

# Adaptation: addressing adversity

Final evaluation of the project "Integrated community-based adaptation in the Mekong Delta Region (ICAM), Vietnam

# Abbreviations

CBA Community-based adaptation  CBCCAG Community-based Climate Char	
CBCCAG Community-based Climate Cha	
	nge Action Grants Program
CCA Climate change adaptation	
CCRD Centre for Rural Communities F	Research and Development
CFSC Committee for Flood and Storm	Control
CVCA Climate Vulnerability and Capac	ity Assessment
DARD Department of Agriculture and	Rural Development
DFAT Department of Foreign Affairs a	nd Trade (Australia)
DPI Department of Planning and Inv	estment
DoNRE Department of Natural Resource	es and the Environment
DRR Disaster risk reduction	
ICAM Integrated Community-Based A	daptation in the Mekong Delta
IPM Integrated pest management	
LECZ Low elevation coastal zone	
NGO Non-Governmental Organisation	n
PAOT Participatory Action-Oriented T	raining
PMB Project Management Board	
PMERL Participatory Monitoring, Evalua	ation, Reflection, and Learning
PPS Probability Proportional to Size	
PSC Project Steering Committee	
SEDP Socio-Economic Development P	lan
ToR Terms of reference	
VND Vietnam Dong	
VNRC Vietnam Red Cross	
VWU Vietnam Women's Union	

#### Adaptation: addressing adversity.

#### Final evaluation of the project "Integrated community-based adaptation in the Mekong Delta region (ICAM)", Vietnam



This report presents the results of an evaluation of the project "Integrated Community-based Adaptation to Climate Change in the Mekong Delta (ICAM)". CARE implemented this project between July 2012 and June 2015 with funding from the Australian Department of Foreign Affairs and Trade (DFAT) under its Community-based Climate Change Action Grants (CBCCAG) program.

The evaluation was carried out by Banyaneer and included visits to eight villages on An Giang and Soc Trang provinces.

#### **Evaluation team**

Patrick Bolte Team leader
Boris Orlowsky Statistical analyst

Nguyễn Thị NhungTranslatorNguyễn Mai HânTranslatorTrần Thị HằngFacilitator

Lê Bá ChungFacilitator/enumeratorTrần Thị Thuỳ LinhFacilitator/note-takerNguyễn Trọng LâmNote-taker/enumerator

Đoàn Văn Hoàng Enumerator Lê Văn Vương Enumerator Pham Ngoc Thắng Enumerator Pham Bá Nhu Enumerator Võ Thanh Duy Enumerator Nguyễn Ngoc Tuấn Enumerator Bùi Thanh Yên Thảo Enumerator Nguyễn Thị Hoàng Anh Enumerator Ngô Thanh Tuyền Enumerator Nguyễn Thị Đức Hiếu Enumerator Enumerator Nguyễn Thị Mai Enumerator Phan Thị Thanh Trúc

## **CARE** support

Josie Huxtable Quality and Impact Advisor

Trần Phan Thái Giang Monitoring and Evaluation Senior Officer

# Executive summary

The project 'Integrated Community-based Adaptation in the Mekong Delta Region (ICAM) was launched in mid-2012 to increase community adaptive capacity and resilience to existing hazards and the impacts of climate change. Three years on, this evaluation finds that the project led to the commitment of government agencies and mass organizations to community-based adaptation, to better inter-agency collaboration and to stronger vertical links and responsiveness.

The evaluation also recognizes that adaptation processes take time for their impact to emerge more fully. The ICAM project contributed to improvements in disaster preparedness, access to finance, and linkages to the government. In terms of advancing climate-resilient livelihoods, it identified and documented several options. The project experience provides a rich set of lessons towards further advancing and enhancing community-based adaptation.

The report begins with an overview of the project as well as the evaluation objectives and design (section A). Tasked to provide both accountability in terms of relevance, effectiveness, efficiency, impact and sustainability as well as to contribute to evidence-based learning, the evaluation was based on a mixed-method approach. Tools included a survey amongst 504 households as well as a range of qualitative tools (community workshops, focus group discussions, in-depth interviews, site visits and transect walks). Field research was carried out in May 2015 and covered eight of the 33 target villages in the target provinces of An Giang and Soc Trang.

This summary contains the key findings, arranged by evaluation criteria. Figure 1 furthermore provides a list of recommendations for future programming in community-based adaptation.

#### Relevance

Community-based adaptation to climate change as promoted by the project is found to be highly relevant. Evaluation results show that large shares of the project's target population are already affected by climate-related hazards, such as storms, floods and droughts.

In Soc Trang, saline intrusion is an increasing concern. The Government of Vietnam recognizes these risks and has devised policies and plans to address them. The ICAM project is found to be closely aligned with these government policies.

- 97% of survey respondents say they have experienced changes in the climate over the past ten years. More than two-thirds (69%) say that hazards have become more damaging over this period.
- 73% anticipate hazard-induced damages and losses in the future.
   44% say that they have taken concrete steps to be better prepared over the past four years. This gap between awareness and action indicates that many lack the capacity to adapt.
- Given increasingly unfavourable conditions, auto-adaptation is already occurring (e.g. migration, more groundwater extraction).
   Guidance to proactive and more effective modes of adaptation is highly relevant.
- In this context, the multi-stakeholder, multi-level planning process created by the ICAM project bears strong potential and has already led to greater bottom-up governance and responsiveness. The role of the project towards strengthening collaboration between government agencies and civil society on climate change-related issues is recognized.

#### Efficiency

The project expenditures per beneficiary household amount to AUD 1,486 (direct beneficiaries) and AUD 116 (indirect). CARE's cost-saving measures are recognized. It is also found that much of the costs in CBA planning should be seen as an investment, with its leverage increasing over time as similar processes are being replicated with government resources.

#### **Effectiveness**

The ICAM project has been successful in capacity-building of partners and in creating a comprehensive planning platform. This lead to the creation of village adaptation plans in all 33 target villages

and their integration into Socio-Economic Development Plans (SEDP) of the associated five communes.

- The role and capacity of the Women's Union (ICAM's key partner) has been strengthened. The dedication of partners to community-based adaptation, better inter-agency collaboration, stronger vertical links and responsiveness is recognized.
- Several design issues and structural challenges however led to below-target outcomes. Time and resources did not fully match the scale and scope of the project that had initially been conceptualized for a five-year implementation frame.
- While some challenges were identified and rectified, others persisted. Insufficient capacity to coach partner staff and a lack of time for village-based implementation stand out. With the latter being treated as dependent on completion of CBA planning, only eighteen months were left to promote climate-resilient livelihoods and disaster risk reduction. This timeframe was too short considering the scope and the capacity constraints mentioned above.
- The project conducted excellent research of options for climateresilient livelihoods. While only some of them could be applied in the local context, they are a valuable resource for similar projects elsewhere.

#### **Impact**

With the late launch of village based adaptation and strong investments in capacity-building of local partners, it is reasonable to assume that the project's impact will only emerge fully in years to come. The fact that the CBA approach has already been replicated in five communes is a strong indication towards that trend. However to date, the negative effects of climate change and local degradation overshadow most project-related gains in the areas of crop cultivation, animal production, food security, water, health and income provide increasing impetus to adapt.

- Positive trends are observed in terms of disaster preparedness, access to finance, community cohesion, and village-government links. These are partially attributed to the ICAM project.
- In terms of more gender-equitable decision-making, the evaluation provides mixed results, with the survey indicating no significant change whilst qualitative data generated through workshops indicate a greater role of women in community-level decision-making (which nonetheless remains strongly dominated by men).
- Overall, there is a slight positive trend in the perceived preparedness of households to manage climate-related risks.
   38% of respondents seeing an improvement attribute this change to the ICAM project.

#### Sustainability

The overall CBA planning process is highly likely to be sustained and replicated, given the strong willingness and capacity gains of local partners to pursue further planning rounds. The outlook is more mixed in terms of climate-resilient livelihoods.

- Interviewed government partners saw strong merit in the improved horizontal and vertical planning modes, and developed strategies to sustain and expand processes of community-based adaptation. This includes resourcing independent of external (donor-based) support.
- Two-thirds (67%) of survey respondents who received training in climate-resilient livelihood (CRL) techniques say they currently apply all or most of them. The majority state they intend to continue the new practices (94%) and are capable to do so with (45%) or without (45%) external support.
- One-third of CRL beneficiaries stopped the application of new techniques as expected benefits did not occur. Further analysis of challenges such as access to markets and gendered value chain analysis is therefore recommended.

Figu	re 1   Overview of recommendations						
No.	Recommendation	Underlying reasons					
Key r	ecommendation A   <b>Re-frame community-base</b>	d adaptation.					
A.1	Integrate natural resource management into the CBA framework.	There are two reasons as to why natural resource management should be integrated into the CBA framework. <i>First</i> , the effects of climate change often interplay with those of unsustainable practices. Both need to be addressed to tackle the combined effects of adversity. Without such integration, there is a risk of mal-adaptation, where adapting to one aspect may exacerbate another. The <i>second</i> reason is that local governments and communities have far greater leverage to actually <i>mitigate</i> local degradation, compared to the effects of climate change. The holistic adaptation is extremely relevant for the Mekong Delta region, which already experiences the combined effects of global and local phenomena.					
A.2	Apply a layered approach to beneficiary support	Climate change impacts on most if not all people in the Mekong Delta - however, the way and the extent it does differs depending on socio-economic and livelihood profiles (amongst other variables). Furthermore, the extent to which people have the ability to adapt varies significantly. When planning external support to adaptation, three simple questions need to be asked: <i>First</i> , who is being affected in what way? <i>Second</i> , who has the knowledge and the resources to adapt on his/her own? <i>Third</i> , how can the gaps in adaptive capacity be filled? Answering these questions should lead to a nuanced or layered approach, through which different groups and strata are supported in nuanced and targeted ways. Opening up to all members of a target community (poor or not) also facilitates wider engagement of all community members in planning and implementation.					
A.3	Support existing adaptive mechanisms.	In many cases, people adapt autonomously - that is, without the inducement by government policy or external advice. Knowledge can be spread and skills built to assist proactive and sustainable ways of adaptation - thereby both preventing or reducing the hardship incurred by reactive adaptation, as well as the damages from maladaptation. One of the common mechanisms of auto-adaptation is migration, where family members seek casual or permanent work elsewhere. This and other forms of auto-adaptation shall be recognized as potentially effective adaptive mechanisms. Support could be provided to prospective and current migrants as well as to family members staying behind. This may include the formation of support groups (both for the migrants themselves and for family members staying behind) and the development of job-seeking skills, and vocational training.					
Key r	ecommendation B   <b>Strengthen the organizatio</b>	nal underpinning.					
B.1	Allow more time and resources for the CBA approach to succeed.	The ICAM project was ambitious; its design and resourcing would have been adequate for the five-year implementation frame that was originally anticipated. A three-year period however proved difficult, given that the project aimed for CBA planning and then (largely dependent) village-level implementation. The incongruence of objectives with time and resources should have been reconciled by either extending resources or by reducing targets. In future programming, it is crucial that a match between ends and means is maintained.					
B.2	Ensure that technical expertise is sufficient to guide climate-resilient livelihoods.	Local technical expertise has to be integrated or built up to the extent that beneficiaries can be sufficiently guided and coached in the application of new techniques. This is particularly needed when beneficiaries endeavour into entirely new livelihood options (rather than amending techniques of livelihoods they are already familiar with).					
B.3	Deploy bigger teams capable to coach.	The success of the indirect (partner-based) implementation approach is dependent on partner capacity. While a strong partner does not automatically lead a strong project results, the inverse is usually true: any capacity constraints of a local partner are constraints for the whole project - and thus need to be addressed. Building up that capacity to the extent that all relevant gaps are filled is pivotal both for implementation effectiveness and for sustainable outcomes. The size and composition of project teams must therefore reflect the ability to train and coach partners, without teams taking over the responsibility of the partners.					
Key r	ecommendation $C \mid \mathbf{Revisit}$ the implementation	mode.					
C.1	Start field-level implementation sooner to boost community engagement.	Broad community engagement is crucial to reinforce community resilience. While the ICAM project engaged a large share of the target population in planning, it could have provided additional avenues of engagement to boost and maintain community interest. This could have included quick-win and no-regret options such as simple disaster preparedness measures. These were eventually carried out, but could have been implemented earlier to achieve a greater effect.					
C.2	Focus on groups (rather than individuals) and use them to spread coverage.	Groups are not just a more efficient way to support beneficiaries than case-by-case assistance. They are also more effective as they enable consolidation through mutual support and learning, and can be a powerful element of the 'transmission belt' that transmits information to and from the project team. While group-based approaches featured strongly in the project's concept, only some groups (PAOT/DRR) proved effective, while others were either weak or non-existent (CRL, micro-finance). The effectiveness of groups can be increased further if used as a tool to spread knowledge across wider communities (as carried out to some extent by PAOT groups).					
C.3	Monitor to manage.	Monitoring is not an end in itself, but a means to an end - that is, to ensure that progress remains aligned with objectives and timeframes. Identifying challenges timely enables swift response and rectification. In the case of the ICAM project, risks were reviewed and challenges identified - however, this did not always lead to the fully-fledged					

response that may have been required. Given this experience, it is not so much the monitoring regime itself but

rather the use of that regime that needs to be given more attention in future programming.

# Table of contents

	٠				٠		

Abbreviations Executive summary	i iii
Introduction	1
SECTION A   BACKGROUND	2
1. Project overview	3
2. Evaluation objectives and approach	5
2.1. Objectives	5
2.2. Approach	5
SECTION B   FINDINGS	7
3. Relevance	8
3.1 The risk context	8
3.2 The policy context	10
3.3 Relevance of ICAM project activities	11
4. Efficiency	12
5. Effectiveness	12
5.1 Effectiveness of project set-up	12
5.2 Level of achievement: outcome 1	14
5.3 Level of achievement: outcome 2 5.4 Level of achievement: outcome 3	15 17
5.4 Level of achievement, outcome 5	17
6. Impact	19
7. Sustainability	21
SECTION C   LEARNING	23
8. Recommendations	24
8.1 Re-framing community-based adaptation	24
8.2 Strengthening the organizational underpinning	27
8.3 Revisiting the implementation mode	29
9. Conclusion	31
APPENDIX	32
A. Literature	33
B. Survey results	34
C. Livelihood analysis charts	44
D. Gender analysis charts	45
E. Trend analysis summary	47
F. Village-level findings	49 61
G. Survey questionnaire	01

## Introduction

#### Cái khó ló cái khôn.

#### Adversity is the mother of wisdom.

[Vietnamese proverb]

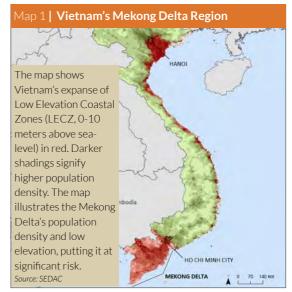
For more than 2,000 years, the Mekong Delta has played a strategic geopolitical role, as its riches have been a vital asset to whoever was in control throughout history. The sediment-fed soils around the mouth of the Mekong enabled populations to grow and prosper. As soon as the fourth century BC, extensive human settlements covered the area. By the first century AD, the Kingdom of Funan had developed an extensive network of canals and ports - the heartland of what became South-East Asia's first great economy.

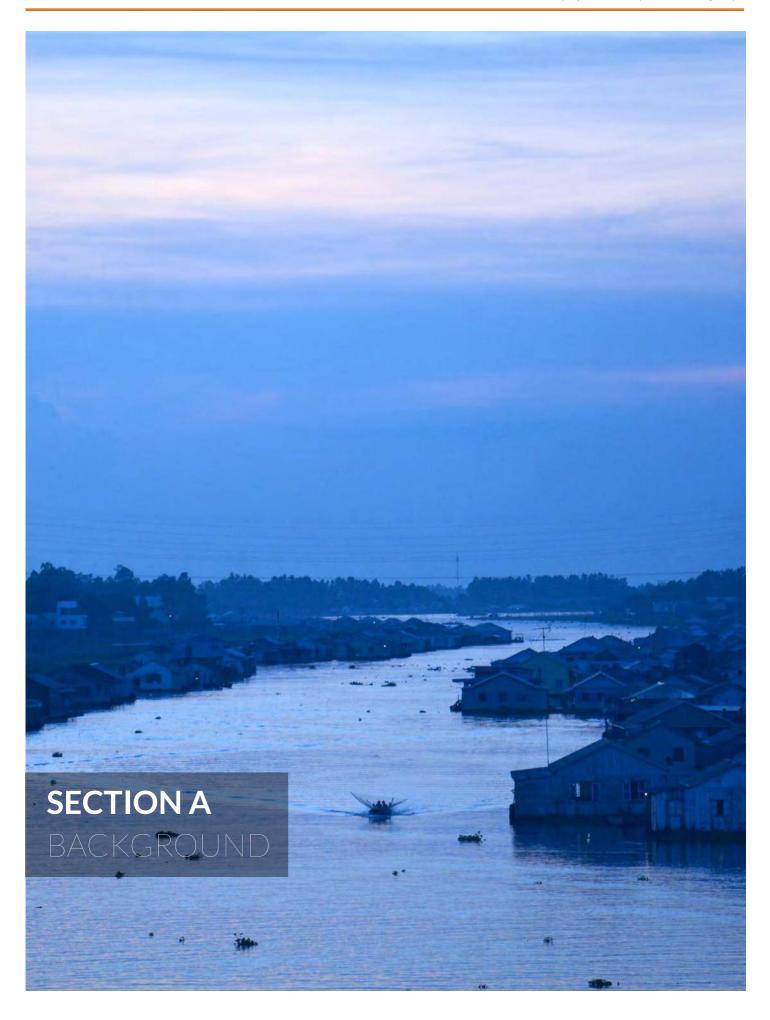
Control over the delta changed throughout history - yet, with its fertile grounds and a large population, the delta always maintained its role as an economic powerhouse. It continues to do so today: more than half of Vietnam's total rice production (2011: 54.8%) is based in the thirteen delta provinces. The delta is also the country's primary fishing region - it has the largest fleet of fishing vessels and a vast capacity in aquacultures, which account for two thirds of fishing output. The role of the Mekong delta to Vietnam is hard to over-stress: it is the country's main 'rice bowl' and its 'fishing net'.

Any adverse effects to this role bear strategic implications for the country as a whole, as well as practical challenges for the delta's 17.2 million people. The government has acknowledged climate change as an essential threat: a sea-level rise of one meter by the year 2100 is likely to permanently inundate entire provinces. Saline intrusion already hampers agricultural production in coastal areas, while hotter weather and greater variability in rainfall (droughts and floods) affect the entire delta. These climate change impacts are compounded by effects from unsustainable local practices as well as the construction of upstream dams.

With much of this overall adversity being inevitable, the need for the delta population to adapt is evident. In mid-2012, CARE launched the "Integrated Community-Based Adaptation" (ICAM) project in an effort to facilitate adaptive planning, reinforce the resilience of supported communities, and contribute to the evidence base that would in turn enable replication of effective adaptation measures.

This report presents the findings of the evaluation of the project, carried out in May 2015. The report is structured in three sections: Section A provides the background of the project and of the evaluation. Section B presents the findings in terms of the project's relevance, effectiveness, efficiency, impact, and sustainability. The final section C draws the lessons from the project, and makes recommendations as to how communitybased adaptation can be sustained and further supported through future programming. The appendix furthermore provides detailed evidence (survey results, village-level findings, and workshop results).





# 1. Project overview

The ICAM project is one of three projects that CARE implemented with funding from the Australian Government's Community-Based Climate Change Action Grants (CBCCAG). Through these three projects¹ CARE and its partners aimed to a) promote climate-resilient livelihoods, b) reduce disaster risk, c) strengthen the capacity of communities as well as local civil society and governments, and d) address the underlying causes of vulnerability. These four elements are part of the framework for community-based adaptation (see fig. 2). CARE was also involved in another project in Vanuatu - led by Oxfam - that shared these objectives.²

The ICAM project featured three outcomes (see fig. 3); it aimed a) to increase the capacity for adaptive planning, b) to reinforce the resilience of target villages, and c) to develop a foundation for upscaling (evidence base and capacity growth).

The ICAM project supported villagers in their adaptation efforts in two different geographical settings - riverine and coastal (see map overleaf). An Phu district in An Giang province borders Cambodia and is about 180 km upstream from the river's mouth. Historically, the area had been mostly marsh and swamp interspersed by arms of the Mekong. Over time, much of the area was made arable through a vast network of drainage and irrigation canals. The combined effects of climate change, upstream development and local degradation are already proving to be substantial stressors for the local population. ICAM focused its support on twelve villages across the three communes of Da Phuoc, Vinh Truong, and Khanh Binh. Meanwhile, Vinh Chau district in Soc Trang province is located on the coastline adjacent to the mouth of the Mekong. Here, the ICAM project targeted 21 villages across the two communes of Vinh Tan and Vinh Phuoc. Saline intrusion as well as increased frequency and intensity of typhoons are key direct concerns related to climate change.

The project was based on an indirect implementation approach: it facilitated a multi-level, multi-stakeholder planning process that was to see enhanced community resilience as a process result. As such, it paid a lot of attention to stakeholder involvement and appropriate project set-up. Led by an overall Project Steering Committee (PSC)<sup>3</sup> and two separate Project Management Boards (PMB)<sup>4</sup> for An Giang and Soc Trang, actual village-level implementation was largely in the hands of the Vietnam Women's Union (VWU), assisted by the CARE project office, the Centre for Rural Communities Research and Development (CCRD), and various government agencies.<sup>5</sup> ICAM provided extensive training to the staff of VWU and other agencies, who then launched a bottom-up process of community-based adaptation. As villagers identified local risks, capacities and needs, the results of this process were shared with higher-level departments and integrated into Socio-Economic Development Plans (SEDP).

Development Plans (SEDP).

Figure 2 | The framework for community-based adaptation

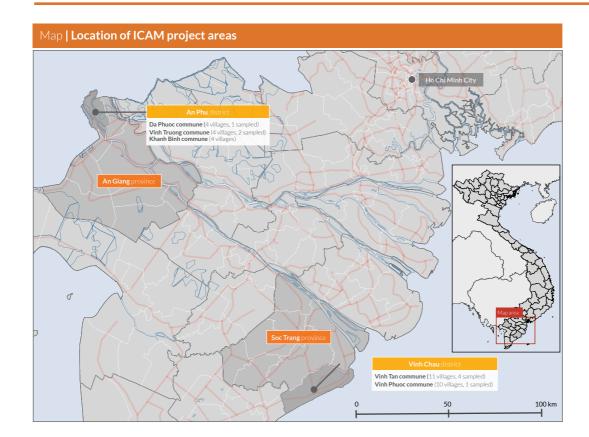
Climate-resilient livelihoods

Enabling environment

Local adaptive and organizational capacity

Addressing underlying causes of vulnerability

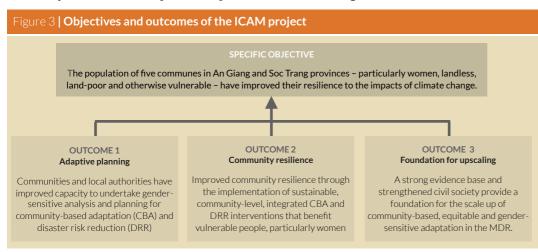
- The three projects are:
  - Papua New Guinea:
     "Community-based adaptation
    to climate change in Nissan
    district" (CBA CC),
  - Timor-Leste: "Climate change in a secure environment" (MAKA'AS),
  - Vietnam: "Integrated community-based adaptation in the Mekong (ICAM).
- Oxfam, lead organization behind the project in Vanuatu, commissioned this evaluation separately. The results will be integrated into the synthesis report that is envisaged as the final product of this consultancy
- The PSC included senior representatives of CARE, the Women's Union, Provincial People's Committees, provincelevel technical departments, and CCRD.
- The two PMBs included the same departments as the PSC, but were confined to individual provinces (either An Giang or Soc Trang) and included district-level counterparts.
- These agencies included the Department of Agriculture and Rural Development (DARD), teh Department of Natural Resources and the Environment (DoNRE), the Committee for Storm and Flood Control (CFSC), and the Department of Planning and Investment (DPI).



In terms of actual village-level implementation, activities included the promotion of climate-resilient livelihoods (CRL) options, the provision of low-interest loans through the VWU, reinforcement of response capacity (training, swimming lessons, life vests), awareness-raising and minor mitigation measures based on adaptation plans.

Monitoring data show that up to 51,672 persons from communities and government agencies benefitted from project activities. In terms of direct beneficiaries, 1,238 households were supported in CRL adoption, while 295 households received loans. These 1,533 households represent 36% of the 4,249 poor households that were the project's primary target group. At the same time, it is also recognized that the enhanced planning capacity may indirectly benefit the entire population of the 33 supported villages (18,876 households).6

In terms of contributing to the evidence base for community-based adaptation, the overall experience of the ICAM project provided numerous lessons for future programming - lessons that will be presented in chapter eight. In addition, the project team explored the suitability of several CRL options for poor and landless villagers.<sup>7</sup>



- 6. The number of beneficiaries from structural DRR investments - such as twelve green dykes and flood gates, as well as four safe shelters for kindergartens would need to be added but was difficult to quantify.
- See "Documentation on testing climate resilience of livelihood options" (draft project document, February 2015).

# 2. Evaluation objectives and approach

It is worth recalling the general two-fold purpose of an evaluation: to deliver accountability to donors by assessing project achievements, and to identify lessons learnt. This identification enables the replication of what went well and the modification of what did not. This chapter discusses the 'what' and the 'how' of the present evaluation: it first looks at the concrete evaluation objectives and then proceeds with a brief look at the applied approach.

## 2.1 Objectives

The evaluation of the ICAM project is part of a multi-project evaluation process to collate and synthesize experiences in community-based adaptation across the Asia-Pacific region. With a focus on both *accountability* and *learning*, CARE Australia commissioned the evaluation of three projects it implemented since 2012 with funding from the Australian Government's Community-Based Climate Change Action Grants (CBCCAG).

The purpose of the evaluation consists of two aspects: first, it was to provide accountability by assessing the projects in terms of their relevance, effectiveness, efficiency, impact, and sustainability (see terms of reference, ToR). This was to include the provision of evidence of project outcomes and impact (intended or not) within the lives of women and men in target communities. Aside from these criteria, the evaluation would need to assess the role of the project towards a) gender equality and women's empowerment, and b) analyze the monitoring and evaluation system used. Second, the evaluation was to facilitate evidence-based learning. Based on the synthesis of project-level findings, the evaluation was to identify and map good practices and success factors as well as barriers and challenges, and make recommendations as to how effective and sustainable adaptation strategies for increased resilience can be further enhanced. In this context, the terms of reference provide a set of key research questions for each of the four CBA framework themes.

Thus tasked to provide a project-specific review as well as to generate insights for the synthesis report and future learning, the evaluation of the ICAM project was planned in two steps: first, an overall inception report was prepared that integrated the ToR key evaluation questions to into a meta-evaluation framework. To facilitate consistent approaches, generic research tools were also devised (see inception report). In a second step, a more specific evaluation plan for the ICAM project was prepared and research tools adapted to take the project-specific factors into account. In particular, the meta-evaluation framework was transformed into project-specific frameworks for accountability and evidence-based learning (see evaluation plan Vietnam).

## 2.2 Approach

Based on a mixed-method design, the evaluation was carried out between May 7th and 23rd and involved visits to eight villages as well as workshops and interviews with the CARE project team and partners in both An Giang and Soc Trang.

Village visits included two parallel streams of activities. First, enumerators<sup>8</sup> conducted survey interviews with poor and non-poor household members<sup>9</sup> (see fig. 3). The survey questionnaire (see appendix G) covered respondents' involvement in the project, risk exposure, climate-resilient practices, disaster risk reduction, gender, sustainability, and a review of the project. Where possible, baseline questions were reiterated to enable a longitudinal comparison. As an additional measure, questions asked about changes and the extent to which these changes were attributable to the ICAM project. Second, five of the eight village visits included a range of qualitative tools, conducted as part of community workshops with randomly selected (poor) villagers.<sup>10</sup> These workshops included:

- 8. Twelve enumerators were recruited and trained for the survey. They used iSurvey, an application installed on the evaluator's iPod touch devices, for data collection. Compared to paper-based questionnaires and manual data digitization, this electronic data collection proved less time-consuming and less error-prone.
- 9. CARE's Monitoring and Evaluation officer meticulously compiled lists of village households (disaggregated by direct beneficiaries, other poor households, and non-poor households) and invited household members sampled by the evaluator to central meeting places thus saving time that would otherwise have been spent on walking from door to door. The distinction between poor and non-poor households is based on the government's definition (formal lists).
- 10. In order to attain a sound survey sample as well as qualitative depth, the enumerator team was split into two on several days. This way, two villages could be covered in one day in terms of the survey. Villages in which community workshops were held are marked with an asterix (\*) in figure 4.

Figure 4   Key survey data											
	Commune	Village			Village data	Sample					
Province, district			HH overall	Poor HH	Percentage poor households	Direct be- neficiaries	Poor HH	Non-poor HH	Total		
An Giang	Da Phuoc	Hà Bao II*	1,126	48	4.3%	18	35	28	63		
	Vinh Truong	V <b>ĩ</b> nh Ngh <b>ĩ</b> a*	1,018	219	21.5%	21	35	28	63		
An Phu		V <b>ĩ</b> nh Bình	1,079	219	20.3%	29	35	28	63		
	Vinh Tan	Tân Nam	441	291	66.0%	22	35	28	63		
Soc Trang		Nô Thum*	390	223	57.2%	22	35	28	63		
Vinh Chau	VIIIII Iaii	Nô Puôl*	809	310	38.3%	18	35	28	63		
VIIII Cilau		Trà Vôn A	298	72	24.2%	12	35	28	63		
	Vin Phuoc	Bi <b>ể</b> n Trên*	497	67	13.5%	35	35	28	63		
	Total					177	280	224	504		

Eight of the the thirty-three project villages were selected based on Probability Proportional to Size (PPS) $^{11}$ , using the number of poor households as sampling frame. In each village, 63 households were sampled that belonged to one of two strata (poor or non-poor). Amongst poor households, preference was given to direct beneficiaries. Where the number of direct beneficiaries was smaller than the poor household sample, the gap was distributed randomly. Selection of non-poor households was random. The confidence level is 95% and the margin of error 5.5% (poor households) and 6.5% (non-poor) respectively. For further information, see the sampling framework.

- Trend analysis to identify changes in living conditions and underlying factors
- Community mapping- to help assess external support and changes in village capacity
- Livelihood analysis to gather data on diversification
- Hazard losses and coping strategy analysis to assess risk and coping mechanisms12

Furthermore, village visits featured focus group discussions with direct beneficiaries as well as Most Significant Change (MSC) interviews and site visits. Given the project's indirect implementation approach and the evaluation's focus on evidence-based learning, the research design also featured inquiry amongst the CARE project team and stakeholders. This included an initial management workshop, interviews with VWU, DARD, Donre and DPI, and a concluding reflection workshop with all partners, at which initial evaluation findings and recommendations were presented and discussed.

### 2.3 Limitations

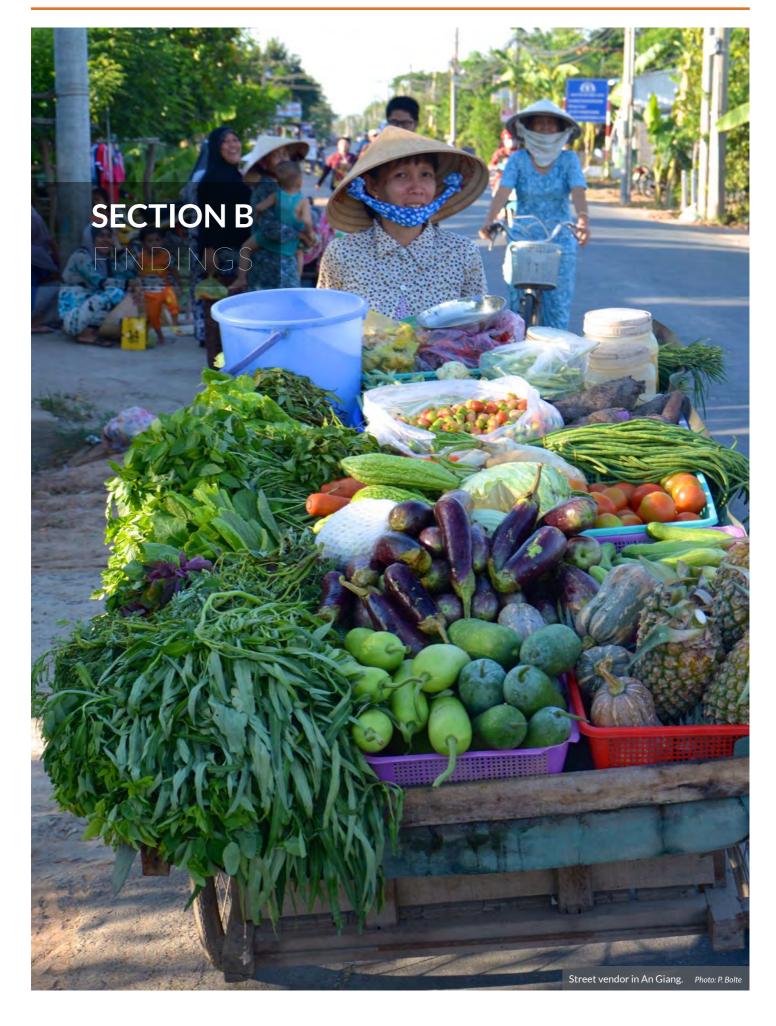
The evaluation progressed smoothly thanks to the excellent preparation on behalf of CARE as well as the professionalism of the entire team - including translator, facilitators, note-takers, and enumerators. However, several limitations need to be kept in mind: project activities were still ongoing by the time of the evaluation. Furthermore, although direct beneficiaries were given preference in sampling of poor households, their number was

smaller than the required sample size overall, direct beneficiaries represent 63.2% of poor household respondents. Thus, the project's impact on direct beneficiaries may be stronger than could be identified by the survey alone. In order to alleviate this shortcoming, survey results were not only disaggregated by poverty status, province and gender, but also by the number of project team visits that had been paid to respondents.<sup>14</sup>

Limited time available for the workshop and interviews with project staff was an additional constraint.

- For a concise description of PPS, see http://www.who.int/tb/advisory\_bodies/ impact\_measurement\_taskforce/meetings/ prevalence\_survey/ psws\_probability\_prop\_size\_bierrenbach.pdf
- **12.** Note that all qualitative tools are described in detail in the Vietnam evaluation plan.
- 13. While villagers were invited to a central location for survey interviews and community workshops, these in-depth interviews provided an opportunity to visit their households and inspect sites of climate-resilient livelihood options (e.g. bio-bedding).
- 14. The frequency of visits by project staff serves as a proxy indicator for intervention dose and is assumed to correlate with the beneficiary status of a respondent.





## 3. Relevance

To what extent has the ICAM project been relevant? This chapter answers this question by looking at exposure and sensitivity to current and future risks (part 3.1), by analyzing the extent to which the project was aligned with government policy (3.2), and by looking at the relevance of the concrete activities pursued by the project (3.3).

#### 3.1 The risk context

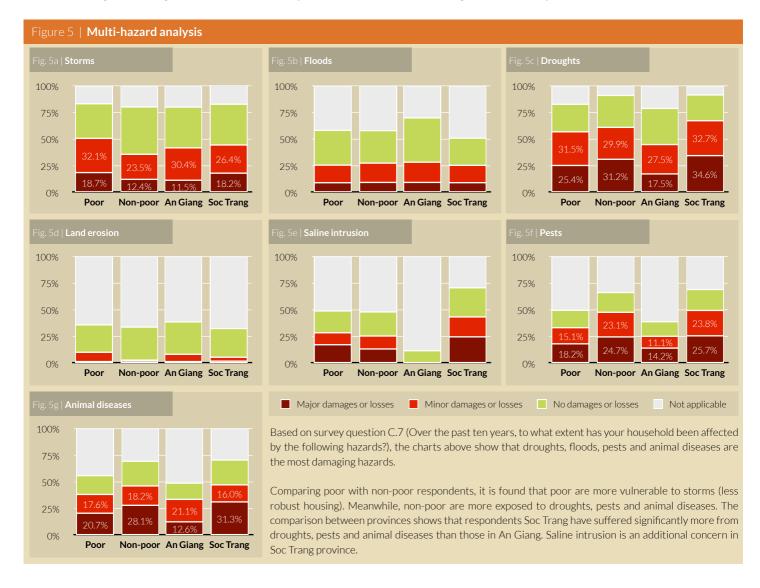
It is beyond doubt that the Mekong delta is already experiencing the effects of climate change, and that it will see greater and more damaging effects in the future. The combination of a dense population, low elevation, and high dependency on natural resources renders the delta extremely exposed and sensitive to climate change. Water plays a particularly crucial role. In the past, people managed water. In future, water is likely to 'manage' people.

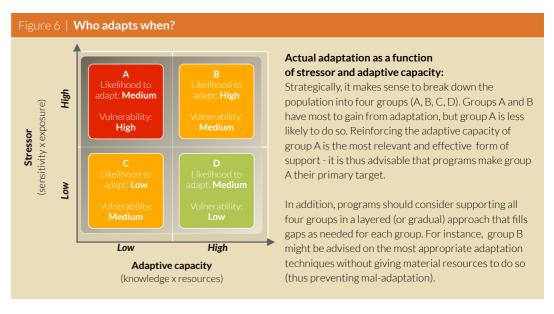
Amongst survey respondents, 96.6% say that they have experienced changes in the climate over the past ten years, such as different times of rain and changes in the temperature. More than two-thirds (68.8%) say that hazards have become more damaging over this period. Figure 5 provides a multi-hazard analysis and shows how households (poor/non-poor, An Giang/Soc Trang) have been affected by the various hazards. Droughts are already

#### Relevance:

"The extent to which the objectives of a development intervention are consistent with beneficiaries' requirements, country needs, global priorities and partners' and donors' policies."

OECD 2010:32





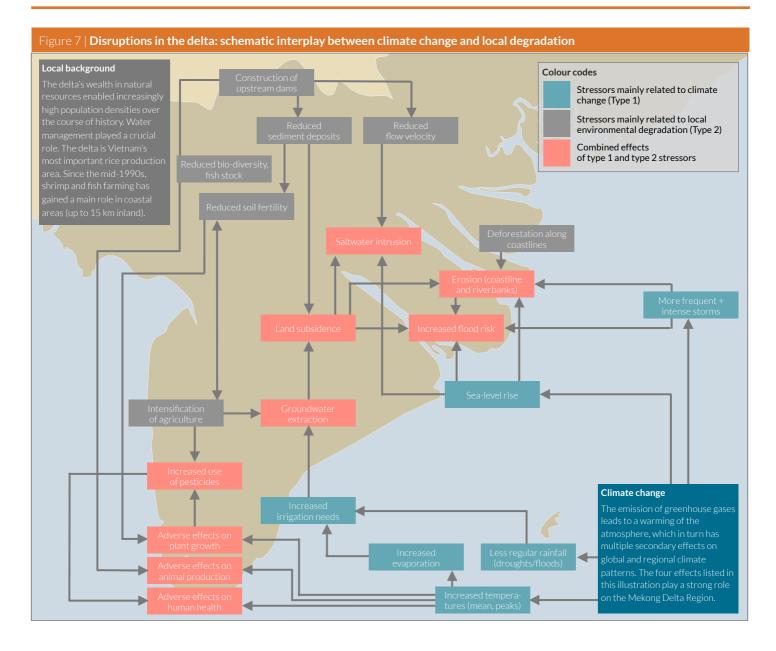
- 15. Such strategies may combine the promotion of more drought-tolerant crops or crop varieties (reducing sensitivity) with livelihood diversification and adoption of non-agricultural income sources (reducing both exposure and sensitivity).
- 16. Shrimp farmers belong to this group: to break into the extremely lucrative but high-risk shrimp business, many farmers sell other assets or take up loans to invest. Yet, shrimp-farming is a difficult enterprise, with shrimps being extremely sensitive to temperature and water conditions. See Sun Pheng Kham et al (2012).
- 17. Likewise, non-poor villagers are more affected by pests and animal diseases they have more to lose than poor and especially landless villagers. Storms are the only hazard that affects poor more than non-poor a finding that is easily explained when considering the rudimental housing of many poor families.
- 18. In several focus group discussions, villagers complained about the high cost for irrigation pumps (diesel) and expressed that only better-off farmers could afford the use of pumps. The same restriction is at play when it comes to the drilling/deepening of wells. Nonetheless, deepening of wells is a common practice. In Vinh Chau, one farmer explained that wells had become ever deeper of the past ten years, now reaching up to 116 meters underground.
- 19. A recent study concludes that if present rates of ground water extraction continue, the Mekong delta will subside by an average of 0.88 m (0.35-1.45m) by 2050. By comparison, this pales (and compounds) the anticipated sealevel rise of 0.1 to 0.3m by the same year. See Erban et al (2014).

seen as the most damaging hazard - having affected more than two-thirds of respondents in Soc Trang, and almost half of those in An Giang. Almost three-quarters (72.6%) anticipate that hazards will cause damage and losses to their households in the future. Yet, this awareness has yet to trigger more concrete action: the shares who have taken actions over the past four years to be better prepared (43.6%) and who plan (further) steps in the future (38.3%) are significant - but the gap between awareness and action indicates that many lack the capacity to adapt.

Supporting capacity in adaptive planning is therefore extremely relevant. In this context, two important aspects are worth considering. First, how can support be most relevant and effective? As illustrated in *figure 6*, it is insightful to think of the Mekong delta population in four groups, with each of them being characterized by a different combination of the strength of a stressor (the extent of adversity that a household experiences) and its capacity to adapt. Households that are exposed and sensitive to climate change and other factors and that have limited resources and knowledge to adapt (group A) are most vulnerable; building their adaptive capacity and reducing their exposure and sensitivity (supporting a move towards group D)<sup>15</sup> is the most effective and relevant strategy; group A should thus be the primary target group of climate change adaptation.

In practice, group A consists mainly of poor and poorly educated farmers with a low degree of livelihood diversification. The ICAM project meanwhile focussed mainly on poor and landless villagers (group C). While poverty reduction is a generally effective broad strategy to raise adaptive capacity, landless farmers tend to be less directly affected by climate change. As many landless villagers receive income from agricultural work (31.7% of poor respondents did so in 2014), their livelihood can be affected more indirectly - for instance, when a drought-afflicted rice farmer can no longer afford casual workers.

The second aspect concerns the question of appropriate adaptation. Given the serious long-term outlook for the Mekong delta, the question is not so much whether, but rather when, how, and how well people will adapt. To a large extent, adaptation will be reactive and autonomous (as is already happening) rather than proactive and policy-driven. Considering the inter-play between effects of climate change and of local environmental degradation illustrated in figure 7, caution is advisable. Autonomous adaptation to drought and greater evaporation often means that farmers simply extract more groundwater to irrigate crops. This comes at an expense (use of pumps, drilling of more or deeper wells)<sup>18</sup> but may be an effective adaptive measure in the eyes of a farmer. Unknowingly, however, such adaptation to one stressor (drought) exacerbates another: land subsidence, which - based on present rates of groundwater extraction - is already a much more potent factor for flood risk than sea-level rise. This example illustrates the need for effective policy responses that take all



causes of adversity into account. For the Mekong delta (as for all other areas), effective adaptation should not single out climate change but address all aspects that bear adverse potential to a sustainable socio-economic basis. The fact that the ICAM project involved multiple government agencies in a multi-level planning process to enable adaptation is commendable and has merit for several reasons (outlined in chapter 5). The potential of this platform for advocacy towards a more holistic policy development is recognized and worth extending and expanding.

## 3.2 The policy context

The Government of Vietnam recognizes the substantial impact that climate change is expected to have on the country, and has devised the National Target Program to Respond to Climate Change (NTP) as an umbrella for a range of action plans and sectoral policies. The NTP includes the identification of appropriate mitigation and adaptation measures, the mainstreaming of climate change issues into socio-economic planning, and the development of action plans for sectors, ministries and sub-national divisions. <sup>20</sup> Both An Giang and Soc Trang provinces devised such provincial action plans in 2012 under the technical management of the respective Departments of Natural Resources and the Environment (DoNRE). The ICAM project was closely aligned with these plans, and the

involvement of multiple departments (DARD, DoNRE, CFSC, DPI<sup>21</sup>) ensured ongoing consistency. In particular, the integration of climate change adaptation into commune and district-level Socio-Economic Development Plans (SEDP) facilitated under the ICAM project organizations was aligned with the province's strategic plans. Staff of departments and organizations found the adaptation to climate change in general and the CBA process in particular to be highly relevant and useful.

## 3.3 Relevance of ICAM project activities

ICAM project activities were carried out in support of either outcome 1 (adaptive planning capacity), outcome 2 (community resilience), or outcome 3 (evidence-based learning). In principle, all outcomes are relevant to the population of the Mekong delta, given the risk context laid out above. The CBA planning process in particular has merit and will be discussed in *chapter 5*. A similarly relevant aspect of the project was the engagement in policy dialogues such as the Southern Climate Change Working Group, strengthening civil society and developing plans and tools for overall climate change adaptation in the Mekong Delta.

But what about the actual activities that were geared to enhance community resilience? Aside from overall adaptive planning, the ICAM project contributed by raising awareness on climate change, by enhancing disaster preparedness and mitigation, and by aiming for climate-resilient livelihoods. Concerning the latter aspect, the project promoted a number of new techniques and supported an existing micro-loan scheme of the Women's Union (and made it more accessible for Cham women).

While the micro-loan scheme was seen as a relevant measure towards poverty reduction<sup>22</sup>, interviewed loan holders said they were not further guided in using these loans to adapt to climate change. In fact, the micro-finance scheme was not in the original ICAM design and only added based on a proposal by the Women's Union, which has a long-standing scheme.

In terms of concrete options for climate-resilient livelihoods, the project explored several options through a detailed livelihood study and follow-up piloting. This led to the promotion of four main options: bio-bedding for chicken, bio-bedding for pigs, indoor mushroom production, and bio-fertilizer production. Further options were used on a smaller scale but proved difficult to upscale due to lacking demand and other factors. All four measures reduce water consumption compared to conventional methods<sup>23</sup>, and are less labour-intensive.

Some problems were encountered with bio-bedding - particularly in An Giang: as the bio-beds generate heat, they were deemed unsuitable by some beneficiaries. Others amended the technique (letting pigs and chicken out on hot days; adding holes to chicken/pig sheds for additional circulation) and found the technique useful.

The measures in disaster risk reduction - construction of flood gates and green dykes as well as safe shelter for child care centers - were found to be very relevant. These were built as a result of the community-based planning and thus based on the input from communities - a rather novel feature in the Vietnamese context.

- 21. DPI was added to the ICAM governance in 2014. Aside from departments, the process also involved the VWU, VNRC and CCRD.
- 22. There is an indirect link (and relevance) in the sense that higher income correlates with greater resilience.
- 23. Bio-bedding requires less frequent cleaning and thus reduced water needs. Indoor mushroom implies less exposure to sunlight, and thus less evaporation and watering. However, the water quantity is dwarfed by the water requirements in crop cultivation.

# 4. Efficiency

To what extent was the ICAM project efficient? To answer this question, let us have a look first at the expenditures and then at the procedures and structures.

Between mid-2012 and June 2015, project expenditures amounted to AUD 2,191,195 - and thus remained well below the allocated budget of AUD 3,007,217. A no-cost extension until the end of 2015 was granted in June. Taking the quantifiable number of direct beneficiary households as a basis, expenditures per beneficiary household amounted to AUD 1,429. However, this in itself does not do the project justice: The figure is much lower when considering the larger number of beneficiaries of structural DRR investments (green dykes, flood gates), and lower still when taking the number of indirect beneficiary households - the population of all target villages as a basis (AUD 116 per household).

The full potential is being realised where project outcomes are being replicated with government resources: already, the government partners have extended coverage to five additional communes that were not directly included in the ICAM project (CARE has an advisory role). The project had cost-saving measures in place and was implemented with a very lean project team. The indirect implementation approach through partners is also recognized as an efficient implementation approach - in spite of the fact that every beneficiary and every staff member of partner organizations received VND 50,000 (AUD 3.00) for every activity they participated in (which is standard practice in Vietnam). The indirect implementation approach has the potential to harness existing relationships and thus quickly gain community trust.

The lean size of the project team may have kept direct staff costs down but is neither seen as the most effective nor the most efficient way to implement, given the needs for coaching and the sheer scale of the project. We will return to this aspect in subsequent chapters.

# 5. Effectiveness

Having presented the findings related to relevance and efficiency, it is time to ask: to what extent was the ICAM project effective? To what extent were its targets achieved? The chapter begins with a look at the project set-up and then analyses the level of target achievement for each of the three outcomes.

## 5.1 Effectiveness of project set-up

Due to multiple design issues, the ICAM project was exposed to several risks. Throughout implementation, these issues were compounded by numerous structural challenges. As a result, the project's level of achievement was slightly below expectations. Let us analyze design issues and structural challenges first before turning to the assessment in terms of key indicators.

Four **design issues** stand out: First, the project was very **ambitious** considering its 30-month (later extended to 36 months) timeframe. It anticipated an indirect implementation approach through partners, as well as a thorough planning process on which actual village-level implementation would be based. But the required capacity-building, and the CBA planning process in particular, was going to take a lot of time, and since village-level implementation was viewed as dependent on preceding steps, there was an inherent risk that any delays would be to the detriment of that village-level implementation.

#### Efficiency:

"A measure of how economically resources/inputs (funds, expertise, time, etc.) are converted to results."

OECD 2010:21

#### **Effectiveness:**

"The extent to which the development intervention's objectives were achieved, or are expected to be achieved, taking into account their relative importance."

OECD 2010:20

Second, the ability to manage risks was seen as too optimistic. The project design appropriately identified key risks (CARE 2012: risk matrix), but anticipated that these could be handled - not fully recognizing the limited leverage CARE would have over these issues (e.g. time commitment of partners and community members).

A related *third* factor concerns the **size of the project team**. Considering (a) the geographical separation between Soc Trang and An Giang, (b) the number of supported communes and villages, (c) the number of partners, (d) known knowledge gaps of the key partner in the most crucial expertise, (e) the overall envisaged complexity of the project, (f) a budget volume of around three million AUD, and (g) an implementation timeframe of only three years, the team size was far from adequate. Not even when considering that village-level implementation was to be in the hands of partners (rather than of CARE's) can a team of seven officers be seen as adequate.

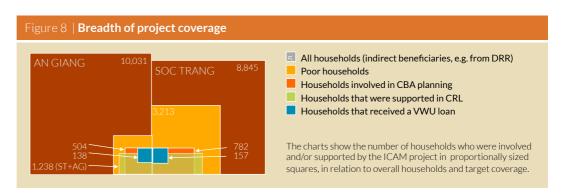
Fourth, the project design suffered from targeting issues. A key issue was the focus on the poor and landless. This limited targeting undermined the project's theory of change and instead marginalised the non-poor villagers (in particular those with agricultural land, who are more directly affected by climate change than landless villagers).<sup>24</sup> The limited targeting was compounded by the fact that out of the several identified potential options for climate-resilient livelihoods, only few proved feasible for wider application and could be considered general agricultural productivity measures rather than climate-resilient adaptation measures (i.e. low-interest loans, bio-bedding for chicken and pigs, indoor mushroom production).

Design issues were amplified by three **structural challenges** that affected the ICAM project throughout implementation. *First*, there were gaps in **technical support**. The selection of a Hanoi-based organization (CCRD) to consult on options for climate-resilient livelihoods meant that support was fragmented and suggested options were not locally appropriate.<sup>25</sup> Within CARE, there was furthermore a gap in management support to the project team: while many challenges were identified and reported by the local project team, team members pointed out that there had been insufficient response and support from CARE's country office.<sup>26</sup>

The *second* structural challenge concerns the **implementation mode**. Although the project design had envisaged the formation of climate-resilient livelihoods (CRL) groups and (later) micro-finance groups, these structures either did not eventuate or were weak in practice. Instead, VWU members dealt with individual beneficiaries - thereby missing opportunities to reinforce mutual support mechanisms. Amongst the small CARE project team, staff were allocated to functions rather than areas, thus necessitating multiple or joint visits to the same village, and binding more of the few resources than would have been needed.

The *third* structural challenge concerns **personnel**: several staff turnovers amongst CARE and partner organizations slowed down the project progress. Interviewees also pointed to initial project leadership driving the exclusive focus on CBA planning over the initial 18 months, which prevented earlier preparation of village-level implementation.<sup>27</sup>

- 24. The impact on the landless is rather indirect, as the ICAM design project correctly identifies: "Typically, the poor and vulnerable have no or little land hence they work as hired labourers and are often laid off when there is adverse weather." (CARE 2012:6) The baseline study finds limited direct climate change impact on poor households' livelihoods and lists 'unstable employment' as the main concern (CARE 2013a:34).
- 25. Aside from the observation that bio-bedding may not be ideal in the hot and humid climate of the Mekong delta (especially in An Giang), many beneficiaries felt not sufficiently supported. Further benefits from bio-bedding were not fully explored.
- 26. This is a result from the management workshop; particularly in the early phase of the project, the project team felt not supported enough after having reported challenges.
- 27. While village-level actions such as road or dam upgrades are indeed dependent on planning outcomes, the reasoning that implementation of CRL activities was similarly dependent is unconvincing.



As a result of the design issues and structural challenges, the project did not reach all of its targets. The limited coverage is one indicator - illustrated in *figure 8*.

Around 1,500 households directly benefitted from the ICAM project. The overall level of engagement between villagers and ICAM project partners was rather sporadic - with less than 5% saying that they discussed any ICAM-related issues with an implementing partner five times or more over the entire project period. Let us have a closer look at the project's level of achievement set against its indicators.<sup>28</sup>

#### 5.2 Level of achievement: outcome 1

The ICAM project was arguably most successful with regard to outcome 1. With much time and effort devoted to capacity-building and CBA planning, the project created a basis whose long-term benefits are likely to emerge fully in years to come (see chapters 6 and 7). Aside from building skills and capacities amongst partners, it also facilitated a change of mindsets towards more collaborative and bottom-up planning.

# Indicator OC 1.1

Number of village/commune adaptation DRR and SEDP plans established

All 33 villages prepared village adaptation plans, and villagers' concerns and plans were integrated into SEDPs of all five communes. Efforts to integrate these plans into district-level SEDPs were ongoing but had yet to succeed at the time of the evaluation.

# Indicator OC 1.2

 $Level\ of\ satisfaction\ of\ local\ people\ with\ participation\ in\ assessment\ and\ planning\ process$ 

Around 1,300 people were involved in local assessments and planning (representing 6.8% of all households). Amongst the survey sample, 46.3% of respondents said they were involved, and almost all of them were satisfied with the process (54.4% very satisfied, 38.0% rather satisfied). Villagers remarked that they appreciated the opportunity to voice concerns and to see them shaping village and commune-level plans. Some villagers in Soc Trang remarked that they had not heard back yet from the government, therefore not yet realizing the benefits of the planning process. This observation indicates that regular updates should be provided to villagers on the progress of commune-level planning.

# Indicator OC 1.3

SEDP/DRR/adaptation plans at sub-national level in the project provinces that incorporate gender concerns and ways to address them

The members of government departments and mass organizations trained and sensitized to gender issues valued this training and found it useful, and interviewed government officers professed that they changed planning towards greater inclusiveness. It is also found that the promoted CRL options and the micro-finance scheme were suitable to enhance the economic concerns of women in particular. The dedication of participating government agencies and mass organizations to community-based adaptation, better interagency collaboration and stronger vertical links and responsiveness are encouraging signs that gender-sensitive CBA processes will be extended and replicated.

# Indicator OC 1.4

Percentage of community members and government actors who improved their knowledge on gender analysis, community-based adaptation, and DRR assessment and planning

Concerning government partners, between 30 and 60 officers were trained in gender mainstreaming, CBA planning, and facilitation skills. Furthermore, 32 staff members took part in training of trainers courses and subsequently trained further officers in the facilitation of CBA processes. While no overall staff figures were available (which would have enabled the calculation of percentages), all interviewed facilitators said they had been sufficiently trained to guide the CBA processes. Given that CBA planning was a new activity, this is an evident improvement in knowledge and practice. It was further observed

#### Outcome 1

Communities and local authorities have improved capacity to undertake gender-sensitive analysis and planning for community-based adaptation (CBA) and disaster risk reduction (DRR) that vertical (e.g. district-commune) and horizontal (inter-departmental) linkages had improved. For some province-level staff members, the CBA process provided the opportunity to hear village conditions and concerns first-hand for the first time.

Regarding community members, 38.1% of survey respondents say they were trained - however, there is no disaggregation available on the type of training they received.

Indicator OC 1.5

SEDP/DRR and other sectoral plans are mainstreaming climate change

Through awareness-raising activities and facilitation of CBA planning processes, the ICAM project ensured that all SEDP and DRR plans at the commune and village levels addressed climate change. Village CBA plans were attached to commune SEDPs and draft texts of SEDP reviewed to ensure that climate change adaptation was appropriately addressed.

### 5.3 Level of achievement: outcome 2

#### Outcome 2

Improved community resilience through the implementation of sustainable, community-level,

Before turning to the assessment of the five selected outcome 2 indicators, a few general points are worth considering. The indicators are not appropriate for measuring the resilience of either the community or the most vulnerable. While indicators OC 2.3 (awareness), OC 2.1 (attitude/behaviour) and OC2.5 (outcomes) could be logically linked, indicators OC 2.2 and 2.4 are rather output than outcome indicators. Furthermore, none of the indicators selected for this review are SMART <sup>29</sup> or have specific targets - thus making it impossible to assess whether an indicator target has been achieved or not.<sup>30</sup>

Indicator Vulnerable people change their attitude and behaviour OC 2.1 to climate, environment and gender due to project activities

Amongst respondents from poor households, 30.2% say they have learned new practices from the project. Amongst them, the majority says they apply all (30.8%) or most (35.9%) of what they have learned. Thus, amongst all poor households, 20.1% have learned from the project and changed behaviours. Amongst those respondents who have learned new techniques but not adopted them, the lack of required resources is the most-cited hurdle.

Indicator Percentage of people who improved their awareness
OC 2.3 of unavoidable impacts of climate change on community and livelihoods.

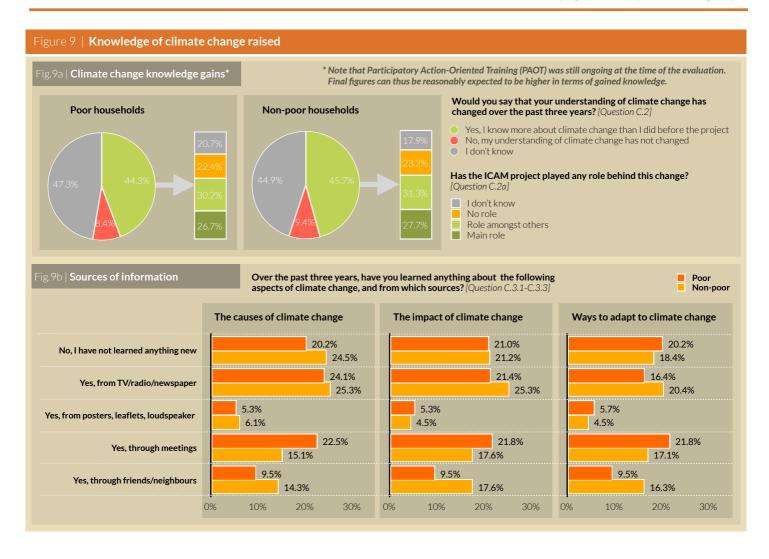
Overall, almost half of all respondents say that their knowledge and understanding of climate change has improved over the past three years (see fig. 9a). Slightly more than one quarter of them attribute these gains 'mainly' to the ICAM project. As figure 9b illustrates, roughly 80% of all respondents have learned something new on the causes, impact and adaptive measures. For poor households, village meetings have been the most important source of knowledge gains.

Indicator OC 2.4

Number of climate-resilient livelihood options made and implemented

The ICAM project explored several climate-resilient livelihood options. In fact, the study that CARE conducted to identify suitable CRL options could be considered as best practice it is well-structured and explores potential options through a set of filters for various target groups (See CARE: 2013). Yet, the follow-on process to that study showed that some options were not suitable due to various factors (e.g. lack of market demand, set-up costs, political sensitivity). For instance, support for migration (seasonal or permanent) was considered as an adaptive option but deemed too politically sensitive. It ended up with four main options: a) bio-bedding for chicken-raising, b) bio-bedding for pig-raising, c) indoor mushroom production, and d) bio-fertilizer production. Other options that were implemented on a smaller scale included chili and sprout bean cultivation as well as small-scale trading and clothes production. These options are well documented, thus principally enabling replication.

- 29. SMART stand for Specific,
  Measurable, Achievable, Relevant,
  and Time-bound when
  developing indicators, they should
  be tested against these five
  criteria. During the preparation of
  this evaluation, it was agreed to
  review project performance based
  on 16 of the 51 indicators.
- **30.** Specific targets were set instead in various annual plans based on discussion with partners.



Indicator Percentage of poorest and vulnerable people (men/women) reporting that they have OC 2.5 adopted/benefitted from climate change adaptive livelihood options (diversity, income)

Whether somebody has adopted a CRL option or benefitted from it are two different aspects - this indicator tries to measure both. Let us have a look at adoption first and then at the benefits. In terms of the CRL options promoted by the ICAM project, the uptake is very small; even amongst the project's main target group of poor households, it stands at less than 10%. The number of crops grown (for those who have land) has not changed (mean number of crop types in 2014 annual cycle for poor 1.14 and 1.5 for non-poor). Crop diversification was not a project objective but is worth assessing nonetheless, given its strong potential towards resilient livelihoods.

Furthermore, the overall livelihood mix has not significantly changed (neither amongst poor nor amongst non-poor households). There are some households who have benefitted from the adoption of CRL options (see case study) - but the number of such households is too small to be reflected in the statistical analysis. Given that the project had only 1.5 years to support climate-resilient livelihood options, and that it needed to pilot-test these options, such a statistically significant change in livelihoods would be unlikely under the best of circumstances.

The project invested in replication through farmer field schools in its final phase - the results of which are not fully reflected in this evaluation. Eleven households said that biobedding for pig-raising had benefitted them - ten other households meanwhile state that bio-bedding was not suitable to the humid and hot climate. Regarding the provision of small loans, 18 households said that the loan had helped them to escape from poverty.

With the percentage of households who have adopted CRL options being low, it is unsurprising that any benefits are difficult to identify through quantitative means. Figure 10 provides the overall change in respondents' livelihood situation. It shows a roughly equal tripartition for all analyzed groups (based on gender, poverty status, and province) between those who say their situation has improved, declined, or stayed the same as in 2012, with the net trend being slightly negative for all groups (those who identify a decline outweigh those who see an improvement).

Asked about the underlying factors, there is an overwhelmingly negative role attributed to weather and market changes. Meanwhile, project-related factors were seen as not applicable for roughly two-thirds (meaning that they have not been involved). Amongst those who took up project-promoted activities, the share of those who say there was no net effect on overall livelihoods outweighs those who see a positive role (see fig. 10d). This applies for both genders, poor and non-poor, and for both provinces. In summary, there was little progress towards increase of income and diversity for either poor or non-poor households.

## Outcome 3

A strong evidence base and strengthened civil society provide a foundation for the scale up of community-based, equitable and gender-sensitive adaptation in the MDR.

#### 5.4 Level of achievement: outcome 3

On the *regional level*, the ICAM project contributed to a strengthening of civil society networking, collaboration and information-sharing in the Delta. In particular, it supported the Southern Climate Change Working Group, led several debates on climate change and DRR, and held regular meetings on the issues of the Mekong Delta to share experiences and collaborate in advocacy efforts. ICAM also worked with other NGOs on joint projects, such as the development of a gender and climate change 'how-to' guide. Finally, the dynamic role of CARE Vietnam at the national level contributed to promoting the role of civil society organisations in climate change adaptation work, also strengthening the partnership dialogues between CSOs and the government on climate change and DRR.

On the *local* level, there was not so much an emergence of local CSOs. However, more than two-thirds of survey respondents say that collective engagement had improved over the past three years. While this is not all attributable to the project, it is reasonable to assume that the collective engagement launched in CBA planning (driven both by communities and government partners) is likely to endure, particularly as more tangible benefits emerge from these processes.

Indicator

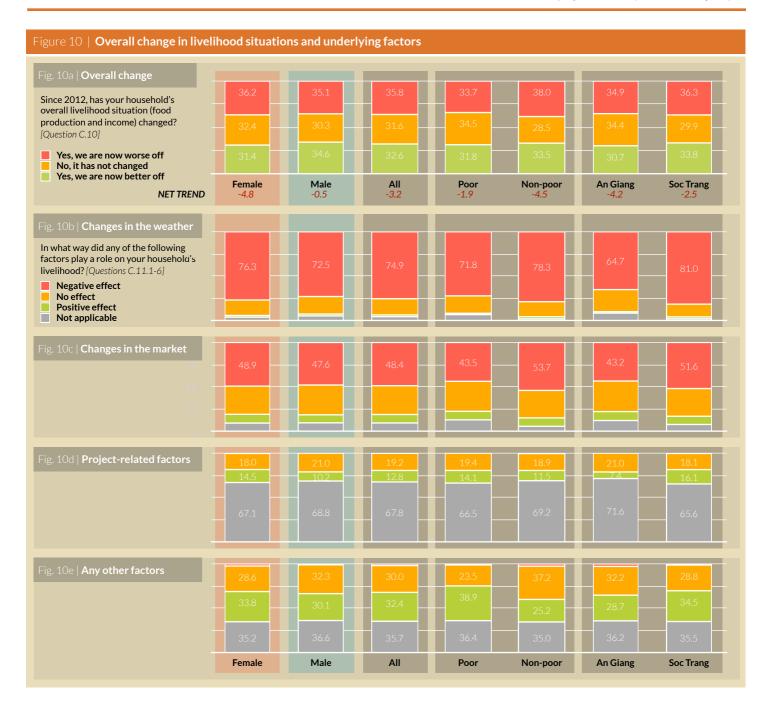
Number of effective and climate-resilient CBA models in the target communities documented.

This indicator does not sufficiently specify what is meant by CBA models. If it refers to the village level plans, all 33 of them are documented. If it refers to CRL models in particular, it is worth highlighting the detailed assessment and documentation of eleven CRL options (CARE 2013). Although most of them could not be used for the project context, the documentation provides a valuable resource for programming in different contexts. The follow-up documentation on piloting CRL covers three options (bio-bedding for chickens, bio-bedding for pigs, and mushroom production; see CARE 2015).

Indicator OC 3.2

Number of community-level social organizations, with high participation of women and vulnerable people, established and operating effectively in target communes.

The ICAM project did not lead to the development of any community-based organizations. While project monitoring data indicate that five existing organizations had been identified for strengthening, no such organization was mentioned during village visits. The project reportedly created CRL and micro-finance groups - however, it emerged during focus group



discussions that the beneficiaries of CRL and micro-finance interventions were supported on a case-by-case basis (being supported individually by Women's Union staff - and that they did not feel being part of any such group.

# Indicator OC 3.3 Number of models that can be replicated.

Out of the piloted CRL options, bio-bedding is seen as the most promising for replication. It is worth further exploring the modifications implemented by beneficiaries in Soc Trang to reduce the additional heat produced by the bio-bed (greater ventilation through amended design of the pig/chicken shed; letting animals out to a shaded and fenced 'courtyard' on days of extreme heat). With regard to indoor mushroom production, interviewed beneficiaries cited a lack of demand - an issue that could be addressed by linking suppliers with buyers. In addition to these two models, it is also worth re-visiting the options that had been assessed in 2013 but were then not applied by the ICAM project - these may be more applicable in different contexts.

# 6. Impact

Impact:

"Positive and negative, primary and secondary long-term effects produced by a development intervention, directly or indirectly, intended or unintended."

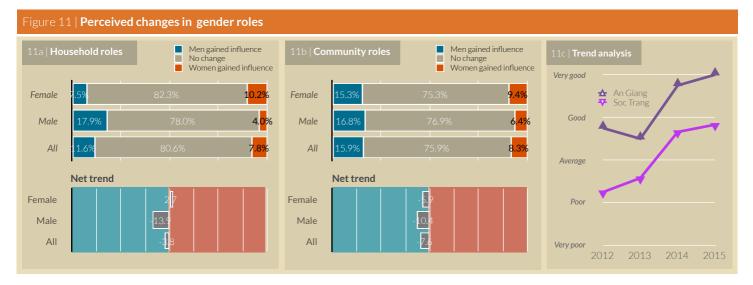
OECD 2010:24

Considering the later than anticipated implementation of village-based adaptation activities and the strong investment in capacity-building of local partners, it is reasonable to assume that the ICAM's impact will only emerge over years to come. The dedication of participating government agencies and mass organizations to community-based adaptation, better inter-agency collaboration and stronger vertical links and responsiveness are encouraging signs that the CBA approach will be extended and replicated, thus generating positive impacts on target villages and households over the long haul. In fact, CBA processes have already been extended to areas not directly supported by the ICAM project.

The groundwork provided through the project represents a good basis for further community-level adaptation. The recent trends described by target communities - through survey, trend analysis and focus group discussion - point towards increasing pressures and thus incentives to adapt. As presented in *figure 10*, the *overall* trend in terms of livelihood is slightly negative, mainly due to climate factors and market conditions. The trend analysis (*see appendix E on p. 47*) also illustrates downward trends in terms of crop cultivation, animal production, food security, water, health, and - to a lesser extent - income. So far, the combined effects of various stressors outweigh project gains in these regards. They do represent a strong impetus for further and accelerated adaptation.

The ICAM project meanwhile had an impact on disaster preparedness, access to finance, and - to a lesser extent - on community cohesion and links to local governments: the positive trends in these regards are partially attributed to the project. With regard to the involvement of women in community affairs, there is a discrepancy between the results of trend analysis and household survey (see figure 11). Trend analysis and focus group discussions indicated that the role of women in community-level decision-making had increased - in part due to the ICAM project. Most group discussions pointed to the Women's Union increasingly inviting women to village-level meetings, and encouraging them to share their concerns. Meanwhile, survey results point towards a slight shift in favour of men - thus suggesting that an emerging pattern in favour of a stronger role of women may thus far be limited mostly to direct project beneficiaries.

Looking into the future, there is more heavy lifting to be done for households and communities to better adapt to multiple stressors, and to become more resilient. Using the CBA planning framework and experience as a basis, this should incorporate at least six elements listed below.





First, it should include further diversification of livelihoods towards reduced sensitivity and exposure to climate risks. There is so far very little diversification - livelihood compositions in 2015 closely mirror those of 2012 (see appendix B).

**Second**, it should include the adoption of more climate-resilient techniques. Less than 10% of either poor or non-poor households have adopted such measures thus far.

*Third*, it should aim for a further increase in the ability of communities and households to prepare for and respond to disasters. There is already net positive trend in perceived household and community disaster preparedness, with one-third attributing these improvements to the ICAM project.<sup>31</sup>

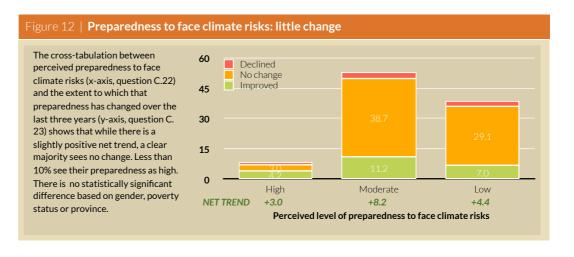
Fourth, it should include enhanced capacity for collective action and adaptive action. More than two-thirds see collective action strengthened, with around 10% of these respondents attributing the improvements to the project. Collective action and - more broadly, social capital - are crucial elements of community resilience (IFRC 2012).

Fifth, it should include further improvements in the links between villages and the government. While this was one of the ICAM's stronger aspects, improvements are perceived to be moderate thus far, with around one-quarter saying that the villagers effectiveness to getting the government to take a desired course of action as 'high'.

Sixth, it should lead to more gender-equitable distribution of decision-making power. As the charts in *appendix D* (see p.45) demonstrate, community affairs in the Mekong delta remain strongly dominated by men.

Overall, it should lead to villagers being better prepared for and adapted to face climate risks. The survey shows that there is a minor net positive trend already (see fig. 12) - out of those seeing improvements, 37.8% of poor and 19.5% of non-poor households attribute this change to the ICAM project. Yet, this means that only 8.0% of poor households see their ability to face climate risks increased mainly because of the ICAM project (4.0% for non-poor households). Even when considering that the survey sample for poor households included just 66.7% of direct beneficiaries, this shows that more improvements are needed.

31. Towards the end of the project, Participatory Action-Oriented Training (PAOT) was conducted. The fact that PAOT elements were mentioned by several villagers indicates that a stronger effect could have been achieved if more time had been available.



# 7. Sustainability

#### Sustainability:

"The continuation of benefits from a development intervention after major development assistance has been completed. The probability of continued long-term benefits. The resilience to risk of the net benefit flows over time."

OECD 2010:36

The sustainability of an intervention largely depends on a strong sense of local ownership local actors' willingness and capacity to continue running or maintaining the intervention's results. Neither willingness nor capacity is a fixed given (see figure 13).

Local actors' **willingness** to continue maintaining outcomes usually is a function of *a*) perceived relevance (did an activity address a community concern?), *b*) the perceived benefit-cost ratio (did an activity generate tangible benefits, how much input is needed to maintain these, and do the benefits justify the inputs?), and *c*) process ownership (did local actors invent, steer, participate, accept or reject the underlying process?).

Similarly, local actors' **capacity** can be broken down to *d*) *funds and inputs* (do beneficiaries have the time and money to sustain the outcome?), *e*) *skills and capabilities* (do they have the required technical skills?), *f*) *structures and routines* (are there solid organizational structures underpinning the outcome?), and *g*) *organizational resilience* (will beneficiaries be able to adapt after a shock such as the death of a local leader?). In addition to the willingness and capacity, the extent of an **enabling environment** also plays a role.

Having described the key components of sustainability, how is the ICAM project judged against them? In answering this question, it is worth distinguishing between the enhanced planning capacity and experience of local partners, and the adoption of climate-resilient livelihoods. Concerning the planning capacity (to conduct CBA processes), it was found that most partners saw climate change adaptation in general and the CBA process in particular as very relevant. Having driven the CBA processes and realizing its benefits, they are willing to sustain and replicate this mode of planning - and presented a strategy for planning ahead. Government staff say that they will 'drive further' even if they will stop receiving the project payments of VND 50,000 (AUD 3.00) for every planning meeting or training they attend. They furthermore saw themselves *capable* to continue driving CBA planning, having



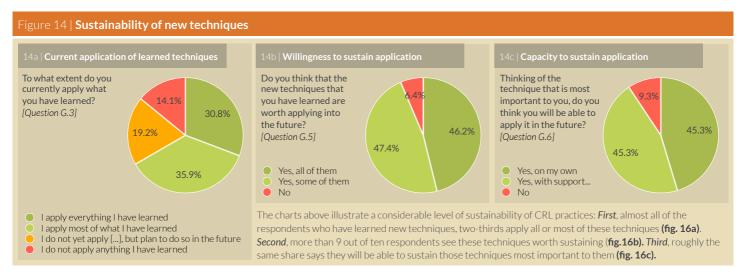


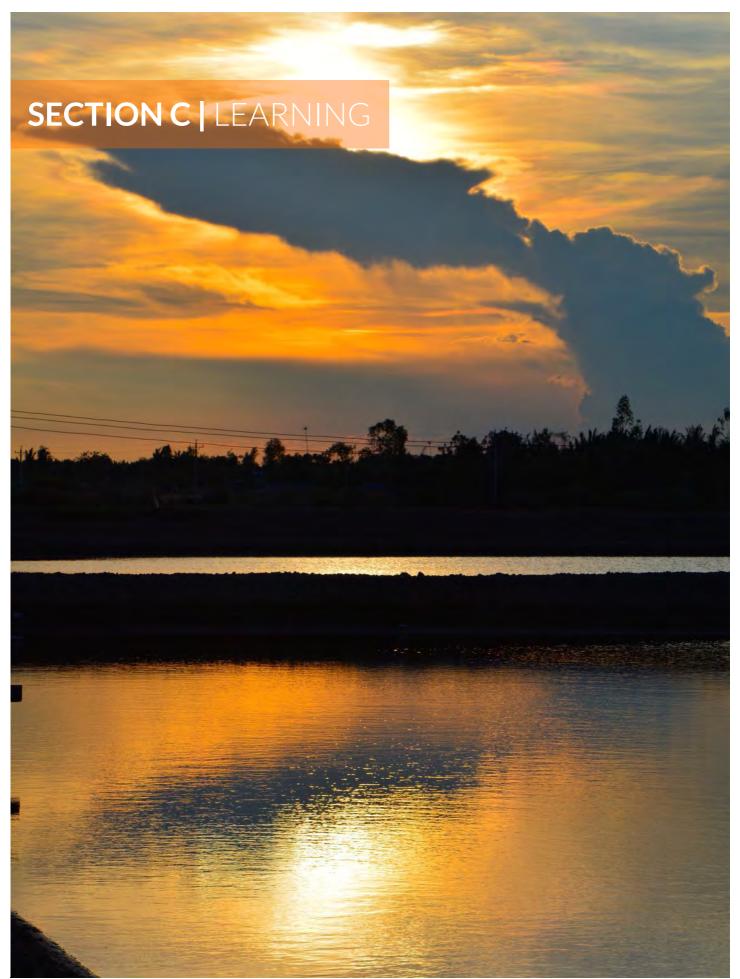
received numerous trainings and gained experience. Several officers pointed out that they would try to expand the CBA approach to all communes and villages in their districts. In fact, the government has already replicated the CBA approach in five new communes with its own resources and CARE being in a technical advisory role.

Overall, the enhanced planning capacity and modus is thus seen as sustainable. Yet, the extent to which CBA planning will be applied further depends on the commitment and leadership of involved agencies - busy schedules and staff turnover may be to the detriment of continued application.

In terms of climate-resilient livelihoods, the outlook is mixed: on the one hand, some beneficiaries who applied CRL options successfully are likely to sustain these practices. Raising chickens and pigs on bio bedding is not difficult for those who already raised chickens and pigs through conventional approaches, but in need of more support to those who never raised these animals before.

Those who do not realize a benefit from new approaches are unlikely to sustain them, and some have already stopped application (see fig.14a). For instance, several households who tried mushroom production stopped production, citing the lack of a market. Some pig farmers have reverted from bio-bedding to conventional practices. More than nine out of ten households who currently apply new techniques however are willing and capable to sustain new practices (see fig. 14b and c). Regarding the micro-finance component, the Women's Union plans to continue its program with external funding.





# 8. Recommendations

In an effort to support the adaptation of vulnerable communities to climate change, CARE and its partners invested considerable time and resources into the ICAM project. While the greater capacity of government agencies and mass organizations in community-based planning is likely to create further impact in years to come, at the time of the evaluation this impact had yet to emerge beyond initial changes in terms of villagers and communities adapting to climate change.

The ICAM experience has the potential to trigger several changes - in the way community-based adaptation is framed, in the way the organizational underpinning is arranged, and in the way support to adaptation is provided. Let us look at these three aspects in detail.

## 8.1 Re-framing community-based adaptation

Everyone adapts all the time. As surrounding conditions change, it is in the human condition to adapt to them - realizing new opportunities or coping with adversity in the process. Vietnam's Mekong Delta region is no exception. As the region experiences economic transformations, the effects of climate change and of environmental degradation, its population will adapt in some way. The question is not so much whether, but rather how and how well people adapt.

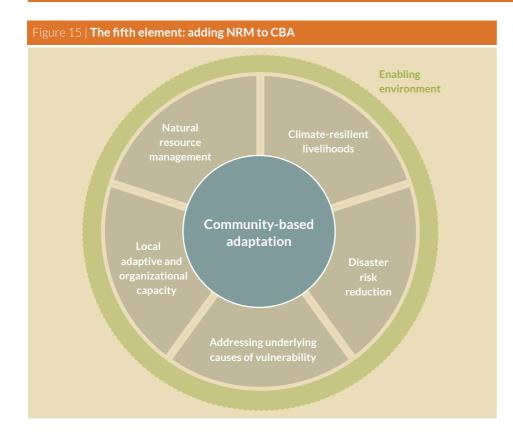
Available resources and knowledge are key to the proactive and effective adaptation that can spare much of the hardship and loss associated with reactive adaptation. It is for this reason that supporting adaptive capacity and processes as envisaged by the CBA framework makes sense. Yet, the framework, and the way it has been applied in the ICAM project, should be amended in three ways: <code>first</code>, natural resource management needs to become an integral element. <code>Second</code>, the focus on the most vulnerable shall to be replaced with a layered approach. <code>Third</code>, external efforts should be based on improving existing mechanisms whenever possible.

## A.1 Integrate natural resources management into community-based adaptation.

Undoubtedly, the Mekong Delta is affected by climate change, and will see stronger adverse effects in the years to come. Community-based adaptation (CBA) geared to raise adaptive capacity and, as a result, resilience, is thus extremely relevant - but must address another factor at the same time: local environmental degradation.

Unsustainable natural resource management in the densely-populated delta contributes adversely to overall socio-economic outcomes - in many cases, there is an interplay between the effects of climate change and of local degradation. Take the increased flood risk, which is a combined effect of sea level rise (around 10 cm by 2050), land subsidence (average 88cm by 2050 at current rates of groundwater extraction) and several other factors. Simply adapting to climate factors (e.g. hotter weather and longer dry spells) may address one factor but exacerbate another. This is already happening: farmers report that they have to use more water from wells to irrigate. With groundwater levels sinking, the wells get drilled to greater depths - in Soc Trang, some wells now go 116 meters below the surface.

At current trends, the outlook for the Mekong Delta is dim: with around a meter of increased flood load, much more drastic adaptation measures will be needed, both structural and non-structural. And even with such decisive measures, it is unlikely that current levels of productivity can be sustained. In turn, this will lead to significant transformations, which have already begun. With increasingly less secure food and water,



and poor economic prospects, people migrate out of the delta, in search for casual or permanent jobs elsewhere.<sup>32</sup>

There is another reason why local degradation needs to be addressed: local governments and communities have far greater leverage to actually *mitigate* local degradation, compared to the effects of climate change.

Several interviewed government officers indeed shared concern over these issues. Indeed, the ICAM project raised these issues, particularly management of water resources in Soc Trang, and also included relevant key messages in the behaviour change communication. The multi-stakeholder platform established though the project is an excellent platform to further promote and develop concerted action on the combined effects of climate change and local environ-mental degradation.

The need to further integrate natural resource management into the CBA framework is particularly evident in the Mekong Delta Region. Such re-framing is not just conceptually convincing, but also based on similar experiences elsewhere (see figure 15).<sup>33</sup> The integration of natural resource management into the CBA framework is geared to enable sustainable and more holistic adaptation and to actually mitigate risks where possible.

#### A.2 Apply a layered approach to beneficiary support.

Those who are conventionally seen as the most vulnerable may not be the same as those who are most vulnerable to climate change. The evaluation of the ICAM project showed that poor and landless villagers may lack the assets and diversity needed to absorb stressors. However, without fields, the impact of climate change is less direct and less intensive as it is on farmers. A farmer, rich or poor, may have as little capacity to adapt as a landless worker when he or she lacks the knowledge of appropriate adaptation techniques.

Arguably, everybody in the Mekong delta is affected by climate change, but to different degrees (see fig. 5). Those who base their livelihoods on agricultural activities are inherently more sensitive and exposed to changing climate patterns than people with non-agricultural incomes. This extends to many poor and landless: as many of the landless villagers, especially in An Giang, generate income from casual labour in paddy fields, they are likely to lose that income if a farmer suffers a crop failure.

There are of course overlaps between adaptation and poverty alleviation (see fig.18). Households who escape poverty have greater resources to adapt. The poverty status also inversely correlates with the level of diversification - as the survey data show, non-poor households have slightly more diversified livelihoods (median: three sources) than poor households (two sources). From that perspective, reducing poverty is an effective way for adaptation.

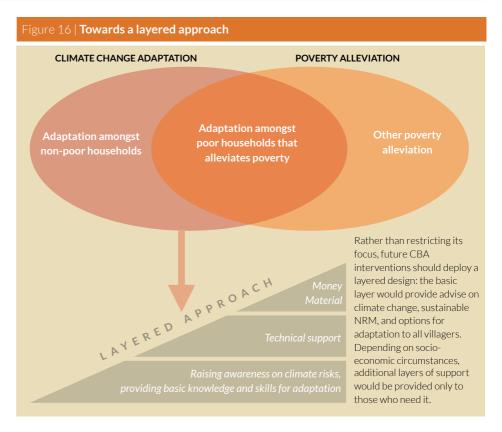
Yet, climate change adaptation projects should deploy a more nuanced and targeted approach. They need to ask three simple questions.

- 32. The Mekong Delta Regions' net migration deficit increased fourfold between 1999 and 2009 and was the highest in the country. Most migrants stayed close to their home provinces, and Ho Chi Minh City was the main destination for migrants. See Renaud/Kuenzer 2012:118-119
- 33. The evaluations of ICAM's sister projects in Papua New Guinea and Timor-Leste include similar observations that call for the integration of NRM into the CBA framework. More generally, it has been found that the distinction between climate change impact and local environmental degradation (and the interplay) is often poorly understood and reflected upon.

First, who is being affected in what way? Second, who has the knowledge and the resources to adapt on his/her own? Third, how can the gaps in adaptive capacity be filled?

The response to these questions leads to a nuanced or layered approach. Conceptually, we proposed four groups that are each characterized by a combination of the strength of the stressor and the strength of adaptive capacity. In reality, the picture is far more complex.

But what this model and the ICAM experience show is that the vulnerability to climate change is not only determined by the poverty status. Therefore, it makes sense to adopt a layered design (see fig. 16) that does not preclude anyone from being assisted instead, the level and type of support is based on the combination of stressor and capacity.



There is another reason why non-poor households should be included: the community. The ICAM project carried the community basis in its name, but focussed its main efforts on part of the community - poor households (DRR being an exception). Although the focus was widened to the 'near-poor' after the mid-term review, this did not principally address the basic criticism: that members of the entire community should design and carry adaptation. While CBA planning as well as PAOT was based on the wider community, there are several proven ways to broaden community engagement further, such as the formation of neighbourhood, gender, or livelihood groups.

#### A.3 Support existing adaptive mechanisms.

Neither the government nor other organizations can fully control adaptation. However, knowledge can be spread and skills built to assist proactive and sustainable ways of adaptation - thereby both preventing or reducing the hardship incurred by reactive adaptation, as well as the damages from mal-adaptation.

One of the common mechanisms of auto-adaptation is migration, where all or some family members seek casual or permanent work elsewhere. This mode of adaptation was considered by the ICAM project, but deemed too politically sensitive for further exploration.

It is understood that migration is seen with negative connotations, or even as a sign of failed adaptation. This view is not peculiar to Vietnam, yet it appears unjustified, as a paper on migration and climate change (see Tacoli 2009:514-15) demonstrates. Rather than turning a blind eye on migration, governments and external partners should support migration as an effective way of adaptation. Given its dim outlook over the next decades, such a policy shift is particularly relevant for the Mekong Delta.

Support could be provided for prospective and current migrants as well as to those left behind. It may include the formation of support groups (both for the migrants themselves and for those staying behind) and the development of job-seeking skills, and vocational training.<sup>34</sup>

**<sup>34.</sup>** As it emerged in an interview with a government official in Soc Trang, vocational training was indeed amongst the common requests of villagers during CBA planning sessions.

## 8.2 Strengthening the organizational underpinning

The second main lesson from the ICAM experience concerns the organizational structure needed to facilitate community-based adaptation. The ICAM project was an ambitious and principally commendable undertaking to both build processes and generate outcomes. Yet, the results indicate that the organizational underpinning must be reflective of that scope. One needs the right amount of mechanics and time if the dual goals are to build a vehicle that is to reach a destination. Building on that metaphor, the project had not enough mechanics, time, and was working on the roadmap at the same time. Future projects should either limit their ambition or ensure that time, partners and resources are more appropriate for the task ahead.

#### B.1 Allow more time and resources for the CBA approach to succeed.

Four reasons are paramount when considering the merit of the CBA approach pursued by the ICAM project: First, it facilitates government responsiveness and informed decision-making, as mid-level administration staff (province, district) see local conditions and concerns first-hand. Second, it encourages horizontal collaboration between departments - a sound basis for concerted adaptation efforts.

Third, it has the potential to increase the leverage of donor funds, in that it triggers cofunding for planned activities. Fourth, the approach favours sustainability: the level of engagement and built-up capacity for planning brings about an enabling environment for communities - a crucial element of community resilience and the sustainability of commune- and village-level outcomes.

Yet, the approach requires time *as well as* adequate resources. In the case of the ICAM project, it took 18 months to translate local concerns into agreed plans. This included an initial planning round as well as an update/revision round. The project showcased two cycles of planning, and integration into SEDP and other plans, as well as replication of the process in five new communes. With fixed government schedules for SEDP revision and the time constraints amongst staff of partners (who have many other tasks and thus cannot commit 100% of their time to CBA planning), there is a speed limit. Eighteen months for training and basic planning appears to be a realistic timeframe in the Vietnamese context. Any downward implementation (actually driving the car that has been constructed) will thus require additional time. The originally anticipated extension by another 30-month phase would have enabled greater field-level results. At least in the Vietnamese context, an overall timeframe of five years seems more realistic for a CBA project.

### B.2 Ensure that technical expertise is sufficient to guide climate-resilient practices.

Commendably, the ICAM project explored several climate-resilient practices suitable for landless and poor households. While this process was guided by CCRD, the level of guidance to beneficiaries varied, and proved insufficient in several cases. The full range of benefits from promoted and additional activities could have been explored more comprehensively, building on the excellent livelihood study that CARE had conducted. The technical support gaps also contributed to several failures (where chickens died, or mushroom production failed to create benefits).

If the technical expertise amongst CARE and partners is deemed insufficient, external expertise should be sought from qualified institutions who are familiar with local conditions and who can easily provide regular support and coaching. This will be required in particular for higher-risk adaptation, where households not only adapt the technique of existing livelihoods, but venture out to entirely new livelihoods.

### B.3 Deploy bigger teams who are capable to coach.

Strategically, CARE is a firm promoter of indirect implementation: rather than directly supporting beneficiaries, it programs through local partners to enable sustainable outcomes - unsurprisingly, sustainability is one of the key successes of the ICAM project.

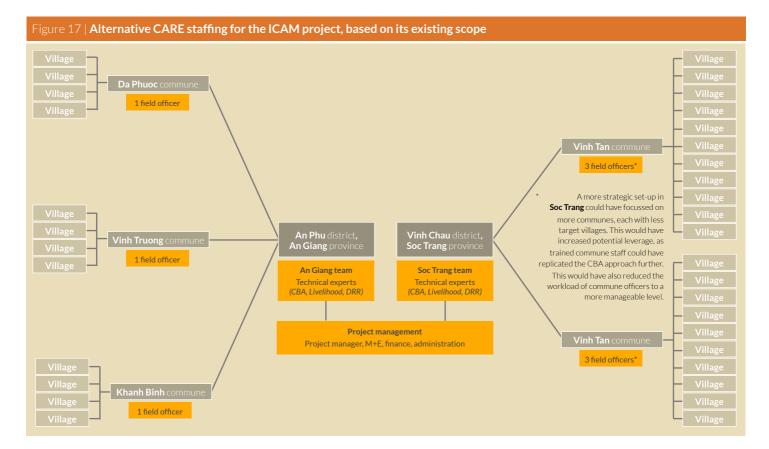
However, the modus operandi may need to be fine-tuned for every specific context: what does it take to enable local intermediaries? Is it enough to provide training courses, or is longer-term coaching more appropriate? The answer will always depend on the capacity of individual actors. Yet, it is undisputed that reiterative practice of a newly acquired skill helps consolidate and refine that skill. In the context of the ICAM project, both training and coaching was required - particularly when considering the extent to which many aspects such as climate-resilient livelihoods and community facilitation were new to main implementing partners.

CARE's project team consisted of a project manager, an M+E officer, a finance and an administration officer, plus four sectoral officers (one for CBA, two for livelihoods, one for DRR) and an international and a national advisor.

Given the geographical spread over 33 villages in two separate provinces, the number of partners and the known knowledge gaps, as well as the multi-faceted design of the project, the size and set-up of CARE's project team was rather minimalist. This small team size constrained the ICAM project's ability to deliver the extent of coaching that may have been ideal. In addition, the team members' job descriptions were based on sectors rather than geographical areas. This meant that the same village would be visited by two officers in short succession (or at the same time).<sup>35</sup>

Amongst the poor households who have been in touch with CARE or any of the ICAM partners, the average number of visits they received is 2.5 over the entire project period. Even if this figure was doubled - accounting for the fact that the survey sample amongst poor households included one third of non-beneficiaries - this amounts to a considerably low intervention dose. With government partners having other duties outside the ICAM project, there would have been two possible solutions: either the number of villages would have been reduced to a more manageable level. Alternatively, the government and VWU staff would have required a temporary surge of support in the form of more CARE officers. Taking the scope and objectives of the ICAM project as a basis, the team size would have needed to be at least twice as big. As suggested in *figure 17*, an appropriately sized team

35. Whereas sector-based staffing implies that two staff members would visit the same community to work on issues around their respective expertise, location-based staffing would bring the benefit that two communities can be visited in the same time, with each of them covering both sectoral aspects.



would have had a core team with available technical expertise in both provinces, as well as field officers for every three to four villages.

While worries about sustainability and ownership under such a model are legitimate, the risk of a lower sense of ownership can be reduced by clearly defining the roles of field officers as supportive to existing commune staff, and by thus preventing them taking over the role and responsibility of village engagement. Where field officers are not accepted, the number of supported villages per commune needs to be reduced. Either way, the balance of priorities (process ownership versus outcome level) will require fine-tuning. In future CBA programming, the size and set-up of the project team needs much more serious and realistic consideration.

#### 8.3 Revisiting the implementation mode

The third key lesson that can be drawn from the ICAM experience concerns the implementation mode. Sequencing, targeting and the role of monitoring need to be reviewed to render community-based adaptation more effective in the future.

#### C.1 Start field implementation sooner to boost community engagement.

The ICAM project treated all actual village-level implementation as dependent on CBA planning outcomes. In principle, it of course makes sense to plan before you implement. But given the time required for this planning process in the Vietnamese context, the start-up phase is rather long to maintain community interest. While thorough planning may be required for mitigation measures or fully-fledged training initiatives, there is furthermore no obvious reason why quick-win efforts, geared to mobilize and maintain community interest, need to wait until the final SEDP is approved.

Early activities could have included quick-win/no-regret options to boost community interest early on. Basic awareness-raising on climate change, coupled with basic enablers such disaster risk reduction measures, should have been launched in the project's first year. With households thus realizing relevance and potential benefits of the project early on, a broader and more solid foundation for the community-based adaptation process could have been achieved.

#### C.2 Focus on groups (instead of individuals) and use them to spread coverage.

Groups are not just an important part of the 'transmission belt', through which information is carried between project management and beneficiaries. They also enable mutual support and reinforcement of newly learned practices. While implementation through groups is preferable to individual-based approaches, this advantage can be further amplified if the groups are not just targets, but also become vehicles through which climate-resilient practices can be promoted throughout the community.

The ICAM project concept had envisaged the formation of climate-resilient livelihoods (CRL) groups and (later) micro-finance groups. However, these structures were rather weak in practice, as support to beneficiaries was largely based on Women's Union staff meeting villagers one by one, rather than providing support to a group.

With regard to PAOT and DRR, the group-based approach was found to be much stronger by comparison.



Vuong To Phuong (pictured) lives in Bien Tren village in Soc Trang's Vinh Phau district with her husband and her two children, 10 and 12 years old. Her husband is a construction worker, making a modest income. The family has been classified by the government as poor.

Ms Vuong was interested when she heard from the Women's Union about the pig-raising on bio-bedding. She had tried raising pigs five years earlier, but was unsuccessful as pigs were affected by various animal diseases - eventually, she gave up the activity and focussed on small-scale vegetable production instead.

The bio-bedding technique sounded promising, and she was willing to give it a try. Supported by the Women's Union (and the ICAM project), she constructed a pig house together with her husband.

By the time of the evaluation in May 2015, she had already raised and sold nine pigs. In three rounds, she bought young piglets for VND 1.1 million each and sold them three months later for VND 4.4 million. Deducting her expenses for food and vaccines, she earned around VND 19.2 million (AUD 1,200) within one year.

She is impressed with the bio-bedding technique: "The pigs are clean, and so far I have not had any problems with any diseases like I used to", says Ms Vuong, adding that the technique required less work than the conventional approach. Ms Vuong already invested some of the additional income: with her husband, she prepared a fish pond at the back of her house, anticipating further income in the years to come.

#### C.3 Monitor to manage.

Monitoring project progress is of little value unless the obtained information is being used. Monitoring is not an end in itself, but a means to an end. In the case of the ICAM project, progress and activities were monitored in great detail. In fact, many of the challenges were well-documented. Partially as a result, some changes were carried out - such as the expansion of the project focus to the 'near-poor', and personnel changes.

Yet, despite the efforts of the project team, there was neither a sufficiently systemic response nor a continuous use of monitoring data to manage these challenges. In particular during the early phase of the project, team members felt that identified concerns were not met by an adequate response from either CARE Vietnam or CARE Australia.

The lesson from the ICAM project is not so much that the monitoring system itself would need to be improved (although there is room for improvement, see chapter 5), but rather the use of that system. While the ICAM risk matrix was updated every six months, its potential to identify and address challenges could have been tapped more fully. Future projects should thus make thorough and regular updates of risks and responses a higher priority to ensure that implementation progresses in spite of identified challenges.

## 9. Conclusion

The ICAM project was an ambitious undertaking to plan and assist adaptation to climate change in the Mekong Delta. With multiple stressors impacting on the delta's population, its objective of reinforcing resilience remains highly relevant. The fundamental approach of community-based adaptation planning has strong merit, and the capacity-building of involved partner organizations as well as the experience they have gained is seen as a promising precursor for achieving greater impact in years to come.

At the same time, this evaluation also found that several design issues and structural challenges led the ICAM project to not fully develop its potential. Given that it was to facilitate *processes* and to generate field-level *outcomes*, as well as its scope and its complexity, the project was not ideally resourced and structured in terms of staff and technical support. The restrained focus on poor and landless households is seen with particular concern - community resilience requires broader engagement, while support to adaptation shall not bypass anyone affected by climate change. Several structural challenges compounded the design issues. As a result, the anticipated coverage (in terms of households) was not reached.

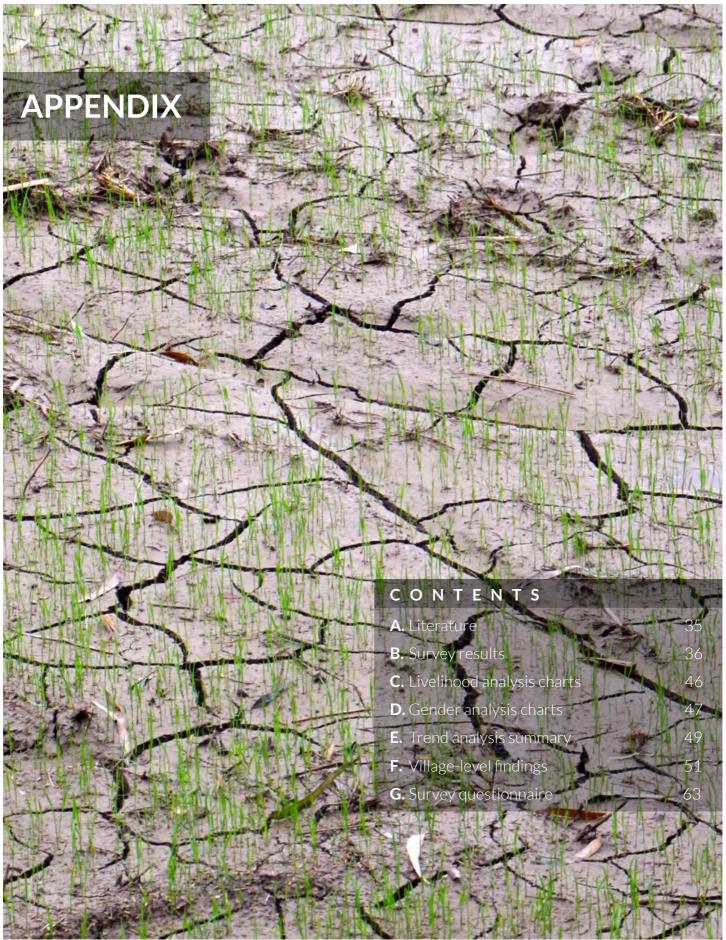
These results should not discourage further efforts in community-based adaptation, but rather encourage change and improvements. CARE and its partners have the opportunity to turn the project's challenges into future strengths. To facilitate this process, the report makes three key recommendations.

Re-framing community-based adaptation includes the integration of natural resource management into the CBA framework, the adoption of a layered design that fills adaptive capacity gaps (knowledge and/or resources) amongst the broader community, and the recognition of and support for existing adaptive measures, particularly of migration.

Strengthening the organizational underpinning concerns the allocation of more adequate time and resources to similar projects. The selection of key partners, the required technical expertise, and the preparation of a team that has the capacity to coach are aspects that will need to be addressed.

Re-visiting the implementation mode includes the initial boosting of community engagement through early quick-win/no regret activities, a stronger practical use of groups (rather than individuals), and a better utilization of monitoring regimes to manage challenges more timely.

As the combined impacts of climate change and environmental degradation are expected accelerate, the need to adapt will not abate. CARE and its partners should build on the foundation they have shaped through the ICAM project. With an enhanced frame, structure, and mode, the ICAM partners will be in a good position to better assist households and communities becoming more resilient.



## A. Literature

- **CARE** (2012): ICAM: Integrated Community-based Adaptation in the Mekong. CARE Australia's Project Design for AusAID's Community-based Climate Change Action Grants. South-East Asia (Adaptation): Vietnam. Re-submitted 31 July 2012.
- **CARE** (2013): Action Research on Climate-Resilient Livelihoods for Land-poor and Land-less People. Abbreviated version, September 2013. Integrated Community-based Adaptation in the Mekong Delta (ICAM).
- **CARE** (2015): Documentation on Testing Climate Resilience of Livelihood Options. Draft version, February 2015. Integrated Community-based Adaptation in the Mekong Delta (ICAM).
- **Erban**, L.E., S.M Gorelick and H. A Zebker (2014): Groundwater extraction, land subsidence, and sea-level rise in the Mekong Delta, Vietnam; in: *Environmental Research Letters* 9; IOP Publishing.
- **IFAD** (2014): **Comprehensive environment and climate change assessment in Viet Nam**. Rome: International Fund for Agricultural Development.
- IFRC (2013): Of networks, norms, and trust. The role of social capital in reinforcing community resilience. Geneva: IFRC.
- Le Thi Viet Hoa, Nguyen Huu Nhan, Wolanski, E, Tran Thanh Cong, Haruyama S. (2007): The combined impact on the flooding in Vietnam's Mekong River delta of local man-made structures, sea level rise, and dams upstream in the river catchment; in: Estuarine, Coastal and Shelf Science 71: 110-116.
- **MARD** (2010): Climate Change in the Mekong Delta. Climate scenarios, sea level rise, other effects. Final draft. Vietnam-Netherlands Mekong Delta Masterplan project. Hanoi: MARD.
- Renaud, F and C. Kuenzer (2012): The Mekong Delta System: Interdisciplinary analysis of a River Delta. Dordrecht: Springer.
- **Tacoli**, C. (2009): Crisis or adaptation? Migration and climate change in a context of high mobility; in: *Environment & Urbanization*, Vol 21(2): 513-525.

Key to question col	lour codes		
Situation	u u	Attribution	P
Change		Multi-select	ä



Part		EVALUATION CAM BROIECT   VIETNAM		٩	All respondents	nts			Disaggrega	tion based	d on A.6	Disa	gregation b	y province	(0.2)			Disag	Disaggregation b	based on B.6	9		
Column   C	Column   C	באברים וכיווים וכיווים והיווים וויים									Von-poor	An Gia.	ng (1,2,3)	Soc Trang	4,5,6,7,8)	5 or more	times	3-4 time	s	1-2 times		Not at	=
Part	No. 10.0000000000000000000000000000000000	Ē				%		20		4	Ъ %	4	%	T.	%	Ľ.	%	ч	%	ł.	%	ų.	%
	State   Stat		ŀ	H														t	ł	t	ł	H	
			4	H	4		4		4		4	4		4		4		4	H	4		4	
Market represented frequency of the control of the	Market Respond Publication Market Respond Public	Average	4.53		4.54		4.53		4.45	4	62	4.41		4.6		4.78		4.48		4.64		4.41	
10   10   10   10   10   10   10   10	1.   1.   1.   1.   1.   1.   1.   1.	1 Female		8.99		10.05		28.21						91	28.8		21.74	17	29.31	33	28.21	57	27.01
Column	Column	7		1.01		56.65		71.79						577	71.7	18	78.26	41	70.69	\$	11.79	154	72.99
Column   C		-		0.82		13.92	181	35.7			Н			25	7.91	9	26.09	14	24.14	35	29.91	83	39.34
Charles   Char	Company   Comp	2 Khmer		5.03	L	12.33	255	50.3						251	79.43	11	47.83	35	60.34	75	54.7	101	47.87
1.2.   1.2.	1.       1.       1.       1.       1.	3 Chinese		8.81		5.82	39	7.69						39	12.34	5	21.74	9	10.34	9	5.13	14	6.64
The control of the co	11 State 1	4 Cham		5.35		7.41	31	6.11					16.2	0	0	1	4.35	3	5.17	12	10.26	12	5.69
The state of the s	The control of the co	5 Other	0	0		0.53	1	0.2						1	0.32	0	0	0	0	0	0	1	0.47
1. State   S																							
The control of the co	Control cont	1 18 – 25 years		2.2		1.06		1.78						6	2.85	0	0	2	3.45	4	3.42	33	1.42
Sequence of the control of the contr	State   Stat	2 26 – 40 years		2.39		29.63		31.36						110	34.81	12	52.17	23	39.66	40	34.19	57	27.01
Special configuration of configuration o	Secretary confirmations of the confirmation of	3 41 – 55 years		9.62		35.98		38.26						115	36.39	3	13.04	17	29.31	48	41.03	98	40.76
		4		5.79		33.33	145	58.6			- 1			82	25.95	∞	34.78	16	27.59	22	21.37	65	30.81
No.   Control Contro	Fig. 19 Fig. 1																					1	
The part of the pa		1 Poor (officially registered, with book)		1.57		51.85		51.68						166	52.53	12	52.17	36	62.07	29	52.99	102	48.34
Markey by the party of the part	Mary 1971, Annual value between first proportion of the control of	7		8.43		18.15		18.32	0					150	47.47	11	47.83	22	37.93	55	47.01	109	51.66
	No.															1				i			
Particular control con	The control of the clock proper implication by th	1 Poor (officially registered, with book)		3.21		56.61		50.75						207	65.51	17	73.91	38	65.52	80/ 50	66.67	117	55.45
No. Control		2 Non-poor	ı	6.79		43.39		39.25			ı		1	109	34.49	9	56.09	20	34.48	39	33.33	94	44.55
The control of the co	Mary conditions and the proportion of the properties of the proper																	i	ł	i	ł	i	
No.	The state of the s	1	nen's Union and	CARE																10,		i	
No. 19 No	No. 1969, we share the propertied of a received of the Month of State of St	1 Yes		3.46		49.74		52.07						163	51.58	23	100	26	96.55	102	87.18	7.1	33.65
Sequence of the proportion of	Figure 1. The contribution of the contribution	7	148 4	6.54		50.26		47.93						153	48.42	0	0	7	3.45	15	12.82	140	96.35
Column   C	1	7	122 A	3 64		12 33		20.00						140	26.26	31	22 03	67	74.47	25	56.03	63	25 34
Contribution   Cont		2 No	177	3.01		25.53		06.60						162	52.64	2	20.43	47	74.14 25.86	2 6	70.02	157	27.75
Account to the part trencher of a climate residing lawly contained and training law of the part trencher of planning process?  127 72.72	Averyon, or is any prencher of your boundariest legistation for all court boundariest which the control of a management of your boundariest legistation for all court boundariest which the control of a management of your boundariest legistation for a management of your boundariest legistation management of your boundariest legistation management of your boundariest legistation management legistation manageme	won't know												14		, 0	2	0		1 1		17	2
No.	No. 1.		climate-resilient	livelihoc	ods group es	tablished w	ith CARE	upport (e.g	. indoor mu	shroom, cl	icken- or pig	-raising)?								1		1	
Considerate by Apparency   Considerate by Appa	State   Stat	1	77 2	8.73	22	15.07	66	13.91	58 26	.85	41 20.7	1 28		7.1	26.89	17	77.27	34	58.62	34	30.91	6	4.41
Victory Union Number col four Household, a member of swareness rating groups   Cita	A column	2 No		1.27		84.93			158 73					193	73.11	5	22.73	24	41.38	92	60.69	195	95.59
Ves. No. No. No. No. No. No. No. No. No. No			20		43		93		46		47	41		52		1		0		7		7	
No.	Very State   Ver		wareness raising	groups/	DRR groups	establishe	with	E support?															
Concerted by Particle   Conc		1 Yes		4.33		21.83		23.46						71	27.41	14	29.99	25	44.64	45	40.54	6	4.46
Transitional property of the parameter years, have your received any training through the CAMP property (1.5) and (1	Victor   Transfer   Victor	2 No		2.67		78.17		76.54						188	72.59	7	33.33	31	55.36	99	59.46	193	95.54
Vest	The first participated this pa	99	55	Ctroine	4/		102		51		51	45		2/		7		7		9		6	
No.	No.	7	131	48.7		13.06		16.73	107					132	50 38	22	95.65	95	98.75	, S	81.9	14	6 97
How other interpretation   How other interpret	Mythopropated this training?         49         46         40         40         54         40         55         40         40         40         54         40         50         40         10         40         <	2 No		51.3		16.94		3.27	107					130	49.62	1	4.35	1	1.75	21	18.1	187	93.03
Whop provided this training?         2 253 <th< td=""><td>Who provided this training?         Second this training?         Second this training provided this training?         Second this training provided this pairwise mention and the ICAMA project with implemental partners (ARE Womens) and the color in the past two views have you discussed any issues around the ICAMA project with implemental partners (ARE Womens) and the past this past two views this past this past two views this past this past two views the views this past two views this past two views this past two views this past two views the views this past two views this past two views the views this past two views the views the views that views the views that views the views that views the views tha</td><th>word I don't know</th><td></td><td></td><td></td><td></td><td></td><td></td><td>48</td><td></td><td></td><td></td><td></td><td>54</td><td></td><td>0</td><td></td><td>1</td><td></td><td>1</td><td></td><td>10</td><td></td></th<>	Who provided this training?         Second this training?         Second this training provided this training?         Second this training provided this pairwise mention and the ICAMA project with implemental partners (ARE Womens) and the color in the past two views have you discussed any issues around the ICAMA project with implemental partners (ARE Womens) and the past this past two views this past this past two views this past this past two views the views this past two views this past two views this past two views this past two views the views this past two views this past two views the views this past two views the views the views that views the views that views the views that views the views tha	word I don't know							48					54		0		1		1		10	
Notweely Union   1.05   94.81   3.15   3.45   4.1   3.15   3.45   4.1   3.15   3.45   4.1   3.15	National Purple   National P	B.4a Who provided this training?	2		2													1		1			
DARD	DOME DOME DOME DOME DOME DOME DOME DOME	1 Women's Union	01	6.33	42	87.5		33.63		90:				116	97.48	17	100	46	95	73	94.81	00	80
CFRC	DONNE   DONN	2 DARD		2.75	4	8.33	7	4.46		-94				1	0.84	0	0	m	9	CO.	3.9	1	10
CCROENCY   CORDITION   CONSIGNEY   CROENCY	CCROPTION CROPTION	3 Donke		0	1	2.08	1	0.64		0				0	0	0	0	0	0	7	1.3	0	0 9
Considering the beginning of the ICAM project (which included Care WU, DAR), DANR, CCRD), which of the following statements best describes your involvement?  Considering the beginning of the ICAM project (which included Care WU, DAR), DANR, CCRD), which of the following statements best describes your involvement?  Considering the beginning of the ICAM project (which included Care WU, DAR), DANR, CCRD), which of the following statements best describes your involvements best describes your involvements between the planning of the involved in any assessments or planning meet in a season meeting should not contribute a season meeting should not contribute a satisfied were you with the planning process?  25	Considering the beginning of the ICAM project (which included Care WL) DARD, DONRE, CRD), which of the following statements best describes your involved in any assessments for planning meetigg and contributed care wull with planning process?  29  Considering the beginning of the ICAM project (which included Care WL) DARD, DONRE, CRD), which of the following statements best describes your involved in any assessments or planning meetigg and contributed to planning meetigg and contributed to planning process?  29  Considering the beginning of the ICAM project (which included Care WL) DANE, CRD), which of the following statements best describes your involved in any assessments or planning meetigg and contributed to planning meetigg and contributed to planning process?  20  20  20  20  20  20  20  20  20  2	CESC.		0.92	7 0	2.08	7 0	1.27		<b>5</b> C				7 0	T.68	0 0	0	7 0	7 0	0 0	5 6	7 0	2 0
Considering the beginning of the ICAM project (which included Gare Which included Care	Considering the beginning of the ICAM project (which included Gae Wilt included Care Wu), DARD, DONNE, CCRD), which of the following statements best describes your involved in any assessments or planning meet   121 48.99   87 62.14   208 53.75   13.64   15.65   13.75   13.64   13.65   13.75   13.64   13.65   13.75   13.75	99 I don't know	200	>	141	2	350	2	181					197	0	2 0	0	S &	>	0 04	5	207	<b>D</b>
I have not been involved in any assessments or planning meet         121         48.99         87         62.14         208         53.75         1.06         55.85         83         58.87         125         50.81         0         6         10.53         17         15.04         185           I participated in meetings and contribute         85         34.41         1.66         17.05         39         19.6         29.79         21.36         29.79         21.36         21.36         23.01         2.5         23	How statististed were you with the planning process?         48.99         87         62.14         208         53.75         1.05         55.86         88         58.87         125         50.81         0         6         10.53         17         15.04         185           I participated in meetings and contribute         88         34.41         28         13.6         17.8         18.6         17.05         18.6         17.05         28.94         58.64         56.7         17.8         66.7         28.45         17.8         66.7         28.45         17.8         67.8         18.65         17.05         18.9         18.6         18.6         17.05         18.8         18.6         18.6         17.05         18.8         18.6         18.6         17.05         18.8         18.6         18.6         17.05         18.8         18.6         18.6         17.05         18.8         18.6         18.6         17.05         18.8         18.6         18.6         18.8         18.6         18.6         18.8         18.4         18.6         18.8         18.4         18.6         18.8         18.4         18.6         18.8         18.4         18.8         18.8         18.8         18.8         18.8         1	3	d Care WU. DARI	D. DONR			ı.	ents	best de	vour	9									2		1	
Participated in meetings but did not contribute   85   3441   28   29,	Participated in meetings but did not contribute   85   3441   28   29   29   29   29   29   29   29	1	121 4	8.99			1		103	L				125	50.81	0	0	9	10.53	17	15.04	185	97.37
Participated in meetings and contributed to planning   A1   16.6   25   17.86   66   17.05   39   18.6	Participated in meetings and contributed to planning   A1   16.6   25   17.86   66   17.05   39   18.6	2 I participated in meetings but did not contribute	85	4.41		20		29.2						85	34.55	10	45.45	27	47.37	20	61.95	33	1.58
Howey statisfied were you with the planning process?   A	Color tknow	3 I participated in meetings and contributed to planning		16.6		17.86		17.05						36	14.63	12	54.55	24	42.11	26	23.01	2	1.05
How satisfied were you with the planning process?         56.67         25.43         40.20         54.43         54.43         54.43         56.316         57.43         56.01         66.07         57.43         56.73         54.43         54.43         54.43         54.43         54.43         36.54         56.57         56.73	How satisfied were you with the planning process?         65.67         2.64         49.02         9.3         54.33         56.43         56.43         56.31         56.3	99 I don't know												70		1		1		4		21	
1 Very statisfied by Control C	Very satisfied																						
2 Pather statisfied         44         36.67         21         41.18         65         38.01         37         40.22         28.44         18         31.58         47         41.23         7         33.33         19         38         37         40.66         1           3 Rather dissatisfied         8         6.67         5         9.8         13         7.6         5         5.43         8         10.13         3         5.26         10         0<	2 Rather satisfied         44         3.667         2.1         4.1.18         6.5         38.01         3.7         40.22         3.5.4         1.8         3.5.4         1.8         4.1.23         7         33.33         1.9         38         3.7         40.66         9         40.66         1.0         0	1 Very satisfied		6.67		19.05		54.39		.35				57		14	29.99	28	99	46	50.55	4	80
Relation dissatisfied         8         667         5         9.8         13         5.43         8         10.13         3         5.26         10         8.77         0         0         3         6         8         8.79         0           4 Very dissatisfied         0	All Reductions statistics         Bit and discussed any issues         8         6         6         6         7         6         6         7         6         6         7         6         7         6         7         6         7         6         8         9         9         9         10         0	2 Rather satisfied		29.9		11.18		38.01		1.22				47		7	33.33	19	38	37	40.66	1	20
4 Very dissatisfied         0	4 Ver dissatisfied 4 Ver dissatisfied 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 Rather dissatisfied		6.67	5	8.6		7.6		.43				10		0	0	m	9	00	8.79	0	0
9) floorit know 1398 1350 1370 1350 1500 1500 1500 1500 1500 1500 150	138   336   1370   136   1370   137	4 Very dissatisfied	0 0,	0	0 000	0	0	0	0					000		0 0	0	0 0	0	0	0	0	0
11-2 to the control of the control o	1.2 times 2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	5	s around the ICA	M projec	138	o amonting p	330	ARE Wome	1/U	ARD DON	PE CESCI?			707		7		0		07		907	
		-	73 2	7.86	44	9.93	117	18.61	62 29	.25	55 27.9			77	29.62	0	0	0	0	117	100	0	0



1   10   10   10   10   10   10   10	9007 44.97 27.02 28.01 28.01 28.01 16.48 16.48 16.48 16.48 11.83 11.	2 48.11 2 48.11 2 6 34.06 6 84.06 6 84.06 6 28.26 6 28.26 6 28.26 6 28.26 6 28.26 6 28.26 6 28.26 6 28.26 6 28.26 7 21.37 8 20.23 8 20.23 8 20.23 9 9.54 7 21.76 8 5.34 7 21.76 8 5.34 8 5.34 9 9.54 1 15.94 1 15.94 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		5.58 42.86 29.39 29.39 20.31 20.41 20.	86         4.7           42         4.7           43         4.7           44         4.7           56         3141           56         3141           56         3141           56         3141           57.72         39.27           52         19.64           52         19.64           52         19.64           62         19.33           73         17.8           8         4.19           8         4.19           8         4.19           8         4.19           46         2.2.03           11.7         6.28           12.7         19.37           37         19.37           37         19.37           37         19.37           46         42.99           61         57.01	123 163 173 183 183 183 183 183 183 183 183 183 18	48.08 48.42 24.37 27.22 24.37 85.71 14.29 18.99 18.99 18.99 19.3 37.38 38.32 19.3 10.13 10	23 13.04 3 13.04 7 30.43 13 56.52 13 66.53 8 44.44 8 44.44 8 44.44 8 44.44 11.11 6 6.87 6 6.60 6 26.09 6 26		13.79 13.79 86 86 86 86 86 4.65 4.65 4.65 4.65 4.65 4.65 4.65 10.34 46.51 10.34 13.79 10.34 13.79 10.34 10.	7 11.48 42 35.9 37 31.62 38 32.48 38 32.48 44 6.85 44 6.85 47 11.48 55 6.85 40 93.15 56 8.85 47.54 47.	126   59.72   48   22.75   33.33   17.54   22.75   33.33   13.06   22.75   33.33   13.06   22.84   22.84   20.85   33.33   15.64   20.85   33.33   15.64   20.85   33.33   15.64   20.85   33.33   15.64   20.85   33.33   15.64   20.85   33.33   15.64   20.85   33.33   15.64   20.85   33.33   15.64   20.85   33.33   13.64   20.85   33.33   13.64   20.85   23.33   2
Minch of the following statements best applies to y   24,133   28   28,04	9047 44.97 27.02 28.01 28.44 34.91 16.48 36.69 36.69 36.69 36.93 11.83 11.83 11.83 11.18 1	tigo						2 4 5 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			35. 31.6. 31.6. 32.4 40.9 47.5 40.9 47.5 17.9	
12   12   13   14   15   15   15   15   15   15   15	you? 44.97 24.02 28.01 28.42 16.48 34.91 36.69 36.69 36.69 36.69 31.11 21.1 21.1 21.1 21.1 21.1 21.1 3.41 19.33 19.34 19.35 19	E CONTRACTOR DE						11.1 17.7 17.7 17.7 17.7 17.7 17.7 17.7				
Althony of the following statements best applies to year the past four years   28 a	44.57 44.57 28.01 83.52 16.48 16.48 34.91 36.69 36.69 36.93 11.83	t in the second						13. 14. 17. 17. 17. 17. 17. 17. 17. 17. 17. 17				
156   49.06   72   38.1   228   28.04   137   28.04   137   28.04   137   28.04   137   28.04   137   28.04   137   28.04   137   28.04   137   28.04   137   28.04   137   28.04   137   28.04   137   28.04   137   28.04   138   28.04   138   28.04   138   28.04   138   28.04   29.04	44.97 27.02 28.01 16.48 16.48 34.91 36.69 36.93 11.83	t in the second						13. 26. 26. 26. 26. 26. 26. 26. 26. 26. 26				
84         26.42         33.604         13.51           8 changed over the past four years         134         84.81         94         81.74         228           134         84.81         94         81.74         228           160         74         18.18         45           170         18.18         47         28           24         15.19         24.24         24         34.29         48           24         24.24         24         34.29         48         48           24         34.24         24         34.29         48           24         34.32         24         34.29         48           24         35.38         24         34.29         48           24         34.32         24         34.29         62           25         16.35         44         34.21         62           25         16.35         44         23.28         96           26         20.75         30.16         118         97           27         4.09         16         33.28         98         100           28         18.55         41         23.28         98	28.01 83.52 16.48 34.91 36.69 36.69 27.2 27.2 27.2 27.2 18.93 11.83 11.83 11.83 19.33 19.33 19.33 19.33 19.33 19.53 5.13 19.53 5.13							5 6 6 6 6 6 6 7 17 17 17 17 17 17 17 17 17 17 17 17 1				
15.19   28.481   94   81.74   228   15.10   18.26   45   15.10   18.26   45   18.26   45   18.26   45   18.26   45   18.26   45   18.26   45   18.26   45   18.26   45   18.26   48   18.26   48   18.26   48   18.26   48   18.25   48   18.25   48   18.25   48   18.25   48   18.25   48   18.25   48   18.25   48   18.25   18.25   19.26   10.06   18.25   18.25   19.26   10.06   18.25   19.26   10.06   18.25   19.26   10.06   19.26   19.26   10.07   10.26   10.0	28.4 16.48 28.4 34.91 36.69 36.69 27.29 27.29 27.2 27.2 18.93 11.83 11.83 19.72 19.33 19.33 19.33 19.33 19.33 19.44 19.44							11.1 17.17.17.17.17.17.17.17.17.17.17.17.17.1				
134   84.81   94   81.74   228   150   145.19   18.26   45   150   18.26   45   150   18.26   45   18.26   45   18.26   48   18.26   48   18.25   48   18.25   18.25   18.25   19.26   19.25	83.52 28.4 34.91 36.69 36.69 37.2 27.29 24.65 5.72 11.83 11.83 11.83 11.83 11.83 11.83 11.83 11.83 11.83 11.83 11.83 11.83 11.83 11.83 11.83 11.83 11.83 11.83 11.72 11.72 11.72 11.72 11.83							11.1 17.1 17.1 17.1 17.1 17.1 17.1 17.1				
18.26   15.19   18.26   45   15.19   18.26   45   15.19   18.26   45   15.19   18.26   48   12.24   2.34   2.34   2.34   2.34   2.34   2.34   2.34   2.34   2.35   2.36	28.4 34.91 36.69 36.69 22.29 24.65 5.72 11.83 11.83 11.83 19.72 19.72 19.73 19.73 19.73 19.73 19.73 19.73 19.73 19.73 19.73 19.75 19							11.1 17.1 17.1 17.1 17.1 17.1 17.1 17.1				
Name	28.4 34.91 36.69 22.29 24.65 5.72 11.83 11.83 19.72 19.72 19.72 19.73 19.73 19.73 19.73 19.73 19.72 19.73 19.73 19.73 19.73 19.73 19.74 19.75 19											
24.24   24.2	28.4 34.91 36.69 22.29 24.65 5.72 11.83 11.83 11.83 19.33 19											
37   37.37   22   31.43   59     213   38.38   24   34.29   62     22   22.01   43   22.75   113     25   20.75   31.22   125     25   16.35   44   23.28   96     25   16.35   44   23.28   96     25   16.35   44   23.28   96     25   16.35   44   23.28   96     26   20.75   41   21.69   107     27   2.2   18   9.52   25     28   18.57   41   21.69   107     29   18.57   44   23.28   93     40   15.41   44   23.28   93     40   15.41   44   23.28   93     40   12.28   25   13.23   65     20   28   27   13.23   65     20   28   27   13.23   65     20   28   27   13.23   65     20   28   27   13.23   65     20   28   27   13.23   65     20   28   27   27   27     20   28   27   27   27     20   28   27   27   27     20   20   21   27     20   20   21   27     20   20   21   27     20   20   21   27     20   20   21   27     20   20   21   27     20   20   21   27     20   20   21   27     20   20   21   27     20   20   21   27     20   20   21   27     20   20   21   27     20   20   21   27     20   20   21   27     20   20   21   27     20   20   21   27     20   20   20   20     20   20   20	34.91 36.69 22.29 24.65 5.72 118.33 11.83 11.83 11.33 19.33											
238   38.38   24   34.29   6.25     219	36.69 22.29 24.65 5.72 18.93 11.83 11.83 11.83 19.72 19.33 19.33 19.33 19.33 19.83 5.13 19.83 5.13 wareness-raisin											
2201   43   22.75   1135   138   1	22.29 24.65 5.72 11.83 11.83 23.27 4.93 19.72 19.73 19.73 19.73 19.33 19.34 19.33 19.34 19.35 5.13 5.13 5.13 5.13 5.13 5.13 5.13 5											
66         2.0.1         4.3         2.2.75         113           66         20.75         59         31.22         125           13         4.09         16         8.47         2.9           22         16.35         44         23.28         96           66         1.9.18         57         30.16         118           7         2.2         18         30.16         118           7         2.2         18         30.16         118           59         18.55         41         21.69         100           7         2.2         18         5         41         21.69         10           8         11.55         41         21.69         10         68         11         10         68           18         11.55         41         21.28         93         10         68         10         69         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         11         10         10         10         11         10         11	22.29 24.65 5.72 11.83 11.83 23.27 4.93 19.72 19.73 19.73 19.73 19.33 19.33 19.34 19.34 19.35 5.13 5.13 5.13 5.13 5.13 5.13 5.13											
70         2.2.01         43         22.75         113           70         2.2.01         43         22.75         113           13         4.00         16         8.47         29           52         16.55         44         22.28         96           66         20.75         41         21.69         107           66         20.75         41         21.69         107           7         2.2         18         9.52         2.5           59         18.57         41         21.69         107           60         20.75         41         21.69         107           7         2.2         18         9.52         2.5           59         18.57         41         21.69         107           60         18.57         44         23.28         98           60         18.57         30         15.87         68           70         18.57         30         15.87         68           80         18.57         30         13.23         93           80         18.57         30         13.23         13.24           81 <th< td=""><td>22.29 24.65 5.72 11.83 11.83 23.27 4.93 19.72 19.72 19.33 19.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 19.35 5.13 19.35 19.</td><td>                                     </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	22.29 24.65 5.72 11.83 11.83 23.27 4.93 19.72 19.72 19.33 19.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 18.34 19.35 5.13 19.35 19.											
20.75   34.31   125	24.65 5.72 118.33 11.83 11.83 23.27 23.27 19.33 19.33 19.33 19.33 19.33 19.33 19.33 5.13 5.13 19.82 5.13											
13         4,03         10         29           32         16,06         20,75         44,81         20,28         14,81         60           66         20,75         41         21,69         107           61         19,18         57         30,16         118           7         2,2         18         9,52         25           59         18,55         41         21,69         107           60         18,55         41         21,69         108           74         2,2         18         9,52         25           8         11,95         30         15,87         68           8         44         23,28         98           90         11,95         30         10,63           80         1,1,55         30         13,23         65           80         1,1,58         44         23,28         98           80         1,1,58         30         20,63         130           80         1,1,58         30         1,36         130           10         1,1,58         30         1,48           10         1,41         1,41         <	23.77 11.83 11.83 11.83 4.93 19.72 19.33 19.33 19.33 19.33 19.33 19.33 19.33 19.33 19.33 19.33 19.33 19.33 19.33 19.33 19.33 19.37 1											
10.05	11.83 23.27 4.93 19.72 19.33 19.33 19.33 19.33 19.33 19.53 19.53 19.53 19.53 19.53 19.53 19.53 19.53 19.53 19.53 19.53											
10	23.27 4-93 19.72 19.72 19.33 18.34 19.33 19.33 19.33 19.33 19.33 19.33 19.53 19.53 19.53 19.53 19.53 19.53 19.53 19.53	tion										
66         20.75         41         21.69         107           61         19.18         57         30.16         118           59         18.21         2.5         2.5         2.5           59         18.87         68         10.0         2.5           59         18.87         44         23.28         93           49         15.41         44         23.28         93           40         18.87         39         20         39           40         18.53         39         20         39           40         18.53         39         20         39           40         18.53         39         20         39           40         18.53         39         20         30           80         51.61         50         45.05         130           163         51.61         50         54.50         130           163         51.61         54.50         132           163         52.94         60         60.91         148           165         37.5         11         25.88         38           165         37.5         11 <td>23.27 23.27 24.93 19.72 13.41 18.34 18.34 18.34 19.33 19.33 19.82 12.82 12.82 12.82 12.82 12.82 13.87 14.87 14.87</td> <td>                                     </td> <td></td>	23.27 23.27 24.93 19.72 13.41 18.34 18.34 18.34 19.33 19.33 19.82 12.82 12.82 12.82 12.82 12.82 13.87 14.87 14.87											
19.18   57   30.16   118     2.2   18.55   30.16   118     3.1   18.55   30   15.69   100     38   11.95   30   15.69   100     49   11.91   44   23.28   98     15.41   44   23.28   98     15.41   44   23.28   99     15.41   44   23.28   99     15.41   34   7.41   26     60   18.87   39   20.63   99     60   18.87   39   20.63   99     75   48.39   78   45.05   136     75   48.39   78   48.39   115     75   48.39   78   39.09   115     75   47.06   43   39.09   115     75   47.06   43   39.09   115     75   47.06   43   39.09   115     75   47.06   43   39.09   12     75   47.06   43   39.09   12     75   47.06   43   39.09   12     75   47.06   43   39.09   12     75   47.06   43   39.09   12     75   47.06   43   39.09   12     75   47.06   43   39.09   12     75   47.06   43   39.09   12     75   47.06   43   39.09   12     75   47.06   43   39.09   12     75   47.06   43   39.09   12     75   47.06   43   39.09   12     75   47.06   43   39.09   12     75   47.06   43   39.09   12     75   47.06   43   39.09   12     75   47.06   43   39.09   12     75   47.06   43   39.09   13     75   48.39   13   14     75   48.39   14   14     75   48.39   14   17     75   48.39   14     75   48.39     75   48.39     75   48.39     75   48.39     75   48.39     75   48.39     75   48.39     75   48.39     75   48.39     75   48.39     75   48.39     75   48.39     75   48.39     75   48.39     75   48.39     75   48.39     75   48.39     75   48.39	23.27 4.93 19.72 13.41 19.33 18.34 5.13 19.53 2 change and ad 48.87 51.13 51.13	tion										
7   2.2   18   9.52   25     59   18.55   41   21.69   100     38   11.95   44   23.28   98     40   15.41   44   23.28   98     50   15.41   44   23.28   98     12   3.77   44   7.41   26     50   18.87   39   20.63   99     50   18.87   39   20.63   99     50   18.87   39   20.63   99     50   18.87   39   20.63   13.23     50   18.87   39   45.05   130     50   48.39   61   54.95   130     50   48.39   61   54.95   130     50   48.39   61   54.95   130     50   48.39   61   54.95   130     50   48.39   62   60.91   148     50   50   50   50   50     50   50	4.93 19.72 13.41 18.34 19.33 119.33 119.33 119.33 12.82 12.82 5.13 19.82 19.87 19.87											
11.95   41, 51,69   100     18.55   41, 51,69   100     24   15,41   44   23.28   98     12   3.77   14   7.41   26     18.87   39   20.63   99     18.7   39   20.63   99     18.7   39   20.63   99     18.7   39   20.63   99     18.7   39   20.63   99     18.7   39   20.63   99     18.7   39   20.63   99     18.7   48.39   61   54.95   130     18.7   48.39   61   54.95   130     18.7   48.39   61   54.95   130     18.8   52.94   67   60.91   148     18.8   52.94   67   67   67     18.8   52.94   67   67     18.8   52.94   67   67     18.8   52.94   67   67     18.8   52.94   67   67     18.8   52.94   67   67     18.8   52.94   67   67     18.8   52.94   67   67     18.8   52.94   67   67     18.8   52.94   67   67     18.8   52.94   67   67     18.8   52.94   67   67     18.8   52.94   67   67     18.8   52.	19.72 13.41 19.33 19.33 11.83 12.82 12.82 12.82 5.43 54.87 54.87											
1.1.95   3.0   15.87   6.8     24   16.88   44   23.28   9.8     49   15.41   44   23.28   9.9     50   18.87   3.9   20.63   9.9     40   12.58   3.9   20.63   9.9     40   12.58   2.5   13.23   0.9     51   52   52   13.23   0.9     52   53.61   54.95   13.0     53   53.61   54.95   13.0     54   53.94   67   60.91   148     52.94   67   60.91   148     52.94   67   60.91   148     52.95   37.5   33.09   7.6     52   37.5   31   72.09   7.6     52   37.5   31   25.88   38.0     53   37.5   31   25.88   38.0     54   55   37.5   37.5   37.5     54   57   37.5   37.5     55   37.5   37.5   37.5     56   37.5   37.5   37.5     57   37.5   37.5   37.5     58   37.5   37.5   37.5     58   37.5   37.5   37.5     59   37.5   37.5   37.5     50   37.5   37.5   37.5     50   37.5   37.5   37.5     50   37.5   37.5   37.5     50   37.5   37.5   37.5     50   37.5   37.5   37.5     50   37.5   37.5   37.5     50   37.5   37.5   37.5     50   37.5   37.5   37.5     50   37.5   37.5   37.5     50   37.5   37.5   37.5     50   37.5   37.5   37.5     50   37.5   37.5   37.5     50   37.5   37.5   37.5     50   37.5   37.5   37.5     50   37.5   37.5   37.5     50   37.5   37.5	13.41 19.33 18.34 5.13 19.53 12.82 12.82 5.13 51.13											
54         16.88         44         23.28         98           49         15.41         44         23.28         93           60         18.87         34         26         93           40         12.58         39         20.63         99           avanced in an awareness - raising activities on climate change are properly and continuate change are properly as a supplementation of the change are properly as a supplementation of	19.33 18.34 5.13 19.53 12.82 2 change and ad 48.87 51.13											
14   23.28   93   93   93   93   93   93   93   9	18.34 5.13 19.53 12.82 48.87 51.13											
14   7.41   26     29   20.63   99     20   13.04     20   20.04     20   24.05   130     20   24.05   130     20   24.05   130     20   24.05   130     20   24.05   130     20   24.05   24.05     20   20.05   24.05     20   20.05   24.05     20   20.05     2	5.13 19.53 12.82 2 change and ad 48.87 51.13	<mark>  [</mark>										
25 20.63 99 26 13.23 65 27 13.23 65 28 13.29 136 29 45.05 136 21 54.95 136 27 62 139 27 136 27 60.91 148 27 72.09 76 27 60.91 244 27 72.09 76 27 11 2.58 38 22 2.44 38 23 2.478 24 38 38 21 24 38 38 21 24 38 38 21 25 38 38 21 26 38 38 21 27 38 38 21 28 38 38 21 28 38 38 21 28 38 38 21 28 38 38 21 28 38 38 21 28 38 38 21 28 38 38 38 21 28 38 38 38 21 28 38 38 38 21 28 38 38 38 21 28 38 38 38 21 28 38 38 38 21 28 38 38 38 38 21 28 38 38 38 38 21 28 38 38 38 38 38 38 38 28 38 38 38 38 38 38 38 38 38 38 38 38 38	19.53 12.82 e change and ad 48.87 51.13 wareness-raising											
13.23   65	12.82 e change and ad 48.87 51.13 wareness-raising	tio										
10   10   10   10   10   10   10   10	48.87 51.13 wareness-raising									80		12
78 2415 156 156 156 156 156 156 156 156 156 1	51.13 Wareness-raising				Ш					20 8		77
78 643 39.09 643 39.09 79 79 71 25.58 146 146 6 3.31 8	wareness-raising	ı	5		L		ı					89
r-related climate cf. 64.3 39.0 67.7 60.91 7.2 60.91 1.2 5.58 1.4 6.1 1.4 6.1 1.4 6.1 1.4 6.1 1.4 6.1 1.4 6.1 1.4 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1	wareness-raising	7	4		84	157		3	8			131
43 39.09 67 60.91 72 73 72 71 25.58 74 23 72 74 25.68 75 75 75 75 75 75 75 75 75 75 75 75 75 7	, ,	vities (	atle									
729 729 731 72.09 731 72.09 73 72.09 73 72.09 7446 7446 8 96.69 6 3.31	43./3		53	40.77	45 42.06	02		15 75	34	70.83	46 66.67	16 19.75
79 31 72.09 111 25.58 146 nn times of rain, ch 175 96.69 6 3.31	56.27 71	EĞ					55.13			29.17	23 33.33	
31 72.09 11 25.58 1 2.33 146 nt times of rain, cha nt times of sin, cha sin sin sin sin sin sin sin sin sin sin		9	CTT		8	nar		n	OT		40	130
seful 27 37.5 11 25.58    st ten years, have you experienced any changes in the climate, such as different times of rain, changes in the climate, such as different times of rain, changes in the climate, such as different times of rain, changes in the climate, such as different times of rain, changes in the climate, such as different times of rain, changes in the climate, such as different times of rain, changes in the climate of the clim										55.88		12
246 146 15.33 146 2.33 146 2.33 246 3.31 2.33 246 3.31 2.33 246 3.31 2.33 3.31 2.33 2.34 2.34 2.34 2.34 2.34 2.34 2.34	<b>33.04</b> 20	0 32.26	18	33.96	15 33.33	23	32.86	9 40	15	44.12	12 26.09	3
246   146										0		1
st ten years, nave you experienced any changes in the cimate, such as direcent times of rain, changes in the cimate, such as direcent times of rain, changes in the cimate, such as direction and changes in the cimate such as direction and containing and cimate such as direction and cimate s			192	17	46	246		00	24		71	195
10 35 4 331 4 4 8	n temperature,	<b>ä</b>										
8	3.43	2 4.71	5 50	2.08	5 2.69	12	3.88	2 9.09	2 1	1.75	1 0.85	3 1.45
54 17.09 25 13.23	64									12.07		30
Minor damages of losses	26.12	32.06		23.46	20.37		26.73	34./8	17	29.31	33 28.45	75
												2 7
ABLE 49 15.51	18.22 44	4 16.79	48	19.75	38 19.9	54	17.2	2 8.7		29.31	18 15.52	48
32 10.13 15 7.98										3.45		
Minor damages or losses 52 16.46 35 18.62 87	17.26 43	3 16.48	4 2	18.11	36 18.95	51	16.24	5 21.74	10	17.24	24 20.69	26 12.44
					L						L	
ABLE 132 41.77 79 42.02	41.87	9 41.76		41.98	57 30		49.04	9 39.13		20	50 43.1	98
94 29.84 48	28.17 66	6 25.38	92	31.15	33 17.46	109	34.6	9 39.13	20	34.48	34 29.31	58 27.62
28.89 49 25.93		2 2					"			36.21		
3 0		3										
43 13.65 24 12.7	13.29 45	5 17.31	77	9.02	40 21.16		8.57	2 8.7		8.62	18 15.52	35
Land erosion (river and sea)			1									

No.	The control of the	No.	Minor damages or losses	13	4.25	11	5.91								11	3.65		13.04				11	5.3
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1.   1.   1.   1.   1.   1.   1.   1.	1.   1.   1.   1.   1.   1.   1.   1.	mages or losses	84	27.45	55	29.57								81	26.91		1.74				20	24.1
1.   1.   1.   1.   1.   1.   1.   1.	1.   1.   1.   1.   1.   1.   1.   1.	1.   1.   1.   1.   1.   1.   1.   1.	KNOW	2000	25 67	311	75 63						117		202	67 44		700				4 171	1 69
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	PLICABLE	707	00:00	077	05:37						/77		507	***		70.0				747	100
1.   1.   1.   1.   1.   1.   1.   1.	1.   1.   1.   1.   1.   1.   1.   1.	No.	damage or loces	70	15.65	28	15 14								77	37.00		1 7.4			16.67	28	13.5
No.	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1, 10, 11, 11, 11, 11, 11, 11, 11, 11,	damages of losses	4 4	14.06	170	75.7								0 4	18.65		T./4	$\perp$		12.22	2 7	12.0
Column   C	1.   1.   1.   1.   1.   1.   1.   1.	1.   1.   1.   1.   1.   1.   1.   1.	mages or losses	62	19.81	45	24.32								85	27.33		0.43	L		24.56	3 8	16.0
18.   18.	13.   1.   1.   1.   1.   1.   1.   1.	1879   1879	know	1 40		4									5				L			5	
1.   1.   1.   1.   1.   1.   1.   1.	13.50   1.07   1.184   2.0   18.22   0.0   24.60   2.5   11.55   0.0   28.27   1.0   2.5	1.   1.   1.   1.   1.   1.   1.   1.	PPLICABLE	158	50.48	86	52.97						165		91	29.26		4.78	L		46.49	120	58.2
1.   1.   1.   1.   1.   1.   1.   1.	2.59   2.51	2.59   2.51																					
1.1.   1.   1.   1.   1.   1.   1.	11.20   27.   12.20   27.	1.1.1.2   1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	damages or losses	99	20.38	43	22.99								80	25.72		9.13	Ш		50.69	40	19.1
1.   1.   1.   1.   1.   1.   1.   1.	13.3   15.	13.5   1.5	damages or losses	55	17.52	40	21.39								74	23.79		3.04			23.28	37	17.
Mathematical   Math		Column   C	nages or losses	92	19.75	25	13.37								19	19.61		1.74			16.38	39	18.6
1.   1.   1.   1.   1.   1.   1.   1.	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	know	4		2							1		5							2	
Mail	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	PPLICABLE	133	42.36	79	42.25		32				116		96	30.87		60.9			39.66	93	4
1.   1.   1.   1.   1.   1.   1.   1.	12.53   12.5	12.53   12.5   14.54   12.5   12.54	l diseases																				
17.   10.   17.   10.   17.	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	damages or losses	78	24.68	44	23.53							12.63	98	31.31		1.74	$\perp$		31.3	47	22.4
No.     No.   No	18,77    11,89   20,384   46   17,81   56   56   21,41   29   15,56   27   23,31   29   20,384   29   29,394   29   29   29   29   29   29   29	No.	damages or losses	47	14.87	43	22.99							21.05	20	15.97		60.9			20.87	24	11.4
Name   150	1.	No.	nages or losses	29	21.2	35	18.72							15.26	73	23.32		0.43	$\perp$		20.87	37	17.
1.   1.   1.   1.   1.   1.   1.   1.	No. 10.   No.	1,	know	2		2							1		m					2		2	
1.   1.   1.   1.   1.   1.   1.   1.		1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	PPLICABLE	124	39.24	92	34.76		.57			8	97	51.05	92	29.39		1.74		31	26.96	101	48.3
1.   1.   1.   1.   1.   1.   1.   1.	December	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	he past ten years, have hazards become more frequ	uent or more dan	naging?																		
No.	1, 1, 2, 3, 3, 1, 2, 3, 3, 4, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,			69.41	126	67.74				H (			69.57	209	68.3		9.57	$\perp$			135	8,09
1.   1.   1.   1.   1.   1.   1.   1.	Name	1,		-	30.39	00	32.20				מ			30.43	18	31./		54.0				à	33.1
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1,11,12,   1,11,12,	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	rknow	14		m :		17			1(		_		10		0		1	m		9	
1			rre, do you think that hazards are likely to cause da	images or losses t	o your hor	2ploqasr																	
				203	73.29	118	71.52							71.6	205	73.21		1.82	$\perp$		78	136	71.9
				74	26.71	47	28.48							28.4	75	26.79		8.18			22	23	28.0
1			tknow	41		24		65		35	3(	0	29		36		1		6	17		22	
47.08         7.10         43.64         1.10         43.64         1.10         44.84         1.00         41.74         1.00         41.74         1.00         41.74         1.00         41.74         1.00         41.74         1.00         41.74         1.00         41.74         1.00         41.74         1.00         41.74         1.00         41.74         1.00         41.74         1.00         41.74         1.00         41.74         1.00         41.75         1.00         44.83         1.00         44.83         1.00         44.83         1.00         41.75         1.00         44.83         1.00         44.83         1.00         44.83         1.00         41.70         1.00         40.00         1.00         41.70         1.00         41.70         1.00         41.70         1.00         41.70         1.00         41.70         1.00         41.70         1.00         41.70         1.00         41.70         1.00         41.70         1.00         41.70         1.00         41.70         1.00         41.70         1.00         41.70         1.00         41.70         1.00         41.70         1.00         41.70         1.00         41.70         1.00         41.70         1.00 <t< td=""><td>7.2.         7.2.         6.5.4.6         1.1.         4.1.7.4         1.0.         5.8.2.         1.0.         5.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.</td><td>7.2.         7.2.         4.5.6.4         1.1.1         4.1.7.4         1.09         5.8.4         1.09         5.8.4         1.09         4.8.4         1.1.1         4.1.7.4         1.09         5.8.4         1.09         4.8.4         1.1.1         4.1.7.4         1.09         5.8.4         1.09         4.8.4         1.1.1         4.1.7.4         1.09         5.8.4         1.01         4.1.7.4         1.09         5.8.4         1.01         4.1.7.4         1.09         4.1.7         4.1.7         3.00         4.1.7         3.00         4.1.7         4</td><td>he past four years, have you done anything to be b</td><td>etter prepared fo</td><td>r these ha</td><td>zards?</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	7.2.         7.2.         6.5.4.6         1.1.         4.1.7.4         1.0.         5.8.2.         1.0.         5.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.2         1.0.         6.8.4.	7.2.         7.2.         4.5.6.4         1.1.1         4.1.7.4         1.09         5.8.4         1.09         5.8.4         1.09         4.8.4         1.1.1         4.1.7.4         1.09         5.8.4         1.09         4.8.4         1.1.1         4.1.7.4         1.09         5.8.4         1.09         4.8.4         1.1.1         4.1.7.4         1.09         5.8.4         1.01         4.1.7.4         1.09         5.8.4         1.01         4.1.7.4         1.09         4.1.7         4.1.7         3.00         4.1.7         3.00         4.1.7         4	he past four years, have you done anything to be b	etter prepared fo	r these ha	zards?																	
45.29         5.53         1.39         64.53         14.1         54.20         7.1         44.83         56         51.74         2.6         44.83         56         1.1         65.20         1.3         64.83         66.31         8.0         41.0         66.83         67.1         44.07         7.0         44.83         56         6.4         7.1         44.83         56         56.24         1.7         73.91         26.83         8.0         1.1         48.07         7.0         44.80         7.0         48.07         7.0         48	45.55         12.57         55.36         55.36         136         54.55         141         58.26         76         41.08         203         65.48         5         21.74         76         44.83         5         44.83         5         21.74         76         44.83         5         44.83         5         21.74         76         44.83         5         5         21.74         76         44.83         5         5         44.83         5         6         44.83         5         6         44.83         5         6         44.83         5         6         47.27         70         6         6         6         6         70         70         6         6         6         6         70         70         6         6         6         70         70         6         6         70         7	State   Stat		129	41.61	87	47.03		4					58.92	107	34.52		8.26			20	82	37.8
1.   1.   1.   1.   1.   1.   1.   1.	45.55   128   38.29   110   43.08   7.5   33.19   54.55   55.59   55			181	28.39	86	52.97		96					41.08	203	65.48		1.74			20	128	62.1
No.		Fig.	tknow	∞ .		4		12		6	,	23	9		9		0		0	5		5	
The control of the	The state of the contribute to your field from work contribute to your field from your field from your field from your	The control of the	u plan to take (further) action to be better prepared	d tor and adaptec	to hazard	s in future?									1							i	
The contribute type with white off part   1	The contribute to cut fulfill for different cut fulfill for the cut fulfill for different cut fulfill fulfill for different cut fulfill fulfill for different cut fulfill fu	The contribution of the		103	33.66	82	45.95							51.93	94	30.32		3.91	$\perp$		43.48	8 3	34.8
Fig. 10   Fig. 12   Fig. 12   Fig. 12   Fig. 13   Fig.	The contribute to your five fine of the contribute to your fine of the contribute to your five fine of the contribute to your fine of the contribute to your five fine of the contribute your five fine of the contribute your five fine of the contribute your five fine of the contrib	The contribute to your feed income   A		203	66.34	100	54.05							48.07	216	89.69		60.9	$\perp$		26.52	131	65.1
The control to the first bound of the control to	Fig. 2015    Fig	The contribute to pour interface of contribute to contribute to contribute to pour interface of contribute to	know	12		4		16		9			10		9		0		m	2		10	
The control of the	17.2   17.2	This control of the	at extent does on-farm and off-farm work contribu	ite to your livelihe	pood) poo	and income)	2										i						
Fig. 10   Fig. 12   Fig.	100   31.7   31.8   3	100   31.7   31.8   3	c	72.5		79		74		81	79	4	89		19		19		28	7/2		22 23	
Fig. 10   State   St	Fig. 100   31.75   561.25	Fig. 10   21.5   68.75   11.6   61.81   15.6   11.8   11	2013 was this min different	00.30		01.33		00.00	Ď	60.4	20.70		70.04		23.31		22.39	ń	6.3	01.3		00.00	
The contribute to contribute	Second Control Contr	The control of the	ZULZ, was this mix different?	000	14	C			1,					20.00	104	22.22		7,0			27.75	44	000
Fig. 10   Fig. 14   Fig.	Secretary Continue by contin	Second		100	31./3	200			ų, r					77.07	104	33.23		9.T3			27.35	# 5	20.3
Figure   F	Second Control   Seco	Figure   Color   Col		215	68.25	131			9					71.73	209	66.77		0.87			72.65	166	79.0
Fig. 10   Fig. 12   Fig. 14   Fig. 15   Fig.	The control of the	The control co	wow.	3		0			A head of the	7 .		Z	2		77		0		7	5		7	
Section   Sect	Second Complete	Section   Sect	king of 2012, how much did on-tarm and off-tarm	work contribute	to your live	elihood (foo		ė.	e) back the	1					1,7		(		2			5	
The book	The column	The column		/9		64.5	4		0.5	/1	99		68		54.5		63	0	10	95		69	
Their boundary of the control of their boundary	Their many parts and protection of parts and protection and income changed at their parts and income changed and income changed at their parts and income chan	Perison   1	20 000 0 1110 3 F -F -			57.5			96	1.59	53.54		59.91		54.89		20	28	18	55.5		53.41	
Hersy Hersy 15 and 1	Part	Part	e ICAM project (which included Care WU, DARD, Dd		ed any rol	ne behind thi	s change?							20.02	2.0	PE 24		4 30			41.30	30	00
1   1   1   1   1   1   1   1   1   1	1	1   1   1   1   1   1   1   1   1   1	alound a maritim alo amonat attaca	32	30.00	77	20.00							20.00	17	27.07		4.63			4T:30	7	2.00
1   1   1   1   1   1   1   1   1   1	1   1   1   1   1   1   1   1   1   1	1   1   1   1   1   1   1   1   1   1	played a positive role amongst others	100	16.81	11	33.33							35.48	10,	16.29		7.14 8 5 7			37.93	7 -	7.1
11   11   12   12   13   14   15   15   15   15   15   15   15	Intellihood Situation   Good production and income changed?   3	Intellihood situation (food production and income) changed?   25   34.5   164   32.6   31.8	know	259	20.01	156	3							2	255	Con		2			60.03	183	3
State   Stat	State   Stat	State   Stat	2012. has your household's overall livelihood situat	tion (food produc		come) chans	red?						2		3		2		3	3		G	
Total Column   Tota	The color of the	The color of the	e are now better off than in 2012.	66		65	34.57		32.6					30.69	106	33.76		2.17			36.75	25	26.0
Table   Section   Sectio	The color of the	Table   Tabl	hasn't changed	102	32.38	57	30.32		1.61			L		34.39	94	29.94		4.35			27.35	79	37.4
Care WU, DARD, DONKE, CCRD)   played any role behind this change?   1	Care WU, DARD, DONRE, CCRD  played any role behind this change?   1	Part No.	e are now worse off than in 2012	114	36 19	99	35 11		5 79			L		34 92	114	36.31		3 48			25.0	1	36.4
The color   The	Part No.	The column   The	know	~		2						L			2								
103   74,64   68   72,34   12, 1   12, 1   13, 1   1	103   74.64   68   72.34   171   73.71   84   74.34   87   73.11   58   73.11   58   73.11   58   73.11   58   73.11   58   74.34   58   73.11   58   73.11   58   73.11   58   73.11   58   74.34	Total Control C	e ICAM project (which included Care WU, DARD, Do	CCRD) pl	ed any rol	e behind thi	s change?			1									1				
Annonegat others	The contract other contracts   The con	Amongst others	lid not play a role	103	74.64	89	72.34							68.24	113	76.87		1.11			58.57	98	94.5
This continue	11   7.97   6   6.38   17   7.33   8   7.08   9   7.56   8   9.41   9   6.12   9   1.667   9   1.471   5   5	r         11         7.97         6         6.38         17         7.33         8         7.06         7.56         8         9.41         9         6.12         9.4         16.67         9         14.71         9           r         180         180         180         1.26         1.27         1.26         1.27         1.26         1.27         1.26         1.27         1.26         1.27         1.26         1.27         1.26         1.27         1.26         1.27         1.27         1.27         1.27         1.27         1.27         1.27	played a positive role amongst others		17.39	20	21.28							22.35	25	17.01		2.22			34.29	4	4.
The control of the	180   180   255   25   4.94   19   7.25   6   2.46   17   8.95   8   2.53   0   0   0   0   4	The control of the	played the main role		7.97	9	6.38							9.41	6	6.12		29.9			7.14	1	1
He weather  14 4.42 11 5.82 25 4.99 19 7.25 6 2.46 3 1.58 7 2.27 0 0 0 0 0 0 0 0 3 2.56 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	He weather  14 4.42 11 5.82 25 4.94 19 7.25 6 2.46 17 8.95 8 2.53 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	The weather         14         4.42         11         5.82         2.5         4.94         1.5         7.25         6         2.46         17         8.95         8         2.53         0         0         0         4           The market (access/prices)         6         1.89         4         1.53         6         2.46         3         1.58         7         2.22         0         0         0         0         3           Account of the market (access/prices)         2.43         1.36         2.46         3         1.58         7         2.42         3         1.52         0         0         0         0         3         3         3         1.58         3         1.58         7         2.42         3         1.52         0         0         0         0         0         3 <t< td=""><td>know</td><td>180</td><td></td><td>95</td><td></td><td>275</td><td></td><td>149</td><td>126</td><td>10</td><td>106</td><td></td><td>169</td><td></td><td>5</td><td></td><td>24</td><td>47</td><td></td><td>120</td><td></td></t<>	know	180		95		275		149	126	10	106		169		5		24	47		120	
Hemarket access/prices   14	the market (access/prices)         14.42         11         5.82         2.5         1.5	14   4.42   11   5.82   2.5   4.54   19   7.25   6   2.46   17   8.55   8   2.53   0   0   0   0   0   4	anges in the weather																				
Hemarket access/prices)  242 76.34 137 12.84 12.84 12.84 13.79 13.87 14.74 14.	Hemarket laccess/prices)  242 76.34 135 27 18.18 51 19.47 41 16.8 47 24.4 45 14.24 3 13.04 8 13.79 22  Hemarket laccess/prices)  242 76.34 137 72.49 379 749 18.18 51 19.47 41 16.8 47 24.4 45 14.24 3 13.04 8 13.79 22  Hemarket laccess/prices)  31 9.78 19.78 19.9 10.05 50 9.88 35 13.36 15 6.15 24 12.6 8.23 1 4.35 3 13.04 17.39 17.39 18.18 18.	He market (access/prices)  242 76.34 13.59 12.51 19.58 19.1 19.1 19.1 19.1 19.1 19.1 19.1 19.	olicable	14	1 80	11	5.82							8.95	00 1	2.53		0 0			3.42	11	5.2
the market (access/prices)         242         76.34         137         72.49         379         74.9         188         71.76         191         78.28         123         64.74         256         81.01         20         86.96         50         86.21         88         75.21         152           the market (access/prices)         31         9.78         130         6.15         24         12.63         26         88.21         8         75.21         152           the market (access/prices)         31         9.78         19         10.05         50         9.88         35         13.36         15         24         12.63         26         8.23         1         4.35         3         5.17         10         8.55         23           100         31.55         32.3         163         36.3         16         30.44         65         34.21         96         31.01         10         88         35.01         10         29         91.8         4         11.97         16         73         10         8.55         10         10         10         10         10         10         10         10         10         10         10         10         <	the market (access/prices)         242         76.34         137         72.49         188         71.76         191         78.28         123         64.74         256         81.01         20         86.50         50         86.21         88           31         9.78         10         31.5         6.15         24         12.63         26         8.23         1         4.35         3         5.17         10           31         9.78         17         8.99         25         9.54         23         9.43         10         29         9.18         3         5.17         10           4         10         31.55         63         33.33         1.63         33.21         88         33.59         75         30.74         65         34.11         6         269         9.18         7         10	the market facees/prices)  242 76.34 137 72.49 379 749 188 71.35 13.59 149 158 123 64.14 256 81.01 20 86.36 50 86.21 88.21 14.35 14.	, and a	7 0	17.25	27	19 58							24.74	15	14.24		200			18 8	3	2,1
He market (access/prices)  31 9.78 12 10.05 50 9.88 35 13.36 12 6.15 24 12.63 26 8.23 1 4.35 5.17 10 8.55 23 33.31 163 32.21 88 33.59 75 30.74 65 34.21 98 33.01 6 6.5 6.09 17 2.9 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0	He market (access/prices)  31 9.78 19 10.05 50 9.88 35 13.36 15 6.15 24 12.63 26 8.23 1 4.35 3 5.17 10  31 9.78 10 31.55 63 33.33 1.8 10 3.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	the market (access/prices)         31         97.8         120         74.7         120         120         121         120         121         120         121         120         121         120         121         120<	coffee+	24.5	76.37	127	72 40							64.74	256	14.24		3.04			75 21	15.2	13 6
31         9.78         19         10.05         50         9.88         35         13.36         15         6.15         6.15         24         12.63         26         9.18         35         13.36         15         9.43         19         10         29         9.48         35         19         10         29         9.18         4         17.39         25         9.18         19         10         10         29         9.18         4         11.97         10         8.55         13         10         10         29         9.18         4         11.97         10         11.97         16         10         10         29         9.18         4         11.97         10         8.55         23         10         10         29         9.18         4         11.97         10         10         10         10         29         9.18         4         11.97         10 </td <td>31         9.78         19         10.05         50         9.88         35         13.36         6.15         2.4         12.63         26         8.23         1         4.35         3.17         10         10         31.5         6.33         33.33         16.33         35.21         88         35.43         10         20         9.18         4         17.39         3         5.17         10           10         31.55         6.3         33.33         16.3         33.59         75         30.74         6.5         34.11         6         26.09         17.39         3         5.17         14           10         31.55         6.3         33.33         16.3         33.59         75         30.74         6.5         34.11         6         26.09         17         29.31         34</td> <td>31         9.78         10         9.88         35         13.36         15         6.15         24         12.63         26         8.23         1         4.35         3.17         10           100         31.55         6.3         33.53         163         32.21         88         33.59         75         30.74         65         34.21         98         31.01         6         26.09         17         29.51         14         33.59         75         30.74         65         34.21         98         31.01         6         26.09         17         29.31         34         3</td> <td>e ellecti nges in the market (access/nrices)</td> <td>747</td> <td>ŧ. e.</td> <td>13/</td> <td>(t-:4)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>04:/4</td> <td>067</td> <td>10.10</td> <td></td> <td>0.30</td> <td></td> <td></td> <td>13.61</td> <td>701</td> <td>72.3</td>	31         9.78         19         10.05         50         9.88         35         13.36         6.15         2.4         12.63         26         8.23         1         4.35         3.17         10         10         31.5         6.33         33.33         16.33         35.21         88         35.43         10         20         9.18         4         17.39         3         5.17         10           10         31.55         6.3         33.33         16.3         33.59         75         30.74         6.5         34.11         6         26.09         17.39         3         5.17         14           10         31.55         6.3         33.33         16.3         33.59         75         30.74         6.5         34.11         6         26.09         17         29.31         34	31         9.78         10         9.88         35         13.36         15         6.15         24         12.63         26         8.23         1         4.35         3.17         10           100         31.55         6.3         33.53         163         32.21         88         33.59         75         30.74         65         34.21         98         31.01         6         26.09         17         29.51         14         33.59         75         30.74         65         34.21         98         31.01         6         26.09         17         29.31         34         3	e ellecti nges in the market (access/nrices)	747	ŧ. e.	13/	(t-:4)							04:/4	067	10.10		0.30			13.61	701	72.3
31         9.78         17         8.89         48         9.49         25         9.54         17         10         29         9.18         4         17.39         3         3.17         4         11.97         16         17.39         3         3.15         3         3.21         8         3.54         1.59         3.54         1.59         3.14         10         29         9.18         4         11.97         16         11.97         16           100         31.55         6         33.21         8         33.21         8         30.74         6         5         31.01         6         26.09         17         29.31         34         29.06         73	31         9.78         17         8.99         48         9.49         25         9.43         19         10         29         9.18         4         17.39         3         5.17         14	10   10   10   10   10   10   10   10	niges in the market (access/prices)	3.1	82.0	10	10.05	ı						12.63	36	8 23		4 35				23	10 0
10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 31.55 6.0 20 21.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	100 31.55 6.3 33.33 16.3 21.21 88 33.59 75 30.74 6.5 34.21 98 31.01 6 26.09 17 29.31 34 18 18 13.51 6.0 82 43.16 16.3 51.58 12 52.17 35 60.34 59	offer	31	0 70	17	00.07 8 00							10,10	20	0.23		7 30				27	7 6.91
7	55 18:57 /T 60:02 0 10:15 26 17:95 00 50:05 20 1	155 48.9 90 47.62 245 114 43.51 131 53.69 82 43.16 163 51.58 12 52.17 35 60.34 59	בוובנו	1000	31 55	77	20.00							24 21	0.0	21.01		6.00				73	2.4.7
OC CTCL CT CTCC CC C		155 48.9 90 47.62 245 48.42 114 43.51 131 53.69 82 43.16 163 51.58 12 52.17 35 60.34 59	t .	100	31.33	50	33.33							34.21	200	31.01		6.09				5/ 50	34.7

1 October 1 Octo	90	200				1				777	2:5	1							200	5
3 No effect 4 Negative effect	444	14.86								24	13.64	92	21.31					23.42	30	15.2
A Negative effect	49	16.55	26	14.05	75 15	15.59	29 11.69	94 46	19.74	19	10.8	26	18.36	3 13	13.64	12 21.05	20	18.02	25	12.69
A Adomtion of climate reciliant crons	9	2.03								4	2.27	6	2.95					1.8	9	3.0
4 Mot applicable	211	11 11		06 73						143	17 10	403	76 63					6 6	140	7.47
2 Positive effect	44	14.97							19.31	19	10.86	192	20.13					19.27	33	16.6
3 No effect	28	9.52	23		51 10	10.67	22 8.98	8 29		12	98.9	39	12.87	4 18	18.18	10 17.86	5 15	13.76	15	7.58
4 Negative effect	11	3.74	1						e	1	0.57	11	3.63					3.67	2	1.0
C.11.5 Any other factors (related to the project)  1 Not applicable	194	67.13	128	68.82						126	71.59	196	65.55					42.34	170	87.6
2 Positive effect	42	14.53	L							13	7.39	48	16.05					26.13	9	3.0
	52	17.99	39		91 19	19.16	48 19.35	5 43	18.94	37	21.02	54	18.06	3 13	13.64	18 32.14	35	31.53	18	9.28
4 Negative effect	1	0.35	0	0	1 0					0	0	1	0.33					0	0	٥
C.11.6 Any other factors (unrelated to the project)	10,	97.40								5	70.00	204	10			į		40.04	L	9
I Not applicable	101	33.8	26	30.11	153 32	32.35	38.87	57	34.96	50	28.74	103	34.45	6 27	31.82	22 40	2 05	19.82	54	27.84
	82	28.57								95	32.18	98	28.76			30		34.23	20	25.7
4 Negative effect		2.44							Ш	5	2.87	4	1.34			e		0.0	5	2.5
Does your household have access to seasonal weather forecasts?		1					1					9,		-				9		
1 Yes	132	54 95	97	53.89	229 48	51 59	36 57 63		54.43	88	52 07	148	48.68	14	2 %	00 00		52.68	107	53.23
99 I don't know	25	20.10					26	8		22	0.30	12	76176	0 60		3	5	70.71	10	1
C.12a Does your household use this climate information?																				
l Yes	93	70.45		74.23		72.05	72 72		72.09	59	72.84	106	71.62		85.71	7 81.82		74.58	58	61.7
99 I don't know	186	66.67	92		278		162	116		110	OT: //	168	70.30	9 6		25	58	74:67	117	Ŕ
C.12b In what way do you use these seasonal weather forecasts? [Select all that apply]	elect all that a	[Aldde										C							L	
1 To decide on the timing of planting and harvesting	41	12.89	39	20.63			36 12.98		$\perp$	22	11.52	28	18.35			18.97	18	15.38	35	16.5
3 To decide on the most suitable cultivation technique	25	7.86		16.4						25	13.09	31	9.81					9.4	35	16.5
4 To make other preparations	45	14.15		17.99	79 15	15.58	35 13.36	9 44	17.96	36	18.85	43	13.61	5 21	21.74	13 22.41		25.64	23	10.9
99   don't know C.13/14 BI OCK	7	0.63	0	0				7		I	0.52	I	0.32			0	I	0.85	I	0.4
1 Crop production for household consumption																				
Applied in 2014	48	15.09	31	16.4	79 15		26 9.92	2 53	21.63	25	13.09	22 :	17.09	5 21	21.74	13 22.41	19	16.24	32	15.17
2 Crop production for sales/income-generation	77	12.69		17.40		14.0				/7	14.14	/#	14.07					17:07	30	14.7
Applied in 2014	113	35.53	69	36.51	182 3	35.9	77 29.39	9 105	42.86	39	20.42	143	45.25	14 60	78.09	27 46.55	5 47	40.17	99	31.28
Applied III 2011 Production of animals and animal products	109	34.20					Ř		74	04	20.34	143	49.23			\$		30.40	00	37.76
Applied in 2014	130	40.88	80	42.33	210 41		99 37.79	9 111		61	31.94	149	47.15	16 69	.57	67.24	1 53	45.3	61	28.9
Applied in 2011	107	33.65				35.11	85 32.44		37.96	44	23.04	134	42.41	12 52	.17	28 48.28		36.75	59	27.96
4 Agricultural worker (casual, seasonal, permanent) Applied in 2014	86	30.82					31			19	31.94	88	27.85					26.5	99	31.2
Applied in 2011	66	31.13	20	26.46	149 29	29.39	85 32.44	4 64	26.12	65	34.03	84	26.58	9 26	56.09	22 37.93	32	27.35	64	30.33
5 Other on-farm work		1								;		9				·			,	
Applied in 2014 Applied in 2011	19	4.4	19	10.05	33 6	6.51	19 7.25 16 6.11	1 17	8.16	11	5.76	22 28	8.86 6.96	1 1	4.35	6.9	12	11.11	12	5.69
6 Skilled labour (capentry, metal work etc												'								
Applied in 2014 Applied in 2011	9	3.14		3.7	17 <b>3</b>	3.35	9 <b>3.44</b>	4	2.86	∞ ∞	4.19	0 8	2.53	7 7	8.7	1.72	9 9	5.13	2 6	2.84
Fishing												1							j	
Applied in 2014	43	13.52	28	14.81	77	14 70	46 17.56	25	10.2	19	9.95	52	16.46	2 17	17.39	9 15.52	16	13.68	31	14.69
8 Small business activities	P	71.17								/7	tri tri	P	CT-CT-CT-CT-CT-CT-CT-CT-CT-CT-CT-CT-CT-C		ţ.	3		10.01	10	
Applied in 2014	105	33.02			156 30	30.77	67 25.57	7 89	36.33	89	35.6	88	27.85	8 34	34.78	21 36.21	40	34.19	50	23.7
Applied in 2011  9 Formal employee	104	32.7	40	24.34						93	37.38	8/	27.53			ñ		31.62	48	777
Applied in 2014	15	4.72	11	5.82	26 5	5.13	9 3.44	4 17	6.94	11	5.76	15	4.75	1 4	4.35	8 13.79	5	4.27	10	4.74
Applied in 2011	16	2.03	6	4.76		1.93				10	5.24	15	4.75		35	E		4.27	6	4.2
Applied in 2014	3	0.94	2	1.06	5 0	0.99	1 0.38	8	1.63	5	2.62	0	0	0	0	0	0 2	1.71	3	1.42
Applied in 2011	2	0.63	1	0.53		.59				60	1.57	0	0	0	0			0.85	2	0.9
Applied in 2014	40	12.58		14.29			12			25	13.09	42	13.29		19.			8.55	27	12.3
Applied in 2011	33	10.38	23	12.17	56 11	11.05	26 9.92	2 30	12.24	18	9.45	38	12.03	2	8.7	3 5.17	6	7.69	24	11.37
12 Non-timber forest products	C	c	C	-	0	c				C	c	C	-	c	-			0	C	
Applied in 2011	0	0	0 0	0	0	0 0	00	0	0	0 0	0	0 0	0	0 0	0 0	0	0	0	0	0
13 Other off-farm work																				

Number of activities 2014							2													
7 - 2							7			•		•						•		
7 - 2	2.46		2.4		2.44	2.	2.26	2.63	7) 00	2.24		2.56		3.09		2.91	2	2.56	2.16	
7 - 7																				
7 7 7	2		2		2		2	2	2	2		2		co ;		m ;		2	2	
7 7 7	2.28		2.31		2.29	2	2.14	2.4.	2	2.13		2.39		2.61		2.71	2	.37	2.05	
7 7 7	0.18		0.09		0.15	0.	0.12	0.18	8	0.11		0.17		0.48		0.21		0.2	0.1	
1   1																				
7	44	13.84		17.46		119					6.81	64	20.25		34.78		4.14			12.
2 Adjustment of planting times	35	11.01	32	16.93	67 13	13.21	27 10.31	31 40	0 16.33	15	7.85	52	16.46	80	34.78	12 2	20.69	19 16.24	4 22	10.43
	-					ļ							2,70							į
	34	10.69	9	21.16	74	14.6	32 12.21	21 42	2 17.14	27	10.99	53	16.77	0 4	17.39	13 2	22.41	16 13.68	29	13.74
m																				
П	21	9.9	24	12.7	45 8	888	24 9.16	16 21	1 8.57	15	7.85	30	9.49	4	17.39	7 1	12.07	13 11.11	1 11	5.21
C.16 Introduced in the last three years	24	7.55		13.76		98'					9.42	32	10.13		21.74		5.52			9
4 Casual labour	185	18.18		51.85							56.54	175	55.38		60.87		3.45			
	174	54.72	100	52.91	274 54	54.04	154 58.78	78 120	48.98	107	56.02	167	52.85	13	56.52	31 5	53.45	60 51.28	8 105	49.76
5 Home-gardening																				
	27	8.49	21	11.11	48 9	9.47	22 8.4	1.4 26	10.61	00	4.19	40	12.66	7	30.43	8	13.79	8 6.84	4 19	
C.16 Introduced in the last three years	28	8.81		10.58		1.47					4.19	40	12.66		56.09		5.52			
C 15 Applied in 2014	18	99.5		10.58		7.5					5.76	27	8 54		17.39		6.9			
	18	2.66	19	10.05	37	7.3	19 7.25	25 18	8 7.35	10	5.24	27	8.54	. 2	21.74	. 2	8.62	9 7.69	01 10	4.74
7																				
C.15 Applied in 2014	18	5.66	28	14.81	90 20	2 69	19 7.25	25 27	7 11.02	21	10.99	25	7.91	7	30.43	7 7	12.07	12 10.26	90 16	7.58
oc	74	†		13.23		60.					o D:	77	0.90	0	50.03		70.0			
C.15 Applied in 2014	62	19.5		28.04		.68					17.28	82	25.95		56.52		1.03			14.
	99	20.75	52	27.51	118 23	23.27	57 21.76	76 61	1 24.9	51	26.7	29	21.2	11	47.83	16 2	27.59	24 20.51	1 37	17.54
6																				
C.15 Applied in 2014	69	21.7	77 77	11.64	91 17	17.95	55 20.99	36 36	7 15.1	18	9.42	73	23.1	9 9	26.09	12 2	20.69	10 16 24	25	11.85
0	3											2								
C.15 Applied in 2014	06	28.3	40	21.16	130 25	25.64	80 30.5	.53 50	0 20.41	. 56	29.32	74	23.42	10	43.48	19 3	32.76	35 29.91	1 54	25.59
C.16 Introduced in the last three years	98	27.04		19.58		1.26	73				28.27	69	21.84		43.48		1.03			23.
C 15 Applied in 2014	15	4.72	9	3.17		14			4.08		5.76	01	3.16	2	8.7		3.45			
$\overline{}$	18	2.66		2.65	23 4	4.54	11 4	4.2 12		12	6.28	11	3.48	2	8.7	1 60	5.17	4 3.42	2 12	5.69
O.																				
C.15 Applied in 2014	125	39.31	46	24.34	171 33	33.73	20 34.73	73 80	32.65	28	30.37	113	35.76	17	73.91	37 6	63.79	37.61	1 45	21.33
m	G.	67:67		66:67		101					19:67	6	6.07		60.7		00.6			
	102	32.08	99	34.92	168 33	33.14	94 35.8	.88	4 30.2	75	39.27	93	29.43	13	56.52	20 3	34.48	33.33	3 54	25.59
	101	31.76		35.45		1.14	35				39.79	92	29.11		56.52		4.48			24.
Median	2		2		2		2		2	2		2.5		4		m		2	2	
П	2.58		2.66		2.61	2.	2.68	2.53	0	2.36		2.76		4.7		3.36	2	2.73	2.11	
X.5 Introduced over the last three years										•									•	
Median	2.39		2.62		2.48	2	2.54	2.41	7 -	2.43		2.51		4.35		3.07	2	2.48	2.06	
C.17/18 BLOCK																				
-	•								ľ				·							
C.17 Applied in 2014	7 7	0.31	x) =	0.53	2 2	0.39	2 0.76		0.82	0 0	1.05	00	0	0	6.35	0	T./2	1 0.85	2 0	0.47
2																				
	4	1.26	70 0	2.65	9 1	1.78	7 2.67		2 0.82		2.62	4	1.27	1	4.35	m (	5.17	3 2.56	6 2	0.95
C.18 Applied in 2011 3 Pie-raising with bio-bedding	2	0	7	T:00		.39	7		0	7	0.52	T	0.32	0	-	5	9			
C.17 Applied in 2014	21	9.9	c.	1.59		.73	17 6.4	19	7 2.86		0	24	7.59	7	30.43		7.24			0.47
	4	1.26	1	0.53	5 0	0.99	4 1.53	23	1 0.41	2	1.05	33	0.95	1	4.35	2	3.45	2 1.71	1 0	
4	ç	2.14	-	1.0		36					0.3	4	2	·	0 1					
C.17 Applied in 2014 C.18 Applied in 2011	10	1.26	3 (	1.59	7 1	1.38	4.2		3 1.22	9	3.14	0 11	0.32	1	4.35	7 4	6.9	2 1.71	1 0	
2																				
C.17   Applied in 2014	95	19.5	43	22.75	105 20	13.61	51 19.47 31 11.83	47 54 83 38	22.04	34	10.47	71	15.51	13	30.43	7	31.03	25 21.37	34	16.11
9	3											2			2					
C.17 Applied in 2014	39	12.26	41	21.69	80 15	15.78	32 12.21	21 48	8 19.59	24	12.57	99	17.72	9	56.09	8	13.79	20 17.09	9 37	17.54

Comparison   Com	Number of activities 2014         0           Median         0.43           Number of activities 2011         0.43           Median         0.25           Mean in mean number of activities (C.13-C.14)         0.19           Mean change         0.19           Number of crops 2014         0.19           Median         1.23           Median         1.23           Median         1.18           Change in mean number of crops         0.05           Over the past three years, have anyone in your household held any loan?         0.05		0.54	0.0	0 2	0.46		0.49	3	0	0.51		1.3		1.84	0.5	2	0.35	
Section of the property of t	Median         0.43           Number of activities 2011         0.63           Median         0.25           Change in mean number of activities (C.13-C.14)         0.25           Mean change         0.19           Number of crops 2014         0.19           Median         1.23           Median         1.23           Median         1.18           Change in mean number of crops         0.05           Over the past three years, have anyone in your household held any loan?         0.05		0.54	0.4	7	0.46		0.49	3	0.42	0.51		1.3		1.84	0.5	2 2	0.35	
No. 10.0000000000000000000000000000000000	Mumber of activities 2011         C-43           Median         0           Mean         0.25           Change in mean number of activities (C.13-C.14)         0.19           Mean change         0.19           Nextlan         1.23           Mean         1.23           Mean         1.23           Mean         1.18           Change in mean number of crops         0.05           Over the past three years, have anyone in your household held any loan?         0.05		40.0	4.0	,	0.40		0.49	_	7.47	0.31		C:1		7.04	6	7	0.33	
Note that the property of th	Median   0.25																		
No. 10.0000	Mean         0.25           Change in mean number of activities (C.13-C.14)         0.29           Mean change         0.19           Munber of crops 2014         1           Meal on Number of crops 2011         1.23           Meal on Munber of crops 2011         1           Meal on Crops 2011         1           Meal on Crops 2011         1           Occor in mean number of crops         0.05           Over the past three years, have anyone in your household held any loan?         0.05		0		0	0		0		0	0		1		0		0	0	
Note that the probability of t	Change in mean number of activities (C.13-C.14)         0.19           Mean change         0.19           Muniper of crops 2014         1           Meal         1.23           Muniper of crops 2011         1           Meal         1.18           Change in mean number of crops         0.05           Over the past three years, have anyone in your household held any loan?		0.42	0.3	1	0.27		0.35	0	7.27	0.34		0.7	1	36	0.3	1	0.3	
Control Cont	Mean change         0.19           Median         1.23           Mumber of crops 2011         1           Median         1.13           Median         1.18           Change in mean number of crops         0.05           Over the past three years, have anyone in your household held any loan?																		
1	Median         1.23           Number of crops 2011         1.23           Median         1.18           Mean         1.18           Change in mean number of crops         0.05           Over the past three years, have anyone in your household held any loan?		0.12	0.1	9	0.19			9	7.15	0.17		0.61		.48	0.2	1	0.02	
Particular   Par	Mean         1.23           Number of crops 2011         1           Median         1           Mean         1.18           Change in mean number of crops         0.05           Over the past three years, have anyone in your household held any loan?		1		1	0		1		0	1		1.5		1		1	1	
State   Stat	Median Median Median Mean mean number of crops Change in mean number of crops Over the past three years, have anyone in your household held any loan?		1.45	1.3	2	1.14		1.5	0	7.85	1.58		1.59	- 7	1.53	1.4	4	1.18	
Comparison   Com	Mean 1.18 Mean Change in mean number of crops 0.05 Over the past three years, have anyone in your household held any loan?		,			,		,					,		-			,	
	Change in mean number of crops  Change in mean number of crops  0.05  Over the past three years, have anyone in your household held any loan?		131	1.2	1	1 06		1 11		0 0	1 10		1 15		1 37		1	1 08	
Control   Cont	0.05 Over the past three years, have anyone in your household held any loan?		1.31	7:7	2	7.00		7:47	9	,,,,	1.42		Q+.4		) C	7.3		4:00	
Note the preparation of the pr	Over the past three years, have anyone in your household held any loan?		0.14	0.0	6	0.08		0.09	0	3.08	0.08		0.14	7	3.16	0.0	2	0.11	
Note that the section of the secti																		i	
	173	54.75				135	52.12			. 43 . 73				82.61				138	33.97
	7	49.29				33	47.00			Ŕ				17.39				130	000
No. 10.0000000000000000000000000000000000															1				
	59	18.55				54	20.61		10.41					30.43					16.59
Note the confidence	92	28.93				09	22.9		10.41					52.17					8.5
Note that the control of the contr	A money lender (with interest)	11.32				25	9.54		9.39					13.04					;
	ends or neighbours	4.4				14	5.34		2.86					21.74					1.42
Procupation control		1.20		1.39	7.30	0	1.31		0.02					0					1
Designation of the signature of the si	36 36	20.93				25	18.94							31.58					5.88
	Investment in other agriculture 50	29.07				41	31.06							31.58					44.1
	Investment in off-farm activities (small business) 49	28.49				34	25.76							21.05					19.1
	Enhancing house/property 17	9.88				11	8.33							10.53					14.7
Comparison between the tender with of the contained between the	Medical care/emergencies	5.81				10	7.58							0					4.4
	other personal use	5.81				11	8.33							5.26					11.7
	99 I don't know C 31c Concerning the outcomes of having this loss which of the following statement	monte ann	IIIS	9	1 nucl	130		131		710	151		4		13	4		143	
	1 I have been able to earn more money.	25.16	37 15	5		09	22.9		3.27			L		50.87	38				11.37
	51	16.04				34	12.98		4.69					17.39	33				
	I have been able to adopt climate-resilient activities.	2.83				00	3.05		2.86					4.35	12				1.4
Note that the properties of	4 I have not been able to repay my loan on schedule.		17			25	9.54		9.39					8.7	12				8.06
1	How would you describe your household's ability to address climate risks		73	table	tre	all?									1				
		7.47				24	10.76		6.67					18.18	9 5				6.4
		0.1.0 40 93				901	48.88		8 22					9.09	\$   5				51.3
Which college parameters best describes your boundaries best described your boundaries best		200				39	200		77.0					2	3				1
1 Over the part form year own begin graphed and mongst charged that more the part of year own begin graphed and more than the perpended for channed that we were to 3 1 2 2 2 5 3 3 7 1.33 1 2 3 5 1.33 1 2 3 5 1.33 1 2 3 5 1.33 1 2 3 5 1.33 1 2 3 5 1.33 1 2 3 5 1.33 1 2 3 5 1.33 1 2 3 5 1.33 1 2 3 5 1.33 1 2 3 5 1.33 1 2 3 2 3 3 1 3 1 3 1 3 1 3 1 3 1 3 1	Which of the following statements best describes your household?																		
2 Over the tony less part of the time sheet not belief protective the tent belief beli	29	22.95				20	21.28			22				65.22				33	16.84
Name the following than we were for 15 and 4.55 and 15 shade and 15 sh		72.6				172	73.19			89				34.78				150	76.5
National parameter   Nationa	less prepared for climate change than we were for	4.45				13	5.53			6				0				13	9.9
1	C.23a In your view, to what extent has the ICAM project (which included Care WU)	VU, DARD,	DONRE, CCR	a ro	:≣	provement		C.		G					•			G .	
Parchitecrole amongst others   2   2   2   2   2   2   2   2   2	1 Main positive role	30.91	8			17	37.78							53.33				2	
No circle change distance of the contribute dist	role amongst others	45.45				16	35.56							46.67				2	8
Howepened by your household to handle a disater?   10   3.14   10   5.35   20   3.56   11   4.21   9   3.66   12   5.35   9   3.61		23.64				212	26.67							0				186	∞
How prepared by your household to handle a disaster?   15   15   15   15   15   15   15   1	SK REDUCTION														2				
1 Very prepared 1 Size and 1 Size and 2 Size	How prepared is your household to handle a disaster?																		
Signature discription of the continue statement based of the continue stat	10	3.14				11	4.21		3.69					39.13				m i	1.4
Second column   Second colum	97	30.5				986	32.95		20.43					26.09				70	33.3
Compared to four theorems   Compared to four the filter theorems   Compared to four the four theorems   Compared to four the four theorems   Compared to four the four	155	17.61				122	46.74		2/.01					34.78				76	1.05
Compared to four years ago, is your household today more or less able to handle a disaster?   25,8   31,76   25,88   31,76   31,77						1	Cont							2				1	2
Mortagle   27.6   6.5   2.5	Compared to four years ago, is your household today more or less able to	handle a	disaster?																
2 No change	98					81	31.76							65.22					24.39
Second   S	e 208	66.88				158	61.96							34.78					66.3
Main positive role amongs other state CARE project played a role behind this improvement?   1   Main positive role amongs other state manuals beliable at the case of the ca		5.47				7	9.77							5					9.2
Main positive role amongst others   28   40   13   25   41   33.61   10   20.77   21   36.84   12   23.53   29   40.85   6   40   13   46.43   19   54.29   29   29   29   29   29   29   29	, to what extent has the CARE project played a role behind this	is improve	ement?		7	`		4		0	0		0		T		7	٥	
2 Positive role amongst Others	le 28	40	13		Ш	20	30.77	Ш		Ш		Ш	9	40	Ш			2	5.41
3   3   3   3   3   3   3   3   3   3	Positive role amongst others	24.29				19	29.23						6	09				9 00	16.2
Which of the following statements have shaded as a second	52	35./1				197	04						) «	0				177	/8.3
	following statements hest describes your household?		707	30		101		700		110	C+7		0		20	o l	7	1/1	

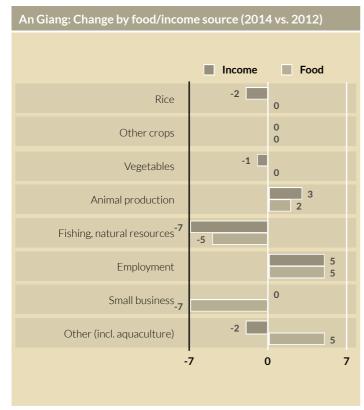
Control cont	T WE HAVE HOLDING HOLDING TO PIEDATE TO A GISASTEL OF EITHER BY					l		l						l			1			-	
The control of the co	2 We have not done anything to prepare for a disaster or emerge		7.86	`													9 0	10.34	10	8.55	15
The control of the co	We just recently began preparing for a disaster of emergency     We are prepared for a disaster or emergency		5.41														16	22.52	22	18.8	33
Substituting the state of the s	1 Are villagers usually warned ahead of a storm?																				3
0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 Yes	253	84.9						5.23		,	88		81			49	89.09	102	88.7	168
State   Stat	2 No	45	15.1						77.8					18			9	10.01	13	11.3	31
Particular control con	99 I don't know	20		10		30		15		15		13	1	7	0		3		2		12
Particular properties which the particular properties which th	D.4.2 Does your village have a disaster response or emergency plan?																				
The control of the co	1 Yes	174	68.5											29			39	85.98	73	72.28	124
The control of the co	2 No	80	31.5											32			∞	17.02	28	27.72	21
Particular control con	don't know	26		32		96		49	-	47	,	33	9	3	0		11		16		36
The contribution of the co	D.4.3 Does your village have an organized group that decides what to	do in disaster	s or eme	S.																	
State   Stat			56.41	$\perp$			.46		79.1		``	8	1			77.27	39		69	70.41	118
The contribute between the best of the contribute best of the contri			33.59				.54		3.38							22.73	10	20.41	29	29.59	25
The control of the co	99 I don't know	9		32		28		40	-	24	`	40	2	4	1		6		19		41
Continue	.4 Have villagers been trained to assist others in the event of a di																				
Sequence of the control between the control be	1 Yes		58.13				.12									90.48	35	72.92	26	73.79	123
Control   Cont	2 No		31.87				.88									9.52	13	27.08	27	26.21	22
Province the province of the p	99 I don't know	29		35		102		53	-	49	1	41	9	1	2		10		14		33
The control of the co	D.4.5 Does your community have evacuation routes?																				
The control proper at the control control proper at the control control proper at the co	1 Yes		32.47				.34							40		22	18		42	45.65	09
The control of the co	2 No		57.53				99.							29		20	25		20	54.35	114
The control of the co	I don't know			29		116		99	+	25		24	9	2	3		15		25		37
Control   Cont	Does your community have a shelter identified where people	9	ent of a c																		
No. Processes services and the control between	1 Yes						.45										23	20	4	44	23
	2 No						.55										23	20	29	26	115
Part	99 I don't know	29		23		90		44	+	46	`	49	4	1	33		12		17		23
No. of properties   1	Overall, how prepared is your community to handle a disaster?																				
Particular properties of the particular prope	1 Very prepared		9.92														m	6.25	15	13.89	21
State   Stat	2 Somewhat prepared		54.2														32	29.99	28	53.7	112
National part   National par	3 Somewhat unprepared		31.68														13	27.08	33	30.56	40
Control three pertra gold proper community today motive (per part of per par	4 Very unprepared	11	7.5														0 9	0	7	1.85	,
Compacted through the part and				97		78		45	+	3/	.,	35	4		5		70		η		31
More claring the c	to three years ago, is your community today more	임	andle a d													000				0000	
Control Cont			24.23													78.26	73	45.1	/9	60.36	123
State   Stat			12.96													17.39	788	54.9	43	38.74	79
Part	3 Less able		78.7	j c												4.35	1 0	>	7	6. 6.	n 2
Month politic to the company of the control of th	D	Jed Care Will		٦	10	hind	inne	C+uomo		07	`	77	7	, A	5		`		D		7.7
Properties of the noncess of the normal points of t		23		?					m							29.41	00		21	36.84	7
Control Cont	2 Positive role amongst others															64.71	11		24	42.11	30
California Holyanoria   California   California Holyanoria   California   C	3 No role															5.88	33		12	21.05	19
Montrie by	I don't know								'		'						36		09		155
Singley, wideher deducted the control of the contro	GENDER																				
Single widned or concred by Si	What is your civil status?								H	H	L		L	L				ŀ	H	H	H
Single widewed or forced by Single widewed by Single widewed or forced by Single widewed or forced by Single widewed or forced by Single widewed by Si	1 Married		4.59													86.96	49	84.48	109	93.16	180
Only women         All states with to do with family income?         All states with to do with family income.         All states with to do with family income.         All states with to do with with family income.         All states with to do with with family income.         All states with to do with with family income.         All states with to do with with family income.         All states with to do with with family income.         All states with to do with with family income.         All states with to do with with family income.         All states with to do with with family income.         All states with to do with with family income.         All states with to do with with family income.         All states with to do with with family income.         All states with to do with with family income.         All states with to do with with with family income.         All states with to do with with with with family income.         All states with to do with with with with with with with with	2 Single, widowed or divorced		5.41													13.04	9	15.52	00	6.84	31
Mostly wenten gually worder equality converges and some guality and some guality and some guality worder equality equality worder equality equ																					
Mostly wenner with wenner wenner with wenner wenner wenner wenner wenner with wenner wenner wenner with wenner wenne	1 Only men		5.95				.91		2.73			L			8	15	5	10.2	5	4.59	36
Morey through the part of the	2 Mostly men		11.52				.73		3.45							20	5	10.2	56	23.85	20
Myotkywenen Ag	3 Men and women equally		3.42				.15		3.45							30	16	32.65	18	16.51	38
Only women bettings or activities in the village?  3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 Mostly women		29				.94		1.55							15	13	26.53	31	28.44	38
Indion't know that the willieg of a table and where (road roads)	5 Only women		10.11				.27		3.82							20	10	20.41	29	26.61	48
According to match the fill the fi	99 I don't know	49		13		62				20	,	35	2	7	3		9		80		31
Orly men         Mostly women equally men         6         2.26         5.1         2.91         4.82         3.6         1.842         3.6         1.842         3.6         1.842         3.6         1.842         3.6         1.842         3.6         1.843         3.6         2.844         4         2.0         4         1.633         3.7         3.443         3.6         2.844         3.6         1.843         3.6         3.4         3.6         3.4         3.6         3.4         3.6         3.4         3.6         3.6         3.6         3.6         3.6         3.6         3.6         3.6         3.6         3.	E.1.2attends meetings or activities in the village?																				
Mostly men mention of a size at the control of	1 Only men		2.26				.95		1.09							20	1	2.04	6	8.26	34
Men and women equality women         40         15.09         27         15.43         67         15.23         30         13.64         37         16.82         22         14.38         45         15.68         1         5         16.91         20.41         13         11.39         28           Mokstly women         104         39.25         12.57         126         28.64         66         30         60         27.27         29         18.95         97         33.8         6         30         18         9         38         6         30         18         9         18.95         9         33.8         6         30         18         9         18.95         9         33.8         6         30         18         9         33         8         18.84         9         34.95         32         11.77         9         32.94         32         33.84         9         33         33         34.15         34 <td>2 Mostly men</td> <td></td> <td>6.23</td> <td></td> <td></td> <td></td> <td>89</td> <td></td> <td>16:9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>20</td> <td>8</td> <td>16.33</td> <td>27</td> <td>24.77</td> <td>45</td>	2 Mostly men		6.23				89		16:9							20	8	16.33	27	24.77	45
Mostly women and where (fixed crops)?  22 27.17 2 2.286 77 17.15 36 16.36 41 18.64 26 16.39 51 17.77 5 2.28 5 12 24.69 27 17.75 36 16.39 51 17.77 5 2.28 5 12 24.69 27 24.77 29 1001/women and where (fixed crops)?  23 27.17 2 27.17 2 2.286 77 17.15 36 16.36 41 18.64 26 16.39 51 17.77 5 25 12 24.69 27 24.77 29 1001/women and where (fixed crops)?  23 27.17 2 27.17 2 2 2.28	3 Men and women equally		5.09				.23		3.64						1	2	10	20.41	13	11.93	78
Only women  22 27.17 5 2.86 77 17.15 36 16.36 41 18.64 26 16.99 51 17.77 5 5 24.77 5 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	4 Mostly women		9.25	L			64		30							30	18	36.73	33	30.28	40
confirmation which the properties what to plant, when and where (food crops)?  28   13.86   42   30.88   13.80   42   42   42   42   42   42   42   4	5 Only women		7.17				7.5		3.36							25	12	24.49	27	24.77	29
decidedes what to plant, when and where (food crops)?         28         13.86         42         30.88         70         20.71         36         21.95         37         18.67         2         13.33         5         12.5         18.88         41         33         28.45         37         16.67         2         13.33         5         12.5         18.41         37           Only men         36         17.82         49         36.03         35.25         43         26.13         4         26.67         10         25         28.41         33           Mostly wen         24         48.02         26.33         45.88         45.88         45.98         40         0         0         5         12.5         28.41         33           Mostly wen         24         11.88         2         1.47         26         7.69         13         7.43         5         4.31         21         34.6         0         0         5         12.5         8         9.09         8           Mostly wen         116         8         1.67         1.6         1.8         4.3         1.6         1.8         4.8         5.68         6           10 by wen	99 I don't know																6		00		35
Only men beneral broad which which who men beneral broad which when mad where (ask crops)?  28 13.86 42 36.81 36 42 36.81 42 26.12 42 24.14 27 23.28 43 26.13 44.59 44.5	E.1.3decides what to plant, when and where (food crops)?																				
36         17.82         49         36.03         86         25.15         43         26.21         42         24.14         27         23.28         66         44.59         7         46.67         10         25         25.841         33           97         48.02         42         30.88         40         45.98         80         45.98         40         44.59         7         46.67         18         45         34         38.64         46         46         46.67         18         45         34         48         49         44.59         7         46.67         18         46.67         18         46.67         18         46.67         18         46.67         18         46.67         18         46.67         18         46.67         18         46.67         18         46.67         46.67         18         46.67         46         46.67         46         46.67         46.67         46.67         46.67         46.67         46.67         46.67         46.67         46.67         46.67         46.67         46.67         46.67         46.67         46.67         46.67         46.67         47.67         47.67         47.67         47.67         47.67	1 Only men		3.86				.71	L	1.95							13.33	5	12.5	16	18.18	41
97         48.02         42         30.88         139         41.12         59         35.98         80         45.98         40         34.48         99         44.59         7         46.67         18         45         34         38.64         46           24         11.88         2         1.47         26         7.47         5         4.31         21         9.46         0         0         5         12.5         8         9.09         8           116         3.1         0.74         1.8         5.3         1.3         7.47         5         4.31         2.1         9.46         0         0         5         12.5         8         9.09         8           116         3.0         5.3         1.6         3.2         2.87         1.1         9.48         7         3.15         1.2         1.3         9         8         7           116         3.0         2.0         3.0         3.1         3.0         3.0         3.0         3.0         3.0         3.0         3.0         3.0         3.0         3.0         3.0         3.0         3.0         3.0         3.0         3.0         3.0         3.0	2 Mostly men		7.82				.15	L	5.22							26.67	10	22	25	28.41	33
24         11.88         2         1.47         26         7.49         1         7.49         6         4.31         21         9.46         0         0         5         1.25         9.09         8           116         12         1.46         1         0.74         1.89         1.4	3 Men and women equally		18.02				.12		86.9								18	45	34	38.64	46
17         8.42         1         0.74         18         5.33         13         7.93         5         2.87         11         9.48         7         3.15         2         13.33         2         5.68         6           116         116         53         29.77         66         20.92         34         22.08         37         12.08         27         30.34         39         17.26         3         17.65         3         17.65         37         17.65         37         37.3         37         37.3         37         37.3         37         37.3         37	4 Mostly women		11.88				69.		.93								5	12.5	∞	60.6	80
116         53         169         98         71         75         94         8         18         29         77           27         14.67         39         29.77         66         20.05         34         22.08         32         17.68         37         17.66         3         17.65         15         17.65         37	5 Only women		8.42				.33		7.93								2	ın	2	2.68	9
27         14,67         39         29,77         66         20,95         34         22.08         32         19.88         27         30,34         39         17.26         3         17,65         3         17,65         37           41         22.28         53         40,46         94         29.84         47         30,52         47         29,19         28         31,65         6         22,2         5         29,41         11         29,73         29         34,12         32	99 I don't know	116		53		691		86	-	7.1		75	9	4	8		18		29		2
Only men 27 14.67 39 29,77 66 20,95 34 22,08 32 19,88 27 30,34 39 17,65 3 17,65 6 16,22 15 17,65 37 Mostly men 41 22,28 53 40,46 94 28,84 47 30,52 47 28,19 28 31,46 66 29,2 5 29,41 11 29,73 29 34,12 32	4decides what to plant, when and where (cash crops)?																				
Mostlymen 41 22.28 53 40.46 94 22.84 47 30.52 47 22.19 28 31.46 66 29.2 5 29.41 11 25.73 29 34.12 32	1 Only men		14.67				:95		80.9							17.65	9	16.22	15	17.65	37
	2 Mostly men		2.28				84		-							77	**	12	000		

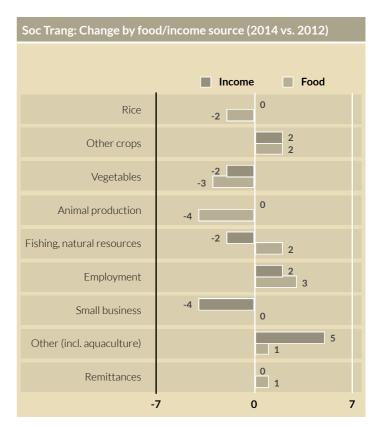
State   Stat	Mostly women	7.7	11.41	5	0	77	0.0	21	0.40								T	7.7		٠/٠	۵
Fig. 1 and the control of the contro	Only women	6	4.89	1	92.0	10	3.17	5	3.25						1	2.88	1	2.7	1	1.18	4
	I don't know	134		28		192		108		84	7	102		06	9		21		32		83
Notice recovery and the part of the part	Only men	28	12.61	47	30.92	75	20.05		21.62								7	15.22		.67	41
Maint in the content spanty   Section   Sect	Mostly men	51	22.97	52	34.21	103	27.54		28.11								14	30.43		1.33	35
State   Stat	Men and women equally	99	44.59	49	32.24	148	39.57		35.68						7 10	52.63	17	36.96	34 35	35.42	09
Continuo	Mostly women	27	12.16	2 0	1.32	29	7.75		8.11								4 4	8.7		46	00 1
Column   C	don't know	96	3	37	70.7	133	8		r i								12	à		1	, 09
No. 19, No.	prepares food?																				3
Control cont	Only men	13	5.75	34	22.82	47	12.53		13.48						1	6.67	4 1	9.09	∞ !	9.09	27
	Mostly men	39	17.26	39	26.17	78	20.8	$\perp$	23.03								, ;	15.91		89.0	32
Colony recommendation   Colo	Methand Women equally	32	14 16	70	33.0	27	28.0		8 99								77	2 6		2.5	17
	Only women	36	15.93	12	8.05	48	12.8		12.36								1 1	15.91		2.5	19
Part	I don't know	92		40		132											14				55
	cares for children?																				
Note the part of t	Only men	1	0.37	4	2.27	5	1.13		0.91								0	0		0	4
Part	Mostly men	1 (2	1.87	,	3.98	12	2.7		3.2								0	0 0		1.63	7;
Fig. 2   Fig. 2   Fig. 3   F	Moeth women equally	115	19.7	14	27.5	181	4.73		5.02							SI K	0 90	0 90		28 80	50
With foll of the following tattement best papeled to poor household?         20         1.5.6         6.1         1.1.6         2.0         1.5.6         1.0         1.1.6         1.0         1.1.6         1.0         1.1.6         1.0         1.1.6         1.0         1.1.6         1.0         1.1.6         1.0         1.1.6         1.0         1.1.6         1.0         1.1.6         1.0         1.1.6         1.0         1.1.6         1.0         1.1.6         1.0         1.1.6         1.0         1.1.6         1.0         1.1.6         1.0         1.1.6         1.0         1.1.7         1.0         1.1.6         1.0         1.1.6         1.1.7         1.0         1.0         1.1.6         1.0         1.1.6         1.0         1.1.7         1.0         1.0         1.0         1.1.7         1.0	Only women	140	52.24	85	48.3	225	50.68		50.68								23	46.94		3.7	101
While for the fine following state the spatial state place in the fine following state the spatial state place in the fine following state the spatial state place in the fine following state the spatial state place in the fine following state the spatial state place in the fine following state the spatial state place in	I don't know			13		63				Ш				Ш	3		6		6		31
Over the part three years, water three years, where the part three years, where the part three years, where the part three years, where three garden into tange in the water three years, where years is a second of the women in years of years. It was a second of the women in years of years. It was a second of the women in years of years. It was a second of the women in years of years. It was a second of years of years. It was a second of years of years of years. It was a second of years of years of years. It was a second of years of years of years. It was a second of years of years of years. It was a second of years of years of years. It was a second of years of years of years. It was a second of years of years of years. It was a second of years of years of years. It was a second of years of years of years. It was a second of years of years of years. It was a second of years of years of years. It was a second of years of years of years. It was a second of years of years of years. It was a year of years of years of years of years of years. It was a year of years of years of years of years of years of years. It was a year of years of year	Which of the following statements best applies to your househ																				
Control to part   Control to	Over the past three years, men have gained more influence in	20	7.55	31	17.92	51	11.64		12.5						0 7	0 8	w 6	6.12	22 11	11.01	18
Leg	Over the past three years, women have gained more influence	27	10.19	7	4.05	34	7.76		7.41								ţ m	6.12		1.76	1 2
First the remain energy of the part blunch that burners of t	I don't know	53		16		69											6				37
Charter better to the CARE project   2.2	What is the main reason for this change?																				
Charle flow through the workload off t	Factors related to the CARE project	1	2.22	0	0	1	1.27	0	0						0 0	0	0	0	1	2	0
Over the part of brownen in your 2013 of 101 of 2014 of	Other factors	4	97.78	34	100	78	98.73	40	100								5	100	19	95	28
No.     No.	l don't know	273				428		222		206	-	191	2	20	20		53		97		183
No.	Over the past four years, has the workload of the women in ye	75			26.86	122	27.54		30.45								17	34.69		.61	53
Charter beams   Charter beam	No	141		104	59.43	245	55.3		52.27							45	23	46.94		53.21	001
Market the through the CARE project this changes   59   13   54.28	Yes, it has decreased	52	19.4	24	13.71	92	17.16		17.27						5		6	18.37	22 20	.18	52
Charte fraction   Charte fra	I don't know	20		14		64		42		22		36		80	3		6		00		32
Interfactors   Inte	What is the main reason for this change?	0	7 38	,	2 00	11	2 23		707							000	2	2		o o	0
total rowner r	Other factors	113	92.62	65	97.01	178	94.18		95.96						10	90.91	23	88.46	46 9	90.2	74
Lack by the puri in village meetings?         1.67         2.11         7         1.46         1.59         3         1.39         3         1.39         3         1.39         1.39         1.30         1.30         1.30         1.30         1.30         1.30         1.30         1.30         1.31         4         1.467         6.5         35.71         1.00         2.	I don't know	196		122		318		П		Ш		Ш		П			32				137
Mostly mentioned   1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	takes part in village meetings?			,	,	1			C L								,	į,		•	
Notes and women equally   Secondary   Se	Only men Mostly men	2 44	14.67	7 29	35.71	100	22.61		18.25								12	70.69		35 0	45
Mostly women  Mo	Men and women equally	63	21	40	21.98	103	21.37		21.83						2 2	8.7	13	22.41	22 15	19.13	31
Charlet Name	Mostly women	180	09	73	40.11	253	52.49		55.95								32	55.17		.52	105
State   Control Name   Control Nam	Only women	∞ !	2.67	2	177	10	2.07		2.38								0	0		0	7
Only women         Only women         A.3         5         1.6         3.42         1.0         4.03         6         2.73         6         3.45         1.0         4.03         6         2.73         6         3.45         1.0         4.03         6         2.73         6         3.45         1.0         4.03         6         2.73         6         3.45         1.0         4.03         6         2.73         6         3.40         7         2.20         7         3.185         7         2.84         4         7         2.70         8         9         9         9         9         1.92         7         2.84         7         2.84         4         7         2.80         7         3.84         6         3.45         1.0         4         9         3.45         7         2.84         4         7         2.80         9         3.20         7         3.84         6         3.84         4         3         1.09         1.09         1.09         1.09         1.02         7         2.82         9         1.09         1.09         1.09         1.09         1.09         1.09         1.09         1.09         1.09         1.09         1	I don't know speake during village meetings?	18		_		25		10	-	15		11		4	0		0		2		17
Mostly men         Gg         21.88         87         48.33         150         32.05         79         31.85         71         32.27         68         39.08         82           Men and women equally         87         30.21         49         27.22         136         29.06         73         29.44         63         28.64         47         27.01         89           Mostly women         93         3.1         20.06         73         13.85         78         28.64         47         27.01         109         109         109         9         9         1.92         7         28.26         7         28.26         7         28.26         7         28.26         7         28.26         7         28.26         7         28.26         1.27         1.28         1.28         1.29	Only men	7	2.43	6	2	16	3.42		4.03		2.73					4.55	8	5.36		65	80
Mostly women         Mostly women         Age and women equally         87         30.21         49         27.22         136         29.06         73         29.44         63         28.64         47         27.01         89           Only women         122         42.36         3.5         19.44         157         7         2.82         7         31.85         7         35.45         48         7         2.83         7         10         9         10         39         1.92         7         2.83         7         1         7         2.83         7         1         2         0.91         1         7         2.83         7         1         2         0.91         1         7         2.83         7         1         2         0.91         1         2         0.91         1         2         0.91         1         2         0.91         1         2         0.91         1         2         0.91         1         2         0.91         1         2         0.91         1         2         0.91         1         2         0.91         1         2         0.91         1         2         2         2         1         1	Mostly men	63	21.88	87	48.33	150	32.05		31.85		2.27					9.09	16	28.57		97.5	57
Charle   C	Men and women equally	87	30.21	49	27.22	136	29.06		29.44		8.64				8 9	36.36	20	35.71	27 23	23.89	46
don't know   don	Mostly women	177	3.12	0	19.44	9	1.92	$\perp$	2.82		1.91					45.45	0	30.30		77	9
minthenees decisions about village affairs?         17         6.39         13         8.02         7.01         14         6.14         16         8         11.54         12           Mostly men         Mostly men         Mostly men         1.29         48.5         96         59.26         22.5         52.57         1.23         53.95         102         51         80         51.28         135           Mostly men         Mostly men         43         16.17         12         7.43         56         24.56         48         29         18.59         7         18.59         18.59         18.59         18.59         18.5	I don't know	30		6		39		Ш									2				23
Mostly wennen equally         17         6.39         13         8.02         7.01         14         6.14         16         8         11.54         17         13         17         13         17         13         15         12         18         13         11.54         13         14         15         18         18         18         13         14         15         18         18         13         14         15         18         16         18	influences decisions about village affairs?																				
Noestly women equally         70         26:32         34         20:99         104         24:3         56         24:56         48         24         29         18:59         75           Mostly women only	Only men Mostly men	129	6.39	13	20.8	30	52.57	123	53.95						ח ס	39.13	7 88	3.7	ν ου υ	2.83	27
Mostly women         43         16.17         12         74.1         55         12.85         26         11.4         29         14.5         26         16.07         29           10 dry komen         7         2.63         2         4.32         14         3.77         9         3.95         5         2.5         3         1.92         11           10 dry komen        makes decisions about village affairs?        makes decisions about village visa about village vil	Men and women equally	70	26.32	34	20.99	104	24.3	56	24.56							26.09	12	22.22		1.53	42
Only women         7         2.63         7         4.32         1.44         3.27         9         3.95         5         2.5         3         1.92         11           makes decisions about village affairs?         37         13.41         39         23.08         76         17.08         39         16.6         37         17.62         37         22.56         39           Only men         Mostly men         160         57.97         38         57.39         258         57.98         132         56.17         126         60         88         53.66         170           Men and women equally         54         19.57         25         14.79         79         17.55         44         18.72         35         16.67         25         15.24         54           Mostly women         20         7.25         1.81         3         1.8         6         25.56         10         4.76         17         54         57         13         1.8         54         1.8         1.8         56         1.8         1.8         56         1.8         1.8         2         0.95         1.8         1.8         1.8         2         2         2         2	Mostly women	43	16.17	12	7.41	55	12.85	26	11.4							13.04	7	12.96		60'	24
Mostly wene captions bout village affairs   22   23   24   45   25   25   25   24   25   25	Only women	7 5	2.63	7 1	4.32	14	3.27	6 5	3.95							8.7	0	0		68:	10
Only men         37         13.41         39         23.08         76         17.08         39         16.6         37         17.62         37         22.56         39           Mostly men         160         57.97         98         57.99         258         57.98         132         56.17         126         60         88         53.66         170           Men and women equally         54         19.57         25         14.79         79         17.75         44         18.72         35         16.67         25         15.24         54           Mostly women         20         7.25         4         2.37         24         5.39         14         5.96         10         4.76         13         13           Only women         20         7.25         1.81         6         2.55         1         1.81         1         6.71         13         1           Only women         42         2.25         2.3         1.8         6         2.55         2         0.95         3         1.83         5           All women         42         2         2         2         2         2         2         2         2	Loon Cknowmakes decisions about village affairs?	25		/7		6/		45		40		33		İ	5		4		7.7		\$
Mostly men and women equally \$ 54 19.57 2 14.79 79 17.75 44 18.72 35 16.67 25 15.24 54 Mostly women 20 7.25 18.37 24 5.39 14 5.96 10 4.76 11 6.71 13 Mostly women 5 1.81 3 1.78 6 2.55 2 0.95 3 1.83 5 Mostly women 42 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Only men	37	13.41	39	23.08	92	17.08	39	16.6	Ш				Ш		22.73	8	14.81		.48	51
Men and women equally         54         19,57         25         14,79         79         17,75         44         18,72         35         16,67         25         15,24         54           Mostly women         20         7,23         4         2,37         24         5,39         14         5,96         10         4,76         11         6,71         13           Only women         42         1,81         3         1,78         6         2,55         10         4,76         11         6,71         13           I don't know         42         20         20         25         27         35         27         35           Leprosents the village vis-à-vis the government?         20         20         25         27         <	Mostly men	160	57.97	98	57.99	258	57.98	132	56.17							40.91	37	68.52		.29	82
Only workers the village vis-à-vis the government?	Men and women equally	25 55	19.57	25	14.79	79	17.75	44	18.72							18.18	7 0	12.96		69.	37
I don't know   d	Only women	2 5	1.81	m 1	1.78	00	1.8	9	2.55						2 2	9.09	0	; 0	1 0	0.93	2 2
represents the village Vis-a-vis the government?	I don't know	42		20		62		27									4				29
49 17 44 55 31.25 104 22.76 54 22.98 50 22.52 54 32.93 50	represents the village vis-à-vis the government?	49	17.44	55	31.25	104	22.76		22.98								11	18.97		43	25
10 September 175 (6.2.8) 99 66.25 274 59.96 138 68.72 136 (6.1.86 91 49.39 193 65.87 136 (6.1.86 91 99 193 65.87 1	Mostly men	175	62.28	99	56.25	274	59.96		58.72						7 12	52.17	34	58.62	69	63.3	86

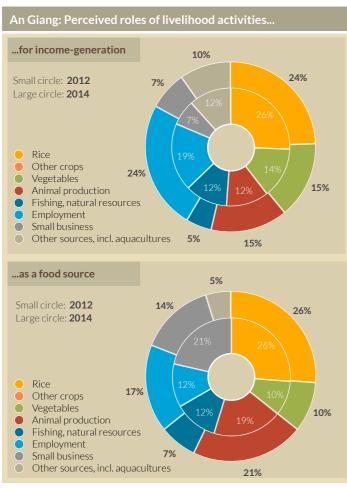
Men and women equally			77	3.00		70.														
4 Mostly women 5 Only women	16	1.42		0.57	5 1	1.09	3 1.28		3.6	3 10	1.83	2	3.41	1 1	4.35	8.62 0	9 0	97.8	4 4	2.12
99 I don't know			13									23					00		22	
controls village funds?												i					;			
Only men		15.85		19.32		71. 12					14.29	127	18.84				11	9.91	30	16.
Men and women equally		30.63	34 19			6.3					22.02	84	78.77		30.43		29	26.13	51.5	77.77
Mostly women	22	7.75			30 6	6.52	14 5.83	33 16	77.7	6	5.36	21	7.19	1 4		4 7.27	7	6.31	15	8.15
Only women		1.06				.65					1.79	0	0				0	0	m	1.6
99 I don't know	34		13						2	23		24		0		8	9		27	
conducts volunteer work?						-														
Only men	35 1	13.83		19.3		16.04	20 17.19		14.78		15.92	43	16.1			S C	17	17.11	39	22.03
Men and women equally		23.22	31 18			2 2					13.38	143	25.84		13.64		21	19.63	) N	24.5
Mostly women		2.77	1			2 8					3 82	2 9	2.25				1 00	2.8	٦,	2 2
Only women		0.79				.47					1.27	0	0				0	0	2	1
99 I don't know	- 65		18	1	83		41	42		34		49		1		0 80	10		34	
Which of the following statements best applies to your community?																				
Over the past three years, men have gained more influence in	44	5.33		16.76					ı	30	17.54	43	14.88			18.87	20	18.02	23	12.
Over the past three years, there has been no change in the war		75.26	133 76		349 75	75.87	176 74.58	58 173	3 77.23	127	74.27	222	76.82	17 73	73.91	38 71.7	79	71.17	149	79.68
Over the past three years, women have gained more influence	27	9.41								14	8.19	24	8.3				12	10.81	15	8.0
99 I don't know										20		27					9		24	
What is the main reason for this change?																				
Factors related to the CARE project		7.14	0	0						2	6.25	2	3.57	1			1	3.57	0	ľ
Other factors	52 9	95.86	32			95.45	47 97.92	32 37	7 92.5	30	93.75	54	96.43	4	80	11 84.62	27	96.43	25	100
99 I don't know	292				419					159		260		18	4		88		186	
COMMUNITY CAP{ACITY																				١
pose your village were to implement an activity that would	benefit the over	rall welf	are and cond	itions of th		that w	=	ng direct be	nefits to you	r household	. How likely is it that	is it that yo	ਰ	his	<u>ر</u> ۔					
y likely	53 1	7.26	34	2.28				90 -	7 19.26	76	14.21	19	19.68				25	21.74	33	19.3
Viewit:	7 /77	4 6	141	18.		74.65		υ .	75.5 180 75.71	051		217	70.32			4 //.TS	83	/Z.T/	144	7.53
lkely v unlibek	24	70.0	y c	100				2 0	0.13	9 6	3.20	/ /	1 20	5 0	<b>5</b> C		0 5	27.0	07	2
4 Very unlinery 2 1.00 2 1.00 3 4 Very dollinery 3 1.00 3 4 Very dollinery 3 1.00 3 5 1.00 3	0 1	06.70	7 6	00.			7 0	2 -	7 0.07	7 00		4 4	T. 62	0 0		2 6	7 0	0.0	0 0	-
To what extent do people in this village contribute towards making the village a better place to	king the village	a better	place to live?																	
To a great amount	77 2	26.28		.59						29	38.95	73	24.5				35	30.97	28	29.7
To a considerable amount	166 5	99.95	91 51		257 54	24.68	126 53.16	131	1 56.22	88	51.16	169	56.71	10 43	43.48	31 57.41	28	51.33	105	53.85
To a small amount		15.7								16	9.3	53	17.79				19	16.81	29	14.8
Not at all	4	1.37	0	0						1	0.58	CC)	1.01	0			1	0.88	m	1.5
99 I don't know	25		12		37	+	25	1	2	19	1	18	+	0		4	4		16	
Offen do vinagers get together to jointly request governmen	rent Omiciais or	Join Call	24 Dec 21	oc d	5	60				9	26.14	91/	17 00				31	15 30	90	200
eral times a vear	156	71.	113 70	200		45				8	64.71	170	65.89				71	68.27	106	69.7
ut once a year	20	7.97	9	1.75		6.33	14 6.54	54 12	6.09	11	7.19	15	5.81	1 4	4.55	3 6.38	11	10.58	5	2.96
than once a year or never	20	7.97	10 6	:25		7.3				33	1.96	27	10.47				9	5.77	19	11.2
99 i don't know 67 29 96	29	Н	59						П	38		28					13		42	
rall, how effective do you feel that engagement of villagers	s has been in ter	ms of ge	ting the gove	ernment to	된	ed act				Č	0100	,	2					61.0		1
C-tour	38 2	76.7	3/ /5	26.78						8 8	23.53	259	19.77					24.53	7 6	2 2
בופופ	46 1	8.18	27 16	27.		17.63	43 19.72	72 30	02.70	18	11.76	55	21.07	2	8.7	8 16.33	12	11.32	33	19.76
99 I don't know	65		78							38		55							44	
Which of the following statements best applies to your community	nity?																			
Villagers here are now working together more than three year	202 6	65.16		72.83	336 68	68.02	167 64.98	98 169	71.31	132	70.21	204	1.05	18 78	78.26	37 68.52	80	68.38	149	72.68
Over the past three years, the extent to which villagers work to		2.58	42 22							47	52	96	31.37				35	29.91	51	24.8
I don't know	80		5						П	3		10					0		9	
What is the main reason for this change?												į								
Factors related to the CARE project	22	12.5	8 5	6.45	30	10	13 8.61	51 17	7 11.41	6	7.63	21	11.54	5 27	27.78	9 25.71	15	19.74	1	0.79
Uther factors		6/.5			9 6					22	92.37	197	88.46				7.0	80.26	125	39.7
r the past year. did you participate in any community plann	ning meeting?		3		3		77	n		C		#CT		0	7		7+		8	
Yes		30.45	96 36		153 3	32.9	82 34.75	75 71	1 31	99	36.99	88	30.48	14 66	29.99	32 59.26	40	38.1	26	27.32
		9.55		63.07						109	63.01	203	69.52				9	61.9	149	75.6
99 I don't know	53	-	13		42		97	1	9	18		74		7	_	54	12		9	
In your view, who benefitted from the project?	ŀ	Н	H	H	H	ŀ	ļ	Ļ		Ī	i	i	H	H	ļ		Ī	i	l	ı
All households in the village		5.91								18	14.17	8	3.54				11	11.46	5	3.3
2 Most households in the village	81 3	36.82	46 34	34.59	127 35	35.98	99.36.46		61 35.47	44	34.65	83	36.73	6 27	1 72.72	18 35.29	34	35.42	99	43.24
w households in the village		5.45								62	48.82	133	58.85				49	51.04	20	51.3
4 Nobody in the village	4 4	78.1	) I							2 6	7.36	7 00	0.88				2 2	7.08	۶ ۲	7.0
Based on what criteria were households selected?	96		000		ħ.		70		0	ŧ	Ī	90		7			77		8	
								_					_		_				_	

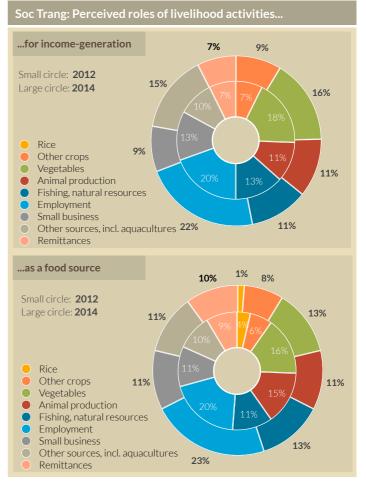
2 Near-poor households	74	23.27	37	19.58	111	21.89	59	22.52	52 21	21.22	41 21	21.47	70 22	22.15	9 39.13	31 16	27.59	33	28.21	46	21.8
3 Any other criteria	34	10.69	27	14.29	19	12.03	26	9.92		14.29		5.76		15.82					11.97	21	9.95
99 I don't know	18	5.66	19	10.05	37	7.3	19	7.25	18	7.35	11	5.76	26 8	8.23	0	9	5.17	4	3.42	24	11.37
G.1b Do you think that these criteria were fair?																					
1 Yes	130	69.52	71	71.72	201	70.28	114	76.51	87	63.5	74 81	81.32	127 65	65.13	16 84.21	34	75.56	28	77.33	79	67.52
2 No	22	30.48	28	28.28	82	29.72	35	23.49	50	36.5	17 18	18.68	68 34.87	87	3 15.79	9 11	24.44	17	22.67	38	32.48
99 I don't know	131		06		221		113		108		100	1.	121		4	13		45		94	
G.2 Over past three years, have you learned anything new from the CARE project?	e CARE pro	ect?																			
1 Yes	94	37.75	51	33.33	145	36.07	79	38.16	99	33.85	50 33	33.56		37.55	72.77 71.27	7 43	78.18		62:09	14	7.95
2 No	155	62.25	102	29.99	257	63.93	128	61.84	129 66	66.15	99 ee	66.44	158 62.45	45	5 22.73		21.82	37	34.91	162	92.05
99 I don't know	69		36		105		55		20		42		63		1	3		11		35	
G.3 To what extent do you currently apply what you have learned?	خ																				
1   I apply everything I have learned	25	26.88	17	33.33	42	29.17	24	30.77	18 27	72.72	13 26	26.53	29 30	30.53	7 41.18	8 14	32.56	15	22.06	9	42.86
2   1 apply most of what I have learned	36	38.71	22	43.14	28	40.28	28	35.9	30 4	45.45	18 36	36.73	40 42.11	11	8 47.06	61 19	44.19	29	42.65	2	14.29
3   I do not yet apply what I have learned, but plan to do so in the	18	19.35	7	13.73	22	17.36	15	19.23	10 15	15.15	8 16	16.33	17 17.	17.89	1 5.88	3	96.98	15	22.06	4	28.57
4   I do not apply anything I have learned	14	15.05	5	8.6	19	13.19	11	14.1	8 12	12.12	10 20	20.41	9	9.47	1 5.88		16.28	6	13.24	2	14.29
99 I don't know	222		138		363		184		179		142	2.	221		9	15		49		197	
G.4 What are the reasons why you did not apply some of the things you have learned?	ss you have	learned?																			
1 do not have the resources to implement the changes	48	15.09	27	14.29	75	14.79	42	16.03	33 13	13.47	26 13	13.61	49 15.51	51	7 30.43	3 17	29.31	43	36.75	9	2.84
2   I do not feel confident in applying new techniques	3	0.94	2	1.06	5	0.99	1	0.38	4	1.63	4	2.09	1 0.	0.32	1 4.35	5 1	1.72	1	0.85	1	0.47
3 do not want to put my livelihood at risk	5	1.57	1	0.53	9	1.18	2	9.76	4	1.63	3 1	1.57	3 0	0.95		0 2	3.45	2	1.71	1	0.47
4 do not know who to contact if I have problems with the new	3	0.94	0	0	3	0.59	2	92.0	1 (	0.41	0	0	3 0	0.95	0	0 2	3.45	1	0.85	0	0
5   I see no advantage in the new technique(s)	4	1.26	2	1.06	9	1.18	2	92.0	4	1.63	4	5.09	2 0.	0.63	1 4.35		3.45	3	2.56	0	0
6 Other																					
G.5 Do you think that the new techniques/strategies that you have learned are worth applying into the future?	e learned ar	e worth a	pplying into t	the future?																	
1 Yes, all of them	41	45.05	31	62	72	21.06	36	46.15	36 57	57.14	24	20	48 51.61		11 73.33	3 17	40.48	32	47.06	11	78.57
2 Yes, some of them	46	50.55	18	36	64	45.39	37	47.44	27 42	42.86	19 35	39.58	45 48	48.39	4 26.67	7 22	52.38	34	20	3	21.43
3 No	4	4.4	1	2	5	3.55	5	6.41	0	0	5 10	10.42	0	0	0	0 3	7.14	2	2.94	0	0
99 I don't know	227		139		396		184		182		143	2.	223		8	16		49		197	
G.6 Thinking of the most technique/strategy that is most important to you, do you think you will be able to apply	nt to you, do	you think	you will be	able to app		it into the future?															
1 Yes, on my own	39	43.33	27	57.45	99	48.18	34	45.33	32 51	51.61	19 40	40.43	47 52	52.22		20	51.28	52	40	11	73.33
2 Yes, with support from others	45	20	17	36.17	29	45.26	34	45.33	28 45	45.16	21 44	44.68	41 45	45.56		50 15	38.46	34	52.31	4	26.67
3 No	9	6.67	3	6.38	6	6.57	7	9.33	2	3.23	7 14	14.89	2 2.	2.22	0		10.26	5	7.69	0	0
99 I don't know	228		142		370		187		183		144	2	226		7	19		25		196	

## C. Livelihood analysis charts





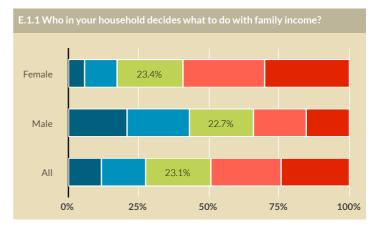


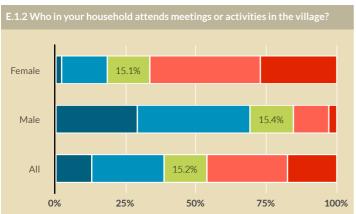


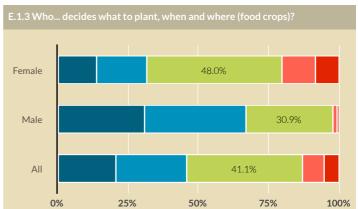
## D. Gender analysis charts

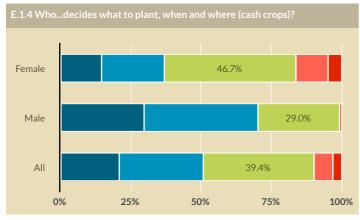
## Household roles



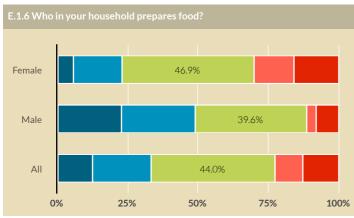


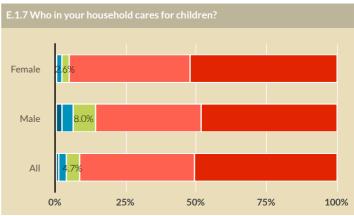






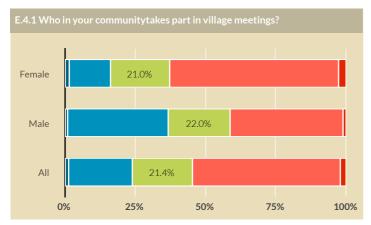


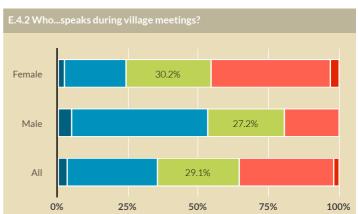


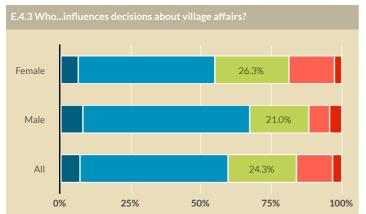


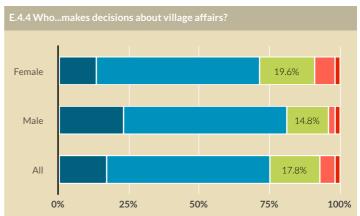
## Community roles

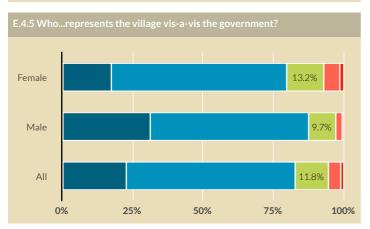


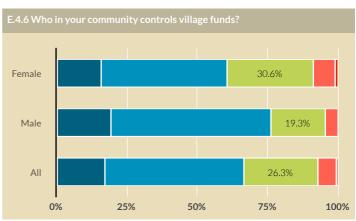


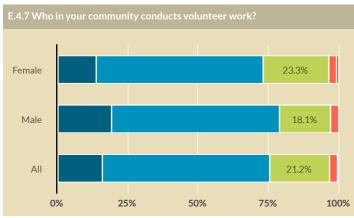


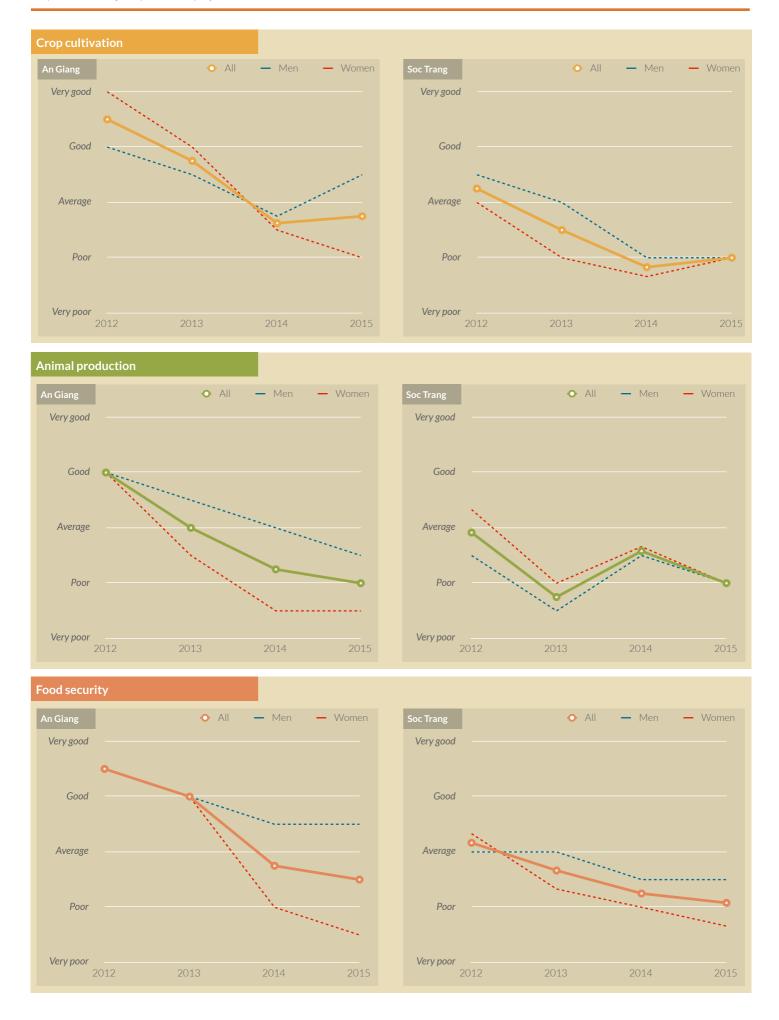


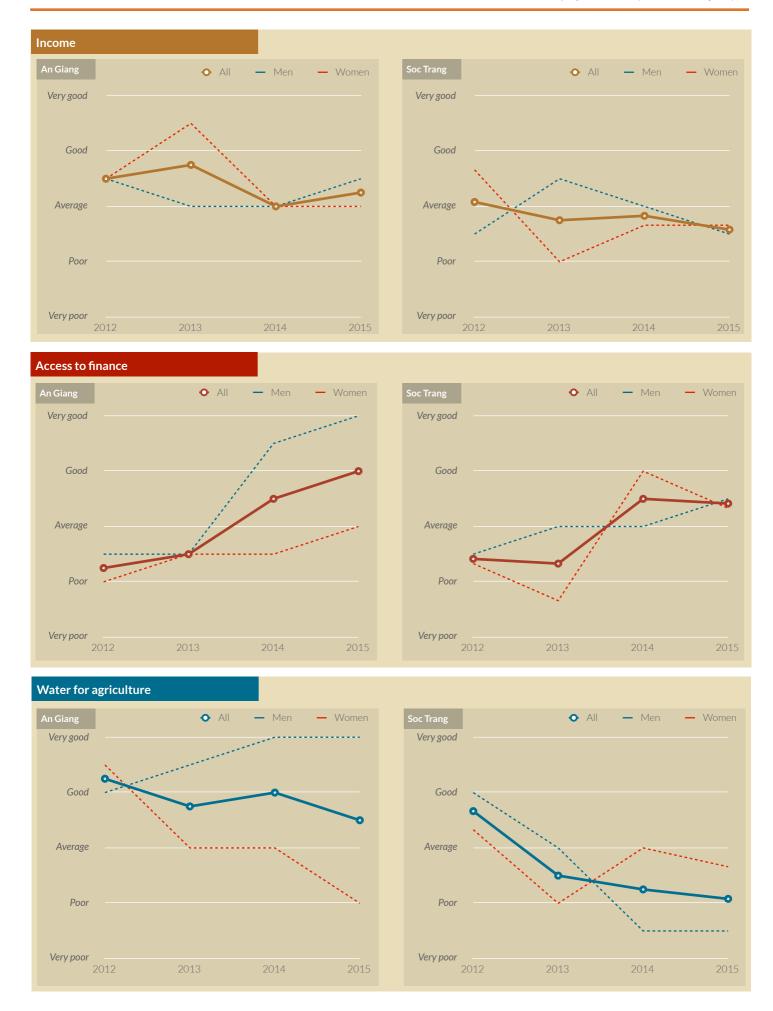


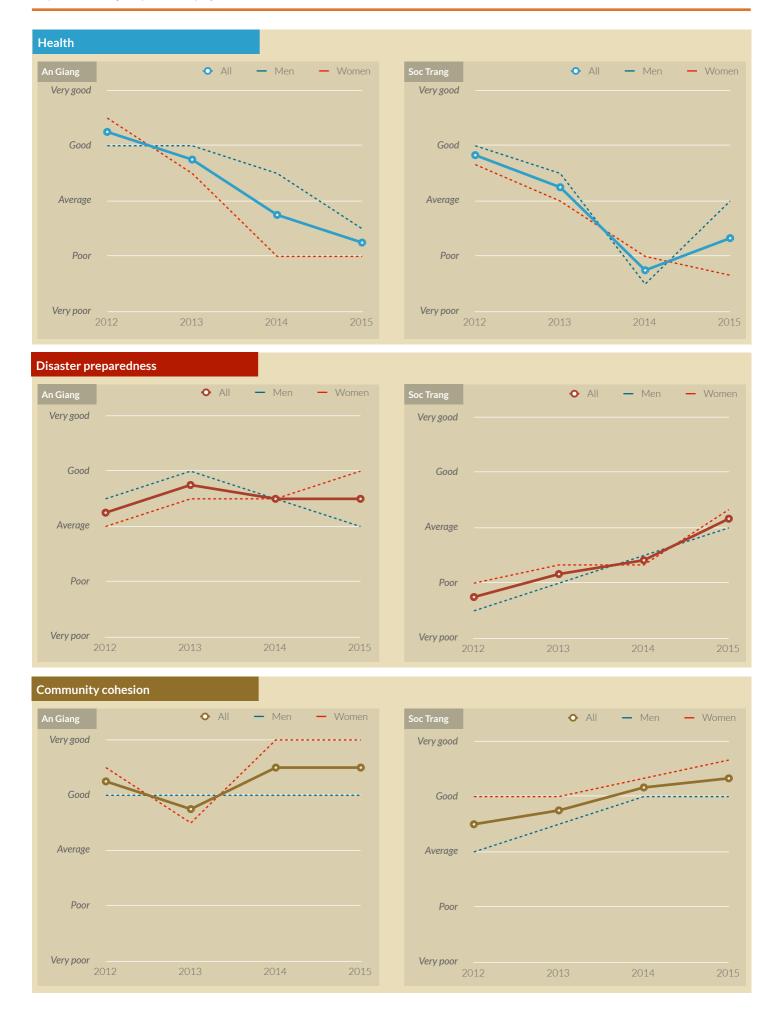




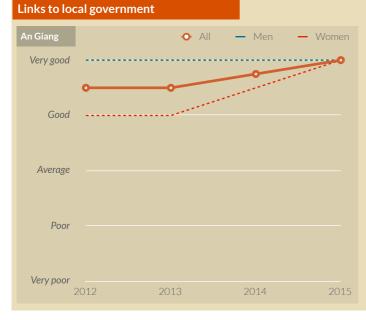












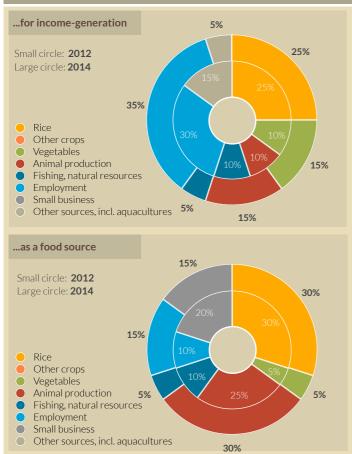


## F.1 Vinh Nghia village-level results

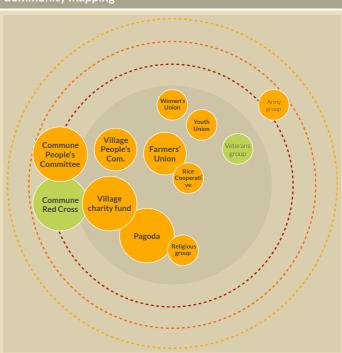
Women						
Aspect	2012	2013	2014	2015	Trend	Underlying reasons for trends
Crop and vegetable production	5	3	1	1	-4	Rice failures, lower market prices for produce; drought
Animal production	5	2	1	1	-4	Drought and unpredictable weather, no enough food for buffalos
Food security	4	4	1	1	-3	Drought; loss of crop production due to conversion of agricultural land; lack of agricultural jobs; no or little food reserves $\frac{1}{2} \left( \frac{1}{2} \right) = \frac{1}{2} \left( \frac{1}{2} \right) \left( \frac{1}{2$
Income	2	5	3	4	+2	Income increased overall because of remittances from family members in cities
Access to finance	1	1	1	1	0	
Water for agriculture	4	2	3	2	-2	Lack of water due to long dry spells
Health	5	3	1	1	-4	Changes in weather patterns affect people's health negatively
Disaster preparedness	3	3	3	3	0	
Community cohesion	4	2	5	5	+1	People care for each other more than in the past
Women's involvement in village affairs	3	2	5	5	+2	Commune and hamlet leadership encourage women to take part in meetings
Links to local government	3	3	4	5	+2	Change of village leader, who is more proactive.

Men						
Aspect	2012	2013	2014	2015	Trend	Underlying reasons for trends
Crop and vegetable production	5	3	2	2	-3	Lower market prices, less table weather, 'too much sunlight'
Animal production	5	4	3	2	-3	Many sellers pump water into animals before sale - buyers know this and thus pay lower prices
Food security	5	5	5	5	0	
Income	5	4	3	3	-2	Income still very variable since it is based on animal production and crop cultivation
Access to finance	2	2	5	5	+3	Multiple sources (Agriculture bank, Women's Union, Farmers Union etc) for loans
Water for agriculture	5	5	5	5	0	
Health	5	5	4	4	-1	More diseases due to 'unstable weather'
Disaster preparedness	4	5	5	5	+1	Access to finance
Community cohesion	3	3	3	3	0	
Women's involvement in village affairs	5	5	5	5	0	
Links to local government	5	5	5	5	0	

#### Perceived roles of livelihood activities...



#### **Community mapping**



**Rey:** The shaded **large central circle** represents the community, while the **dotted outer rings** indicate the strength of links to external actors.

The **size of the the actor circles** indicates perceived importance (the bigger, the more important), while the **colou**r illustrates change (green: more important now; yellow: no change; red: less important now).

#### Women: Hazard and coping strategy analysis Year Hazard % affected Human losses, injuries Damage to infrastructure and houses Damage, losses in agricultural production Hypothetical 1: Coping strategy: Recovery: Hypothetical 2: What did the villagers How many months If the same hazard If the same hazard do to compensate for did it take to recover happened again, happened again, the losses? to pre-hazard levels? would the losses be would the coping strategy be the same the same, more, or less than in the past? or different? Why? 25% **50% of crops** → Waiting for 2015 Drought none none n.a. Less losses expected It would be the instructions from as people begin to 2014 5% same. Storm 1 house none DoNRE adapt (fruits trees, damaged greater variety of 2010 Storm 1% none some houses crops) damaged

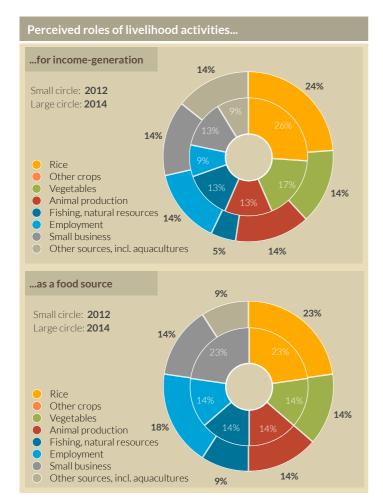
Men: l	Men: Hazard and coping strategy analysis												
Year	Hazard	% affected	Human losses, injuries	Damage to infrastructure and houses		Coping strategy: What did the villagers do to compensate for the losses?	Recovery: How many months did it take to recover to pre-hazard levels?		Hypothetical 2: If the same hazard happened again, would the coping strategy be the same or different?				
2015	Drought	50%	none	none	50%	Food relief from	Four months	Fewer households	In the past, we didn't				
2014	Drought	40%	none	none	30%	government and		will be affected due	prepare. Now, we				
2006	Flood	90%	none	Embankments and roads damaged. Some houses collapsed	70%	society; joint community efforts to rebuild road; Red Cross supports reconstruction of houses		to higher dams - but the damage will now be greater (more valuable contents)	have reinforced embankments, preparedness teams and evacuation routes				

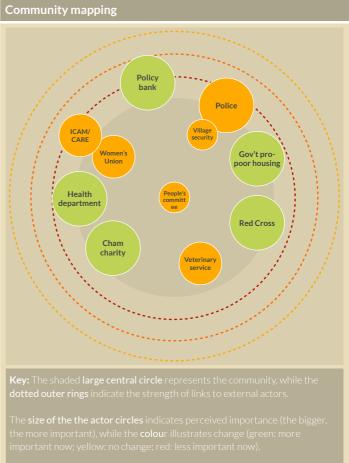
## F.2 Ha Bao II village-level results

Women						
Aspect	2012	2013	2014	2015	Trend	Underlying reasons for trends
Crop and vegetable production	5	5	4	3	-2	Generally high productivity but decreasing price, as well as hot weather damaging vegetables in 2015
Animal production	3	3	2	2	-1	Growing prevalence of chicken diseases over the past two years, in particular during seasonal changes
Food security	5	4	3	2	-3	Drought and other factors above reduce available food; lack of other income. Many seeds did not germinate during the drought/heat
Income	5	4	3	2	-3	The drought damaged cultivation. No jobs. Cannot sell enough produce.
Access to finance	3	4	4	5	+2	In 2015, it is now easy to get loans because many programs offer loans for the poor (for toilets, business, Women's Union and others)
Water for agriculture	5	4	3	2	-3	Due to the drought, lack of water for irrigation
Health	4	4	3	3	-1	During seasonal changes, people are more exposed to diseases (fever, headache, cough)
Disaster preparedness	3	4	4	5	+2	Women's Union/ICAM trained people to cover their skin when they go out and to plant more trees.
Community cohesion	5	5	5	5	0	We hold together - no discrimination against Khmer and Cham.
Women's involvement in village affairs	4	4	5	5	+1	Women's Union encouraged women to get involved in the community
Links to local government	5	5	5	5	0	Government takes good care of the villagers

Men						
Aspect	2012	2013	2014	2015	Trend	Underlying reasons for trends
Crop and vegetable production	3	4	3.5	5	+2	Overall good weather conditions. 2012: pest and water shortages while canal system was upgraded. Overall, situation in 2015 better than in 2012
Animal production	3	3	3	3	0	
Food security	4	3	2	2	-2	Reduced water flow in river - which means lower amount of fish catch
Income	2	2	3	4	+2	More and more young villagers go to work in cities and send remittances
Access to finance	3	3	4	5	+2	Multiple sources of finance for poor. Some poor households also received buffalos
Water for agriculture	3	4	5	5	+2	Since the upgrade of the irrigation system, water availability has increased. But during dry spells, paddies far from the water pump still do not have enough water
Health	3	3	3	1	-2	Hot weather is seen as reason for more diseases, especially amongst children and elderly
Disaster preparedness	3	3	2	1	-2	After flood in 2011, the villagers upgraded the embankment. Since the new highway in 2014, which offers better connections, the villagers do not worry about floods and are less proactive.
Community cohesion	5	5	5	5	0	
Women's involvement in village affairs	3	3	4	5	+2	Women are now more involved. No reason provided.
Links to local government	5	5	5	5	0	

Wom	Women: Hazard and coping strategy analysis												
Year	Hazard	% affected	Human losses, injuries	Damage to infrastructure and houses	in agricultural production	Coping strategy: What did the villagers do to compensate for the losses?	Recovery: How many months did it take to recover to pre-hazard levels?	the same, more, or	Hypothetical 2: If the same hazard happened again, would the coping strategy be the same or different?				
2015	Drought	70%	0	0		We are planting more trees to have more shade. We wear more	Still ongoing - no recovery.	The losses are expected to be more serious due to	We don't know how to cope and recover better.				
2014	Drought	70%	0	0	50%	long-sleeve shirts (to protect the skin). More water pumping		increasing lack of water and lack of buffers.					
2014	Storm	60%	0	many houses damaged	50%	onto rice fields (but there is not enough).		buriers.					
2013	Storm	50%	0	many houses damaged	60%	Elevation of houses where possible (to	One week to rebuild houses. One year to	Damage will be increased (as there is					
2006	Whirlwind	60%	0	houses collapsed		reduce flood risk) and reinforcement of roofs	recover from livelihood losses.	now more to loose), and there will be					
2005	Storm	70%	0	roofs blown away	70%	with steel wires.		more storms.					

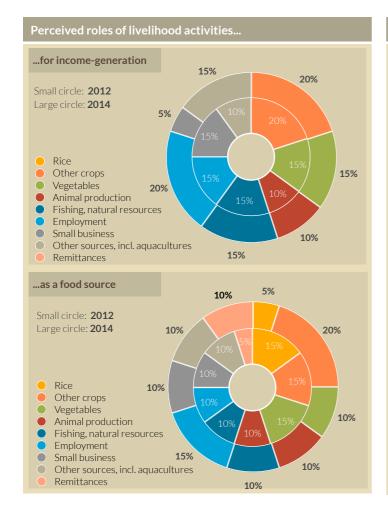


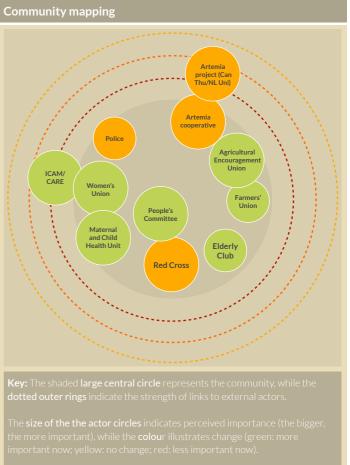


## **F.3 Bien Tren** village-level results

Women						
Aspect	2012	2013	2014	2015	Trend	Underlying reasons for trends
Crop and vegetable production	5	2	2	3	-2	We cultivate less vegetable. High costs to power the water/irrigation pump
Animal production	2	3	5	2	0	Prices fluctuate (very low in 2012). In 2015, many animals died from diseases
Food security	5	2	3	2	-3	Many sources of crops and vegetables fail - negative indirect impact on animal production
Income	5	2	3	3	-2	Due to cultivation losses and animal deaths; difficult to find alternative jobs
Access to finance	1	1	5	5	+4	Women's Union and Agricultural Development Bank provide more loans
Drinking water	5	5	3	3	-2	In 2012-13, we drank rainwater. But then we learned from the TV that rainwater is unhealthy - so now we drink bottled water
Water for agriculture	2	2	5	5	+3	More wells available after government support.
Health	4	4	3	2	-2	Because of more sunlight and hotter days, our health is negatively affected
Disaster preparedness	2	4	4	4	+2	We learned from TV how to reinforce our houses and are also warned ahead of storms
Community cohesion	5	5	5	5	0	It is in our tradition to support each other and hold together
Women's involvement in village affairs	2	2	5	5	+3	Due to Women's Union. In the past, we didn't receive any money for attending meetings. But now we receive VND 50,000 when attending meetings
Links to local government	5	5	5	5	0	The local government understands and supports us well.

Wom	Women: Hazard and coping strategy analysis												
Year	Hazard	% affected	Human losses, injuries	Damage to infrastructure and houses		Coping strategy: What did the villagers do to compensate for the losses?	Recovery: How many months did it take to recover to pre-hazard levels?	If the same hazard happened again,	Hypothetical 2: If the same hazard happened again, would the coping strategy be the same or different?				
2015	Drought	80%	0	0	70%	Drought still ongoing,	Not yet recovered	There will be the	No				
2014	Storm	0	0	0	0	casual labour		greater losses as there will be even more to lose					
						We evacuated to the	One year	Less damage	No				
2012	Whirlwind	20%	0	10%	0	commune. No compensation		because we have reinforced our houses					
2012	Strong rain	80%	0	70%	100%	We waited for the water to recede.	Three months	Less damage because we have new rainwater drainages	No				

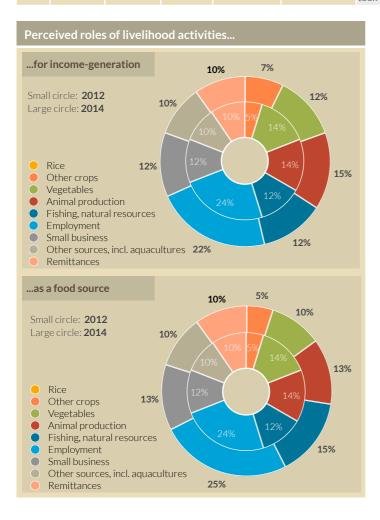


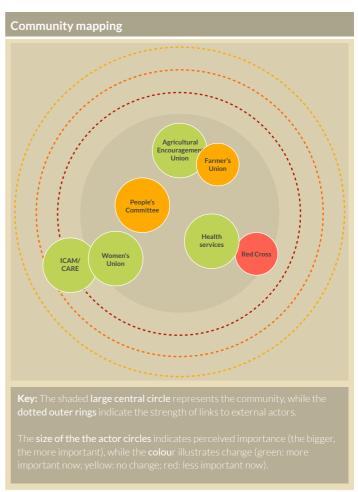


## **F.4 No Puol** village-level results

Women						
Aspect	2012	2013	2014	2015	Trend	Underlying reasons for trends
Crop and vegetable production	3	1	2	1	-2	Lower prices for main produce, unstable weather, lack of rain in 2015
Animal production	4	2	1	1	-3	Good conditions in 2012. Since 2013, many shrimps and chickens died. Hotter weather suspected as one reason.
Food security	2	3	2	2	0	We are poor and often do not have enough food to eat. We get some remittances to get by.
Income	3	2	3	3	0	As above. Nowadays we do more work as casual labourers in the city.
Access to finance	3	2	5	3	0	2014: some households got loans or assets (pigs) from the Women's Union and from banks
Drinking water	2	5	5	5	+3	We now have tap water, and it is cheap.
Water for agriculture	3	2	2	2	-1	In 2012 there was enough water. Now we have drought, and there is not enough water around. Some households have wells and tanks - difficult for those without tanks
Health	4	3	2	2	-2	Hotter weather leads to more diseases and exhaustion
Disaster preparedness	3	1	1	2	-1	Disasters are more frequent. We do not know how to prepare for them.
Community cohesion	5	5	5	5	0	Very good - poor people support each other in this village
Women's involvement in village affairs	3	5	5	5	+2	Women's Union has invited us many times. Men leave to work, women participate in the community
Links to local government	4	2	3	3	-1	Official procedures are getting more complex and difficult to understand. Many members of ethnic minority groups cannot read Vietnamese documents.
Men						
Aspect	2012	2013	2014	2015	Trend	Underlying reasons for trends
Crop and vegetable production	5	1	1	1	-4	High prices for onion, longan in 2012, then collapse of price and low yield
Animal production	4	1	1	2	-2	(Shrimps only): 2013 disaster severely damaged ponds; slow recovery; many shrimps die. 2015: slightly higher prices for shrimps
Food security	3	1	2	1	-2	2012: with lots of work at shrimp farms, enough income to buy food. But since the 2013 disaster, many shrimp farmers closed, and people lost their jobs - no alternatives yet
Income	3	2	2	1	-2	Back in 2012, we had enough for the family. But since 2013, we haven't - no more family celebrations because of lack of funds.
Access to finance	2	2	2	2	0	People can borrow many times, but many poor households never get micro-finance. WU has a program (ICAM) with pigs but poor households don't get this, only those with good links to the WU. Some non-poor households also get pigs
Drinking water	4	4	4	4	0	We use tap water, there are no problems
Water for agriculture	3	3	1	1	-2	Ground water ok up to 2013; declining ground water since 2014 - this requires that we deepen our wells
Health	3	3	1	4	+1	Spike in diarrhoea cases in 2014
Disaster preparedness	2	2	2	2	0	We are affected by many typhoons; roofs blow away. Yet, we are little prepared, and there is no support from agencies. We would need training and evacuation systems
Community cohesion	3	3	3	3	0	The poor and the rich do not help each other. Poor people however know and support each other.
Women's involvement in village affairs	2	2	2	2	0	Women's Union doesn't encourage or educate households, drive empowerment, or improve activities related to women.
Links to local government	2	2	2	2	0	We had proposals and shared them with the government (water, power issues), but the government has not responded. We don't know about the links between the rich and the

Wom	Women: Hazard and coping strategy analysis												
Year	Hazard	% affected	Human losses, injuries	Damage to infrastructure and houses		Coping strategy: What did the villagers do to compensate for the losses?	Recovery: How many months did it take to recover to pre-hazard levels?	Hypothetical 1: If the same hazard happened again, would the losses be the same, more, or less than in the past? Why?	Hypothetical 2: If the same hazard happened again, would the coping strategy be the same or different?				
2015	Drought	70%	0	0	All shrimps farms affected (about 50% of HHs involved in shrimp farming)	Upgrades to shrimp ponds. Also, people deepen wells to get more water for agriculture	One month recovery for onion	More losses likely because the people here already lost lots of capital (less buffers). We need to continuously deepen the wells.	No solution.				
2014	Tornado	30%	3 injured	Roofs of several houses blown away	0%	Temporary house fixes	One month for rich people, one year for poor people	Less damage likely because people reinforced their houses	No solution.				
2014	Drought	70%	0	0	80%	Upgrade to ponds, exchange of water	2 months	More losses (see above)	No solution.				
2013	Heavy rain	100%	0	0	100%	None	5 months	No change	No solution.				
1997	Typhoon	100%	0	100 houses destroyed	100%	Back then, there had been no warning at all - so the damage was substantial. This meant also that people took longer to recover.		Less damage - stronger houses. Warning system in place	Reinforced houses.				





## **F.5 No Thum** village-level results

Women						
Aspect	2012	2013	2014	2015	Trend	Underlying reasons for trends
Crop and vegetable production	1	3	1	2	+1	2012 and 2014: major crop losses. 2015: higher price for chili
Animal production	4	1	2	3	-1	Shrimps: very sensitive; die in hotter weather. Other animal diseases have major impacts on pigs and chicken.
Food security	3	2	1	1	-2	We grow food but nobody comes to buy. Some 26% poor in 2015, some have not enough rice to eat. Some receive remittances, Some moved to the cities to find jobs -but difficult there too.
Income	3	2	2	2	-1	Nobody hires us. Most only make 80,000 VND/day. There were better jobs in 2012.
Access to finance	3	2	2	2	-1	It was easier to borrow in 2012. Now we don't make enough money to pay loans off. Women's Union gave VND 5 million to 10-20 households. We don't know the selection criteria.
Drinking water	2	2	3	3	+1	Some households now have tap water, however, tap water is smelly.
Water for agriculture	5	2	2	1	-4	In 2012 we could pump water. But now there is no water for trees/crops. Maybe hotter weather at fault. Water is also salty now in lakes and rivers.
Health	3	2	1	1	-2	
Disaster preparedness	1	2	2	4	+3	We are better prepared and are warned by TV if there is a storm. Last year, ICAM came and taught us how to prepare.
Community cohesion	2	2	3	4	+2	Slightly improved - but there is not so much help between the rich and the poor in the village. Rich people do not lend money to the poor, fearing that loans cannot be repaid.
Women's involvement in village affairs	1	1	3	4	+3	The Women's Union invited us more to attend meetings (on hygiene, childcare, energy-saving)
Links to local government	3	3	4	4	+1	
Men						
Aspect	2012	2013	2014	2015	Trend	Underlying reasons for trends
Crop and vegetable production	2	5	3	3	+1	Good harvests, especially of onions, in 2013 and 2014. 2015 saw weather-related loss of 50% of harvest - but higher prices compensated for this loss.
Animal production	1	2	4	2	+1	Shrimp production increased, boom in 2014. 2015 has been not too well thus far.
Food security	3	5	3	4	+1	Increased income (higher chili price mentioned) - greater ability to buy food.
Income	2	5	4	4	+2	More and better jobs available compared to 2012, good prices for produce
Access to finance	3	4	4	5	+2	Many organizations lend money, easier procedures and wider eligibility than in the past
Drinking water	1	3	5	5	+4	Clean water now provided through piping system
Water for agriculture	5	3	2	2	-3	In 2012 not many households had wells and there was enough groundwater. Now there are many wells but less groundwater
Health	5	4	2	2	-3	Greater use of pesticides impacts our health. Hot weather. More diseases
Disaster preparedness	1	2	3	4	+3	Two workshops through ICAM. We now have sturdier houses and are better prepared than in 2012
Community cohesion	3	4	5	5	+2	We cooperate well because there are many activities from organizations. The sense of community has improved.

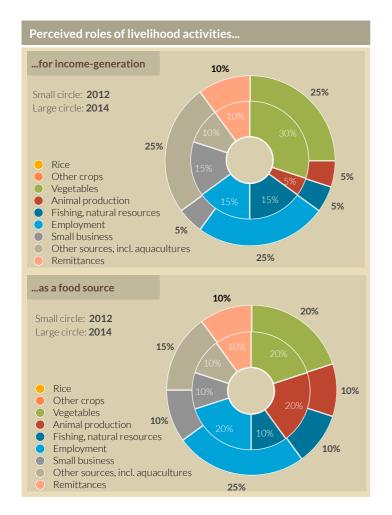
Women: Haza	ard and ca	ning ctro	tomiona	MICIC
I VVOIHEIL: DAZ	яго апо со	סוווט אוווו	iegy anai	125

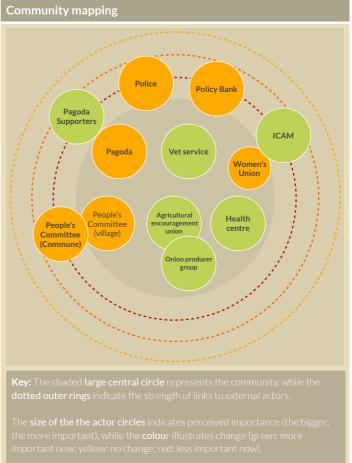
Women's involvement in village affairs

Links to local government

Year	Hazard	% affected	Human losses, injuries	Damage to infrastructure and houses		Coping strategy: What did the villagers do to compensate for the losses?	How many months	If the same hazard happened again, would the losses be the same, more, or	Hypothetical 2: If the same hazard happened again, would the coping strategy be the same or different?					
2015	Drought	50%	30 people with diseases	Some house material damaged "due to greater heat"	90% of shrimps lost	Keep children inside, more food and water; no strategy for shrimps production	Two months if sunny; if it starts to rain, we cannot determine a recovery	Unchanged	No solution					
2012- 2014	Floods	40%	none		100% of shrimps	Higher embankment at coast line	1 year	Unchanged	No solution					
1997	Typhoon	10%	none	Houses collapsed	70%	No solution	1 week for housing repairs (very simple back then)	Less damage, because houses stronger today, and early warning	We would reinforce houses if we receive early warning					

3 4 4 +1 Improved support, easier to work with, better understanding of official procedures





PHIẾU KHẢO SÁT HỘ GIA ĐÌNH	Số THỨ TỰ (ĐIỀU TRA VIỆN KHÔNG TỰ ĐIỆN VÀO):
ĐÁNH GIÁ CUỐI KÌ DỰ ÁN ICAM	<b>Lưu ý</b> : <i>Những câu hỏi in nghiêng/gạch chân</i> được chọn nhiều đáp án

### PART O | XÁC ĐỊNH - IDENTIFICATION .....

#### 0.1 ln đậm câu hỏi bằng tiếng địa phương và câu hỏi bằng tiếng Anh đánh bên dưới.

Mã số điều tra viên của anh/chị? What is your enumerator co	ode?		
<u>A</u>	<u>D                                    </u>	<u>G</u> □	<u>K 🗆</u>
B □	E 🗆	<u>H 🗆</u>	L O
<u>C                                    </u>	<u>F </u>	<u>J 🗆</u>	<u>M</u> $\Box$
0.2 Phỏng vấn đang thực hiện tại ấp nào?	In which village is	this interview being conducted?	

0.2	Phỏng vấn đang thực hiện tại ấp nào?	In which village is this interview being conducted?	
1)	Hà Bao II (A.1.2 – An Giang)	Hà Bao II (A.1.2 – An Giang)	
2)	Vĩnh Nghĩa (A.2.2 – An Giang)	Vĩnh Nghĩa (A.2.2 – An Giang)	
3)	Vĩnh Bình (A.2.3 – An Giang)	Vĩnh Bình (A.2.3 – An Giang)	
4)	Tân Nam (B.1.1 – Soc Trang)	Tân Nam (B.1.1 – Soc Trang)	
5)	Nô Thum (B.1.2 – Soc Trang)	Nô Thum (B.1.2 – Soc Trang)	
6)	Nô Puôl (B.1.3 – Soc Trang)	Nô Puôl (B.1.3 – Soc Trang)	
7)	Trà Vôn A (B.1.10 – Soc Trang)	Trà Vôn A (B.1.10 – Soc Trang)	
8)	Biển Trên (B.2.2 – Soc Trang)	Biển Trên (B.2.2 – Soc Trang)	
9)	Phỏng vấn thử	Test run	

#### PHẦN A | THÔNG TIN CƠ BẢN - BASIC INFORMATION...

HÀNH.  và mon sống. £ Tôi mu anh/chị xóm/ấp ản dan anh/chị phỏng trong k	QC ĐOẠN NÀY CHO NGƯỜI ĐƯỢC PHÓNG VÂN TRƯỚC KHI TIỀN Xin chào, tối tên là g muốn được hiểu hơn về các điều kiện tại cộng đồng anh/chị đang sinh bày là một phần của đánh giá kết quá dự án ICAM được thực hiện ở đây. ốn được hồi anh/chị một số câu hỏi về gia đình, sinh kế làm ăn, cách chuẩn bị trong trường họp thiên tai xây ra và các mối quan hệ trong của anh/chị. Khảo sát sẽ mất khoảng 45 phút để hoàn thành và mang tính h – nghĩa là không ghi lại tên và địa chỉ của người trả lời. Nếu tham gia, có thể quyết định không trả lời một hay một số câu hỏi hoặc dừng cuộc vấn bắt cứ lúc nào. Nếu anh/chị không thể hiểu được ngôn ngữ đạng dùng hảo sát này, chúng tỏi sẽ bố trí cho anh/chị người phiên dịch ngôn ngữ địa h, Anh/chị cổ đồng ý tham gia phòng vấn không? Không (→NĒU CHỌN "KHÔNG", KẾT THÚC PHÒNG VÁN)	i đang làm việc cho tổ chức CARE jai công đồng anh/chi đang sinh hán ICAM được thực hiện ở đầy.  I am working with CARE to learn more about the conditions ir your community. This is part of a review of the ICAM project that was implemente here. I would like to ask you questions about your family, your livelihoods, disaste preparedness, and village affairs. The survey will take about 45 minutes to complete and is anonymous - which means that your name and address will not be recorded. If you participate, you can decide not to answer a question or to stop the interview at any time. If you are unable to understand the language, local language for you. Do you agree to be interviewed?  I am working with CARE to learn more about the conditions ir your community. This is part of a review of the ICAM project that was implemente here. I would like to ask you questions about your family, your livelihoods, disaste preparedness, and village affairs. The survey will take about 45 minutes to complete and is anonymous - which means that your name and address will not be recorded. If you participate, you can decide not to answer a question or to stop the interview at any time. If you are unable to understand the language, local language translators will be arranged for you. Do you agree to be interviewed?  Yes No (→TERMINATE INTERVIEW)  In the project that was implemente here. I would like to ask you questions about your family, your livelihoods, disaste preparedness, and village affairs. The survey will take about 45 minutes to complete and is anonymous - which means that your name and address will not be recorded. If you participate, you can decide not to answer a question or to stop the interview at any time. If you are unable to understand the language, local language are unable to understand the language. In the project that was implemented to ask you questions about your family.			
A.1	Giới tính của người được phỏng vấn?	What is the gender of the respondent?			
1)	Nữ	Female			
2)	Nam	Male			
A.2	Có bao nhiêu người trong hộ gia đình anh/chị? Viết số	How many people live in your household?  Write number	I		
	Viet SO	write number			
A.3	Giới tính của chủ hộ?	What is the gender of the head of the household?			
1)	Nữ	Female			
2)	Nam	Male			
A.4	Anh/chi thuôc dân tôc nào?	What ethnic group does your household belong to?			
1)	Kinh	Kinh	П		
2)	Khmer	Khmer	H		
3)	Người Hoa	Chinese			
4)	Chăm	Cham	П		
5)	Khác	Other			
3)	NIdC	Ottlei			
A.5	Anh/chị thuộc độ tuổi nào?	How old are you?			
1)	18 – 25 tuổi	18 – 25 years			
2)	26 – 40 tuổi	26 – 40 years			
3)	41 – 55 tuổi	41 – 55 years			
4)	Trên 55 tuổi	56 years or older			
		•			

A.6	Tình hình kinh tế của gia đình anh/chị hiện nay?	What is your household's economic status?	
1)	Hộ nghèo (đã có sổ hộ nghèo)	Poor (officially registered, with book)	
2)	Không thuộc hộ nghèo	Non-poor	
Δ7	Tình hình kinh tế của gia đình anh/chi <b>tại thời điểm 2012</b> ?	And in 2012 what was your household's economic status?	

Α	7	Tình hình kinh tế của gia đình anh/chị <b>tại thời điểm 2012</b> ?	And in 2012, what was your household's economic status?	
	1)	Hộ nghèo (đã có sỗ hộ nghèo)	Poor (officially registered, with book)	
	2)	Không thuộc hộ nghèo	Non-poor	

PHÀI	<b>N B</b>   THAM GIA DỰ ÁN - INVOLVEMENT IN THI	E PROJECT		
B.1	Anh/chị đã từng nghe về dự án ICAM được thực hiện bởi Hội Liên hiệp Phụ nữ và tổ chức CARE Việt Nam chưa?	Have you heard of the ICAM project implemented by the Wome CARE?	n's Unic	on and
1)	Có nghe	Yes		
2)	Chưa từng	No		
B.2	Anh/chị, hoặc có bất kì người nào trong hộ gia đình anh/chị là thành viên của <b>Hội Phụ nữ không</b> ?	Are you, or is any member of your household, a member of the	Womer	n's Union?
1)	Có Có	Yes		
2)	Không	No		
99)	Tôi không biết	I don't know		
D.O.	Andrile: h - Y - h 64 (2)			:11: - :- 4
B.3	Anh/chị, hoặc bất kì người nào trong hộ gia đình là thành viên của nhóm sinh kế thích ứng biến đổi khí hậu do CARE hỗ trợ thành lập (ví dụ dự án trồng nấm trong nhà, nuôi heo/gà) không?	Are you, or is any member of your household, a member of a cl livelihoods group established with CARE support (e.g. indoor m or pig-raising)?		
1)	Có	Yes		
2)	Không	No		
99)	Tôi không biết	I don't know		
B.3a	Anh/chị hay có bất kỳ người nào trong gia đình là thành viên của nhóm nâng cao nhận thức/giảm thiểu rủi ro thiên tai do CARE hỗ trợ thành lập không?	Are you, or is any member of your household, a member of awa groups/ DRR groups established with CARE support?	areness	
1)	<u>C6</u>	Yes		
2)	Không	No		
99)	Tôi không biết	I don't know		
B.4	Hơn 3 năm vừa qua, anh/chị hay bắt kỳ thành viên khác trong hộ gia đình có tham gia khóa tập huấn nào của dự án ICAM không?	Over the past three years, have you received any training throu project?	gh the l	CAM
1)	Có	Yes		→ B.4a
2)	Không	No		→ B.5
99)	Tôi không biết	I don't know		→ B.5
B.4a	Nếu có, anh chị có biết từ ai hoặc tổ chức nào không?	Who provided this training?		
1)	Hội LHPN	Women's Union		
2)	Nông nghiệp & phát triển nông thôn	DARD		
3)	Tài nguyên môi trường	DoNRE		
4)	Phòng chống lụt bão	CFSC		
5)	Trung tâm nghiên cứu phát triển cộng đồng (CCRD)	CCRD		
99)	Tôi không biết	I don't know		
B.5	Tính từ lúc bắt đầu có dự án ICAM (bao gồm tổ chức CARE, Hội Liên hiệp Phụ nữ, Sở NN&PTNT, Sở TNMT, PCLB), câu nào dưới đây mô tả tốt nhất mức độ tham gia của anh/chị?	Considering the beginning of the ICAM project (which included WU, DARD, DONRE, CCRD), which of the following statement: describes your involvement?		Chuyến sang câu
1)	Tôi chưa từng tham gia vào bất cứ đánh giá hoặc cuộc họp lập kế hoạch nào.	I have not been involved in any assessments or planning meetings		→ B.6
2)	Tôi đã từng tham gia họp nhưng không có đóng góp nào.	I participated in meetings but did not contribute		→ B.5a
3)	Tôi đã từng tham gia họp và có đóng góp vào các kế hoạch.	I participated in meetings and contributed to planning		→ B.5a
99)	Tôi không biết	I don't know		→ B.6
B.5a	Mức độ hài lòng của anh/chị về quá trình lập kế hoạch?	How satisfied were you with the planning process?		
1)	Rất hài lòng	Very satisfied		Ι 🗆
2)	Khá hài lòng	Rather satisfied		
3)	Tương đối không hài lòng	Rather dissatisfied		
4)	Rất không hài lòng	Very dissatisfied		
99)	Tôi không biết	I don't know		
	·			1
B.6	Trong 2 năm vừa qua, anh/chị đã tham gia thảo luận về các việc liên quan đến ICAM với các đối tác trực tiếp thực hiện (CARE, Hội Liên hiệp Phụ nữ, NN&PTNT, TNMT, PCLB) được bao nhiêu lần?	How often in the past two years have you discussed any issues project with implementing partners (CARE, Women's Union, DA CFSC)?		
1)	Từ 1 đến 2 lần	1-2 times		
2)	Từ 3 đến 4 lần	3-4 times		
3)	Từ 5 lần trở lên	5 times or more often		
4)	Không có lần nào	Not at all		
99)	Tôi không biết	I don't know		

## PHẦN C | SINH KẾ THÍCH ỨNG BIẾN ĐỔI KHÍ HẬU - CLIMATE-RESILIENT LIVELIHOODS.....

## PHẦN C-I **KIẾN THỨC**

C.1	Anh/chị vui lòng cho biết mức độ hiểu biết của anh/chị về biến đổi khí hậu. Mô tả nào dưới đây phù hợp nhất đối với anh/chị? <mark>[O.1]</mark>	I would like to ask you about your knowledge of climate change. following statements best applies to you? [0.1]	Which	of the
1)	Tôi không biết biến đổi khí hậu là gì	I don't know what the term climate change means		→ C.6
2)	Tôi biết về biến đổi khí hậu nhưng không rõ về sự ảnh hưởng của nó tới xóm/ ấp của tôi	I understand what climate change means but do not know how it may affect our village.		→ C.2
3)	Tôi biết biến đổi khí hậu là gì và ảnh hưởng của nó tới xóm/ ấp trong hiện tại cũng như sự ảnh hưởng có thể xảy ra trong tương lai.	I understand what climate change means and the way in which it affects our village now and how it might affect our village in future.		
C.2	Vui lòng cho biết mức độ hiểu biết của anh/chị về biến đổi khí hậu thay đổi như thế nào trong 3 năm vừa qua? [O.1]	And would you say that your understanding of climate change ha changed over the past four years? [0.1]	is	Chuyển sang câu
C.2	đổi như thế nào trong 3 năm vừa qua? [0.1] Vàng, tôi biết nhiều hơn về biến đổi khí hậu so với trước đây		as $\Box$	
1) 2)	đổi như thế nào trong 3 năm vừa qua? [O.1]	changed over the past four years? [O.1]	as	sang câu

C.2a	Dự án ICAM (bao gồm tổ chức CARE, Hội Liên hiệp Phụ nữ, Sở NN&PTNT, Sở TNMT, PCLB) có đóng góp vào sự thay đổi này không? [0.1]	Has the ICAM project (which included Care WU, DARD, DONRE, CCRD) played any role behind this change? [0.1]			,	Chuyên sang câu		
1)	Không có đóng vai trò nào.	No, it did not play a role						
2)	Có, ICAM đóng vai trò tích cực ngang với các yếu tố/tổ chức khác.	Yes, it played a positive role amongst others				→ C.	3	
3)	Có, ICAM đóng vai trò chính	Yes, it played the main role						
99)	Tôi không biết	I don't know						
Nhóm C.3	Anh/chị biết thêm những gì về biến đổi khí hậu hơn 3 năm qua? Đối với từng câu hỏi, vui lòng chọn: KHÔNG nếu anh/chị không có tìm hiểu về vấn đề biến đổi khí hậu  Hoặc Có thể chọn nhiều đáp án CÓ nếu cần kết hợp nhiều câu trả lời. [0.1]	What have you learned over the past four years regarding climate change?  For each of the following aspects, please select either  NO if you have not learned about this aspect or any combination of YES options with the source of information. You may select multiple YES options.  [0.1]	<ol> <li>KHÔNG, tôi không biết thêm bất ki thôgn tin nào về khía canh này.</li> </ol>	2) CÓ, từ TV, radio hoặc báo chí	<ol> <li>có, từ những tờ áp phích, tờ rơi đến loa phát thanh.</li> </ol>	<ol> <li>Cô, thông qua những buổi họp (làng xã, địa phương, nhóm)</li> </ol>	<ol> <li>CÓ, thông qua thảo luận với bạn bè, hàng xóm</li> </ol>	
C.3.1	Nguyên nhân gây ra biến đổi khí hậu	The causes of climate change						
C.3.2	Tác động chung của biến đổi khí hậu	The general impact of climate change						
C.3.3	Tác động (có thể có) của biến đổi khí hậu đối với khu vực Đồng bằng	The (likely) impact of climate change on the			П			
C.3.4	Sông Cửu Long Tác động khác nhau của biến đồi khí hậu đối với nam giới, nữ giới và	Mekong Delta region  The different impact on men and women, and on						
	người dân tộc	ethnic minorities						
<u>C.3.5</u>	Hành động tôi có thể làm để thích ứng tốt hơn với tác động của biến đổi khí hâu	Actions I can take to better adapt to the effects of climate change	i 🗆					
<u>C.3.6</u>	Hành động mà xóm/ấp của chúng tôi có thể làm để thích ứng tốt hơn với tác đông của biến đồi khí hâu	Actions our community can take to better adapt to the effects of climate change						
<u>C.3.7</u>	Khả năng thích ứng của nam giới và nữ giới trước tác động của biến đổi khí hậu	Capacity of men and women to better adapt to climate change						
C.4	Trong 3 năm qua, có bắt kì ai trong gia đình anh/chị <b>đã tham gia</b> các hoạt động nâng cao nhận thức về biến đổi khí hậu và thích ứng với biến đổi khí hậu không? <mark>[OP2.4.1]</mark>	Over the past three years, has anybody in your h awareness –raising activities on climate change a						
1)	Có	Yes						
2) 99)	Không Tôi không biết	No I don't know						
C.5	Trong 3 năm qua, có ai trong gia đình anh/chị <b>có nhận</b> bất kì thông tin nào thông qua hoạt động nâng cao nhận thức về biến đổi khí hậu của dự	Over the past three years, has your household <b>received</b> any information through a project-related climate change awareness-				Chuyển sang câi		
1)	<b>án (ví dụ áp phích, tở rơi)? [OP2.4.2]</b> Có	raising activities (e.g. posters, leaflets? [OP2.4.2] Yes				→ C.	5a	
2)	Không	No				→ C.		
99)	Tôi không rõ	I don't know				→ C.	6	
C.5a	Các thông tin được cung cấp trong hoạt động nâng cao nhận thức này hữu lích ở mức độ nào? [OP2.4.2] Rất hữu ích	To what extent was the information provided by these awareness-raising activities useful? [OP2.4.2]  Very useful				Chuyển sang câu		
2)	Tương đối hữu ích	Somewhat useful				→ C.	6	
3)	Không hữu ích	Not useful						
99)	Tôi không biết	I don't know						
PHẦN (	C-II NHẬN THỨC VÀ THÁI ĐỘ							
C.6	Trong 10 năm qua, anh/chị đã nhận thấy bất kỳ sự thay đổi nào của khí hậu, như là sự khác biệt về mùa mưa, thay đổi nhiệt độ, hạn hán v.v) Có	Over the past ten years, have you experienced a different times of rain, changes in temperature, different times of rain, changes in the rain times of rain			ne clim	ate, suc	ch as	
2)	Không	No				+		
99)	Tôi không biết	I don't know						
Nhóm C.7	Trong 10 năm qua, gia đình của anh/chị bị tác động bởi các loại hình thiên tai nào sau đây? Ở mức độ?	Over the past ten years, to what extent has your household been affected by the following hazards?	1) Gây ra nhiều tồn thất	2) Gây ra ít tồn thất	3) Không gây ra tồn	that	99) Ioi knong biet	
C.7.1	D# 1010 16	Storms/ whirlwind						
C.7.2 C.7.3	Bão/ Giông lốc		_	_	_	_		
	Lũ lụt	Floods						
	Lű lụt Hạn hán	Floods Droughts			[			
C.7.4 C.7.5	Lũ lụt	Floods			[			
C.7.4 C.7.5 C.7.6	Lũ lụt Hạn hán Sạt lở đất (bở sông và bờ biển) Xâm nhập mặn Sâu bệnh	Floods Droughts Land erosion (river and sea) Saline intrusion Pests			] ] ]			
C.7.4 C.7.5	Lũ lụt Hạn hán Sạt lở đất (bờ sông và bờ biển) Xâm nhập mặn	Floods Droughts Land erosion (river and sea) Saline intrusion			] ] ]			
C.7.4 C.7.5 C.7.6	Lũ lụt Hạn hán Sạt lở đất (bở sông và bờ biển) Xâm nhập mặn Sâu bệnh	Floods Droughts Land erosion (river and sea) Saline intrusion Pests				2)   F		
C.7.4 C.7.5 C.7.6 C.7.7	Lũ lụt Hạn hán Sạt lờ đất (bờ sông và bờ biển) Xâm nhập mặn Sâu bệnh Bệnh trên vật nuôi  Trong 10 năm qua, thiên tai xuất hiện thường xuyên và tàn phá nhiều hơn	Floods Droughts Land erosion (river and sea) Saline intrusion Pests Animal diseases  Over the past ten years, have hazards become meaning the second of the				2)   F	99) Tôi không	
C.7.4 C.7.5 C.7.6 C.7.7 Nhóm C.8	Lũ lụt Hạn hán Sạt lở đất (bờ sông và bờ biển) Xâm nhập mặn Sâu bệnh Bệnh trên vật nuôi  Trong 10 năm qua, thiên tai xuất hiện thường xuyên và tàn phá nhiều hơn không? Trong tương lai, anh/chị nghĩ các thiên tai này có khả năng gây ra những	Floods Droughts Land erosion (river and sea) Saline intrusion Pests Animal diseases  Over the past ten years, have hazards become in frequent or more damaging? In future, do you think that hazards are likely to compare the properties of the past ten years.	nore	1) Có	[ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [	2) k	99) Tôi chông biết	
C.7.4 C.7.5 C.7.6 C.7.7 Nhóm C.8	Lũ lụt Hạn hán Sạt lở đất (bờ sông và bờ biển) Xâm nhập mặn Sâu bệnh Bệnh trên vật nuôi  Trong 10 năm qua, thiên tai xuất hiện thường xuyên và tàn phá nhiều hơn không?	Floods Droughts Land erosion (river and sea) Saline intrusion Pests Animal diseases  Over the past ten years, have hazards become in frequent or more damaging?	nore	1) C6	[ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [	:) h	99) Tôi chông biết	

## PHẦN C-III SỰ THÍCH ỨNG VÀ KẾT QUẢ

C.9	Hoạt động nông nghiệp và phi nông nghiệp đóng góp vào sinh anh\chi (thực phẩm và thu nhập) ở mức độ nào?	kế của	To what extent does on-farm and off-farm work contribute to your livelihood (food and income)?					
1)	Sử dụng chức năng thanh trượt trong iSurvey tại góc bên trái c làm nông nghiệp và bên phải chỉ 100% làm phi nông nghiệp	hỉ 100%	Use slider function in iSurvey, where the let right 100% off-farm work	t side indicate	s 100%	on-far	m and t	he
C.9a	Nhớ lại năm 2012, tỷ lệ đóng góp của hoạt động nông nghiệp v nghiệp có thay đổi so với tỷ lệ của năm 2014 không?	rà phi nông	Back in 2012, was this mix different?				Chuyể sang c	câu
1)	Có Khâng		Yes				→ C.:	
2) 99)	Không Tôi không biết		No I don't know				→ C.	
99)	To knotig blet		I doll t know				<del>7</del> 0.	10
C.9b	Nhớ lại 2012, việc làm nông nghiệp và phi nông nghiệp đóng g		So thinking of 2012, how much did on-farm		vork co	ntribute	to you	r
1)	nhiêu vào sinh kế của anh/chị (sản xuất lương thực và thu nhậ Sử dụng chức năng thanh trượt trong iSurvey tại góc bên trái c làm nông nghiệp và bên phải chỉ 100% làm phi nông nghiệp		livelihood (food production and income) bad Use slider function in iSurvey, where the left right 100% off-farm work		s 100%	on-far	m and t	he
		0,		14// 0400 /			01	
C.9c	Dự án ICAM (trong đó có tổ chức CARE, Hội Liên hiệp Phụ nữ NN&PTNT, Sở TNMT, PCLB) có đóng góp vào sự thay đổi này Không, ICAM không đóng vai trò quan trọng		Has the ICAM project (which included Care CCRD) played any role behind this change No, it did not play a role		ONRE	,	Chuyể sang c	
2)	Có, ICAM đóng vai trò quan trọng tích cực ngang với các yếu t khác	ố/tổ chức	Yes, it played a positive role amongst other	S			<b>→</b> C	: 10
3)	Có, ICAM đóng vai trò chính		Yes, it played the main role				, ,	
99)	Tôi không biết		I don't know					
C.10	Từ năm 2012 đến nay, tình trạng sinh kế chung của gia đình a xuất lương thực và thu nhập) có thay đổi gì không? [O.3, OC2.		Since 2012, has your household's overall li production and income) changed? [O.3, O.0]		ion (foo	od	Chuyê sang d	
1)	Có, bây giờ chúng tôi trở nên <b>tốt hơn</b> so với năm 2012.		Yes, we are now <b>better</b> off than in 2012.	_			→ C.	.10a
2)	Không, sinh kế không thay đổi		No, it hasn't changed.				<b>→</b> C	
3)	Vâng, bây giờ chúng tôi trở nên <b>tệ hơn</b> năm 2012		Yes, we are now worse off than in 2012.				→ C.	
99)	Tôi không biết		l don't know				→ C	:.11
C. 10a 1)	Dự án ICAM (bao gồm tổ chức CARE, Hội Liên hiệp Phụ nữ, S NN&PTNT, Sở TNMT, PCLB) có đóng góp vào sự thay đổi này Không, ICAM không đóng vai trò quan trọng		Has the ICAM project (which included Care CCRD) played any role behind this change No, it did not play a role		ONRE	,	Chuyé sang d	
2)	Có, ICAM đóng vai trò quan trọng tích cực ngang với các yếu t	ố/tổ chức	Yes, it played a positive role amongst other	S				
3)	khác Có, ICAM đóng vai trò chính		Yes, it played the main role				<b>→</b> C	.11
99)	Tôi không biết		I don't know					
	All No 6	/- I- : 1 0	La colo de la constata de la colo	<b>1</b>				
C. 11	Những vấn đề bất kỳ sau đây ảnh hưởng đến sinh kế của anh. năm qua như thế nào?	cni trong 3	In what way did any of the following factors effect on your livelihood over the past four y		۵	'n	듄	'n
	·				ıg ál	hưở	īg ài	hưở
	Lưu ý quan trọng: các điều tra viên cần hiểu sự khác biệt g "không ảnh hưởng" và "không áp dụng"	giữa	NOTE: It is CRUCIAL that enumerators u the difference between 'no effect' and 'n applicable'.		1) Không áp dụng	2) Ảnh hưởng tích cực	3) Không ảnh hưởng	4) Ảnh hưởng tiêu cực
C.11.1	Bất kỳ sự thay đổi về thời tiết		Any changes in the weather					
C.11.2	Bất kỳ sự thay đổi về thị trường (cách tiếp cận/giá cả)		Any changes in the market (access/prices)					
C.11.3	Bất kỳ sự thay đổi về kỹ thuật canh tác		Any changes in cultivation techniques					
C.11.4	Áp dụng mùa vụ có khả năng chống chịu với thời tiết		Adoption of climate-resilient crops					
C.11.5	Bất kỳ yếu tố khác (liên quan đến dự án)		Any other factors (related to the project)					
C.11.6	Bất kỳ yếu tố khác (không liên quan đến dự án, ví dụ chính sác	:h)	Any other factors (unrelated to the project)					
C. 12	Gia đình của anh/chị có tiếp cận các thông tin dự báo thời tiết không? [0.2]	nùa vụ	Does your household have access to seaso [0.2]	onal weather fo	recasts	s?	Chuyê sang d	
1)	Có Có		Yes				→ C.	12a
2)	Không		No				→ C.	
99)	Tôi không biết		I don't know				→ C.	13
C. 12a	Gia đình anh/chị có sử dụng các thông tin dự báo thời tiết mùa không? <mark>[O.2]</mark>	vụ này	Does your household use this climate infor	mation? [O.2]			Chuyển sang câu	
1)	Có Mhâna		Yes				→ C.	12b
2) 99)	Không Tôi không biết		No I don't know				→ C.	13
<u>C.</u> 12b	Anh/chị sử dụng các thông tin dự báo thời tiết mùa vụ để làm g lựa chọn]	ì? [Nhiều	In what way do you use these seasonal weather forecasts? [Select all that apply]					ly]
1)	Chọn các loại cây trồng mà tôi canh tác		To select the types of crops that I plant					]
2)	Quyết định thời gian trồng trọt và thu hoạch		To decide on the timing of planting and har	vesting				]
3)	Quyết định kỹ thuật canh tác phù hợp nhất		To decide on the most suitable cultivation to	echnique				]
4)	Đưa ra các kế hoạch chuẩn bị khác		To make other preparations					
99)	Tôi không biết		I don't know					
Nhóm C.13/ C.14	Tôi muốn biết thêm về cách làm sinh kế của anh/chị, tôi sẽ liệt kệ các kế hoạch khác nhau và sau đó anh/chị sẽ cho biết là đã thực hiện kế hoạch nào trong năm 2014 và 2012	will list vario	to ask you about your livelihood strategies. I us strategies and then ask whether you strategy in 2014, and in 2012.	C.13 Gia đìni anh/chị đã th hiện công vi này năm 201 chưa?	nực ệc	anh/c hiện c	Gia đình hị đã thự công việ ăm 2012 ?	μC C
Hoạt đ	ộng nông nghiệp - On-farm work							
1)	Vụ mùa sản xuất để tiêu thụ gia đình		ction for household consumption					
2)	Vụ mùa sản xuất để bán/tạo ra thu nhập		ction for sales/income-generation					
3)	Sản xuất chăn nuôi và sản phẩm chăn nuôi		of animals and animal products					
4) 5)	Lao động nông nghiệp (tạm thời, theo mùa, thường xuyên)  Công việc nông nghiệp khác	Agricultural Other on-fai	worker (casual, seasonal, permanent)					
	cong riço nong nginep kilac	Outer Off-igi	#VII\	ı 🗆			$\Box$	

5)

	iộng phi nông nghiệp - Off-farm work				
6)	Lao động có kỹ năng (thợ mộc, cơ khí v.v)	Skilled labour (carpentry, metal work etc)			
7)	Đánh bắt cá	Fishing			
8)	Hoạt động buôn bán nhỏ (bán hàng rong, bán lẻ)	Small business activities (street vending, shop keeping)			
9)	Công chức (chính phú, NGO, khu vực tư nhân)	Formal employee (government, NGO, private sector)			
10)	Sản xuất hàng thủ công	Handicraft production			
11)	Kiều hối (ngoại kiều, Việt kiêều, người Việt trong nước gửi	Remittances (foreign, domestic)			
40)	vė)				_
12)	Những sản phẩm từ rừng nhưng không phải gỗ	Non-timber forest products			
13)	Việc làm phi nông nghiệp khác (bao gồm dệt may, thợ xây	Other off-farm work (such as garment production,			
	dựng, lao động di cư thường xuyên và theo mùa vụ)	construction, seasonal or permanent migration)			
Nhóm	Tôi muốn biết thêm về các kế hoạch thích ứng của anh/chị,	I would like to ask you about your adaptation strategies.	C.15. Gia đình		ia đình bạr
C.15/	tôi sẽ liệt kê các kế hoạch và sau đó anh/chị cho biết là đã	I will list various strategies. I will then ask whether you	anh/chị có áp		dụng chiến
C.16	thực hiện kế hoạch nào trong năm 2014 và cho biết rằng	applied the strategy in 2014, and whether you	dụng chiến lược này trong năm		ày trong 3 ua không?
	anh/chị có thực hiện các chiến lược này trong 3 năm qua	introduced it over the past three years.	2014 không?	······· <b>-</b>	
Thíoh	chưa. ứng biến đổi khí hậu - Climate adaptation				
1)	Thay đổi cây trồng có khả năng thích ứng với biến đổi khí	Adoption of climate-resilient crops		Т.	
',	hâu	Adoption of dimate-resilient crops			
2)	Điều chỉnh thời gian canh tác	Adjustment of planting times			
3)	Tiết kiệm và dự trữ hạt giống	Seed saving and storage			
l)	Đị làm thuê	Casual labour (e.g. seasonal migration)			
5)	Làm vườn	Home gardening		1	
8)	Thủy lợi	Irrigation			
<u>')</u> ')	Úng dung phương pháp canh tác mới	New agricultural practices		+	
3)	Trồng thêm/lại cây xanh			+	
		Tree replanting		1	
9)	Hứng và trữ nước mưa	Rainwater harvesting/impounding		1	
10)	Dự trữ nước	Water storage		1	
11)	Tạm thời không cho trẻ em đi học	Removing children from school		-	
2)	Sử dụng vốn vay để đa dạng hóa thu nhập	Use of loans for income diversification			
13)	Tiết kiệm lương thực thực phẩm	Rationing food			
Nhóm	Tôi muốn biết thêm về cách làm sinh kế của anh/chi, tôi sẽ	I would like to ask you about your livelihood strategies. I	C.17. Gia đình	C 18 G	ia đình
C.17/	liệt kệ một vài cách làm và sau đó anh/chị cho biết là đã	will list various strategies and then ask whether you	anh/chị có áp	anh/ch	
C.18	thực hiện kế hoạch nào trong năm 2014 và 2012	applied the strategy in 2014, and in 2012.	dụng cách làm		ách làm
		, ,	này trong năm 2014 không?	2012?	ng năm
Thực	hiện thích ứng biến đổi khí hậu - Climate-resilient practices		2014 Kilong.		
)	Sản xuất nấm rơm trong nhà	Indoor mushroom production		T	
<u>,                                     </u>	Trồng rau mầm	Sprout vegetables	_	1	
3)	Nuôi lợn thảm lót sinh học	Pig-raising with bio-bedding			
1)	Nuôi gà thảm lót sinh học	Chicken-raising with bio-bedding			
5)	Quản lý dịch bệnh tổng hợp	Integrated pest management			
6)	Sản xuất hoặc/và sử dụng phân bón sinh học/ hữu cơ	Production and use of bio-fertilizer		_	П
<u> </u>	Can xuac nogo, va oa aging phan bon omin ngo, na a oo	1 Toddottoff difd doc of bio fortilizor		1	
C.19/	Gia đình anh/chị đã trồng bao nhiêu loại cây trồng và hoa	How many different crops and vegetables did your	C.19 năm	C.20	.năm 2012?
C.20	màu khác nhau	household plant	2014?		
1)	Số loại cây trồng/hoa màu	Number of different crops/vegetables			
C.	Trong vòng 3 năm qua, có bất kỳ ai trong gia đình anh/chị đi	Over the past three years, have anyone in your household	d held any loan?		Chuyể sang
21	vay không?				câu
1)	Có vay	Yes			<b>→</b>
					C.21a
2)	Không vay	No			→ C.2
99)	Tôi không biết	I don't know			→ C.2
<b>)</b> .	Ai cung cấp các khoản vay này?	Who provided these loans?			Chuyển
21a	Ar oung cap cac knoan vay nay!	vino provided diese loans:			sang
					câu
1)	Ngân hàng	A bank			↓ 、
2)	Hội Liên hiệp Phụ nữ	The Women's Union			→ C 21h
3)	Những người cho vay (lấy lãi)	A money lender (with interest)			C.21b
4)		Relatives, friends or neighbours (no interest)			<b>→</b>
	Họ hàng, bạn bè hay hàng xóm (không lấy lãi)				C.21b
99)	Họ hàng, bạn bè hay hàng xóm (không lấy lãi)  Tôi không biết	I don't know			1
99)		I don't know			
	Tôi không biết				
C.		I don't know  What was the main use of these loans?			
C.	Tôi không biết				Chuyểi sang câu
C.	Tôi không biết				sang câu
C. 21b	Tôi không biết  Mục đích chính của khoản vay là gi?  Đầu tư vào các hoạt động nông nghiệp có khả năng thích ứng biến đổi khí hậu	What was the main use of these loans?			sang câu
). :1b	Tôi không biết  Mục đích chính của khoản vay là gi?  Đầu tư vào các hoạt động nông nghiệp có khả năng thích ứng biến đối khí hậu  Đầu tư vào hoạt độngnông nghiệp khác	What was the main use of these loans?  Investment in climate-resilient agriculture  Investment in other agriculture			sang câu
). :1b 1)	Tôi không biết  Mục đích chính của khoản vay là gi?  Đầu tư vào các hoạt động nông nghiệp có khả năng thích ứng biến đổi khí hậu  Đầu tư vào hoạt độngnông nghiệp khác  Đầu tư vào hoạt động phi nông nghiệp (ví dụ, buôn bán	What was the main use of these loans?  Investment in climate-resilient agriculture			sang câu
2) 21b 1) 2) 3)	Tôi không biết  Mục đích chính của khoản vay là gi?  Đầu tư vào các hoạt động nông nghiệp có khả năng thích ứng biến đối khí hậu  Đầu tư vào hoạt độngnông nghiệp khác  Đầu tư vào hoạt động phi nông nghiệp (ví dụ, buôn bán nhỏ)	What was the main use of these loans?  Investment in climate-resilient agriculture  Investment in other agriculture  Investment in off-farm activities (small business)			sang câu →
2) 21b 1) 2) 3) 4)	Tôi không biết  Mục đích chính của khoản vay là gi?  Đầu tư vào các hoạt động nông nghiệp có khả năng thích ứng biến đổi khí hậu  Đầu tư vào hoạt độngnông nghiệp khác  Đầu tư vào hoạt động phi nông nghiệp (ví dụ, buôn bán nhỏ)  Gia cố nhà/ mua tài sản đồ đạc	What was the main use of these loans?  Investment in climate-resilient agriculture  Investment in other agriculture  Investment in off-farm activities (small business)  Enhancing house/property			sang câu → C.21c
1) 2) 2) 3)	Tôi không biết  Mục đích chính của khoản vay là gi?  Đầu tư vào các hoạt động nông nghiệp có khả năng thích ứng biến đổi khí hậu  Đầu tư vào hoạt độngnông nghiệp khác  Đầu tư vào hoạt động phi nông nghiệp (ví dụ, buôn bán nhỏ)  Gia cố nhà/ mua tài sản đồ đạc  Khám chữa bệnh/ tình huống khẳn cấp	What was the main use of these loans?  Investment in climate-resilient agriculture  Investment in other agriculture  Investment in off-farm activities (small business)			sang câu → C.21c
2) 2) 3) 4)	Tôi không biết  Mục đích chính của khoản vay là gi?  Đầu tư vào các hoạt động nông nghiệp có khả năng thích ứng biến đổi khí hậu  Đầu tư vào hoạt độngnông nghiệp khác  Đầu tư vào hoạt động phi nông nghiệp (ví dụ, buôn bán nhỏ)  Gia cố nhà/ mua tài sản đồ đạc	What was the main use of these loans?  Investment in climate-resilient agriculture  Investment in other agriculture  Investment in off-farm activities (small business)  Enhancing house/property			sang câu → C.21c
2) 2) 3) 4) 5)	Tôi không biết  Mục đích chính của khoản vay là gi?  Đầu tư vào các hoạt động nông nghiệp có khả năng thích ứng biến đổi khí hậu  Đầu tư vào hoạt độngnông nghiệp khác  Đầu tư vào hoạt động phi nông nghiệp (ví dụ, buôn bán nhỏ)  Gia cố nhà/ mua tài sản đồ đạc  Khám chữa bệnh/ tình huống khẳn cấp	What was the main use of these loans?  Investment in climate-resilient agriculture  Investment in other agriculture  Investment in off-farm activities (small business)  Enhancing house/property  Medical care/emergencies			sang câu → C.21c
2) 1) 2) 3) 4) 5) 6)	Tôi không biết  Mục đích chính của khoản vay là gi?  Đầu tư vào các hoạt động nông nghiệp có khả năng thích ứng biến đổi khí hậu  Đầu tư vào hoạt độngnông nghiệp khác  Đầu tư vào hoạt động phi nông nghiệp (ví dụ, buôn bán nhỏ)  Gia cổ nhà/ mua tài sản đồ đạc  Khám chữa bệnh/ tình huống khẳn cấp  Đảm tiệc, sử dụng mục đích cá nhân khác  Tôi không biết	What was the main use of these loans?  Investment in climate-resilient agriculture  Investment in other agriculture Investment in off-farm activities (small business)  Enhancing house/property Medical care/emergencies Ceremonies, other personal use I don't know			sang câu → C.21c
2) 2) 3) 4) 5) 6) 99)	Tôi không biết  Mục đích chính của khoản vay là gi?  Đầu tư vào các hoạt động nông nghiệp có khả năng thích ứng biến đổi khí hậu  Đầu tư vào hoạt động nông nghiệp khác  Đầu tư vào hoạt động phi nông nghiệp (ví dụ, buôn bán nhỏ)  Gia cố nhà/ mua tài sản đồ đạc  Khám chữa bệnh/ tình huống khắn cấp  Đẩm tiệc, sử dụng mục đích cá nhân khác  Tôi không biết  Về kết quả sau khi vay vốn, câu nào sau đây có thể được	What was the main use of these loans?  Investment in climate-resilient agriculture  Investment in other agriculture Investment in off-farm activities (small business)  Enhancing house/property Medical care/emergencies Ceremonies, other personal use I don't know  Concerning the outcomes of having this loan, which of the	e following statemen		sang câu → C.21c  → C.2
2) 3) 4) 5) 6) 99)	Tôi không biết  Mục đích chính của khoản vay là gi?  Đầu tư vào các hoạt động nông nghiệp có khả năng thích ứng biến đổi khí hậu  Đầu tư vào hoạt độngnông nghiệp khác  Đầu tư vào hoạt động phi nông nghiệp (ví dụ, buôn bán nhỏ)  Gia cổ nhà/ mua tài sản đồ đạc  Khám chữa bệnh/ tình huống khẳn cấp  Đảm tiệc, sử dụng mục đích cá nhân khác  Tôi không biết	What was the main use of these loans?  Investment in climate-resilient agriculture  Investment in other agriculture Investment in off-farm activities (small business)  Enhancing house/property Medical care/emergencies Ceremonies, other personal use I don't know	e following statemen		sang câu → C.21c
2) 2) 3) 4) 5) 6) 99)	Tôi không biết  Mục đích chính của khoản vay là gi?  Đầu tư vào các hoạt động nông nghiệp có khả năng thích ứng biến đổi khí hậu  Đầu tư vào hoạt động nông nghiệp khác  Đầu tư vào hoạt động phi nông nghiệp (ví dụ, buôn bán nhỏ)  Gia cố nhà/ mua tài sản đồ đạc  Khám chữa bệnh/ tình huống khắn cấp  Đẩm tiệc, sử dụng mục đích cá nhân khác  Tôi không biết  Về kết quả sau khi vay vốn, câu nào sau đây có thể được	What was the main use of these loans?  Investment in climate-resilient agriculture  Investment in other agriculture Investment in off-farm activities (small business)  Enhancing house/property Medical care/emergencies Ceremonies, other personal use I don't know  Concerning the outcomes of having this loan, which of the	e following statemen		sang câu  → C.21c  → C.22
21b 1) 2) 3) 4) 5) 6) 99)	Tôi không biết  Mục đích chính của khoản vay là gi?  Đầu tư vào các hoạt động nông nghiệp có khả năng thích ứng biến đổi khí hậu  Đầu tư vào hoạt động nông nghiệp khác  Đầu tư vào hoạt động phi nông nghiệp (ví dụ, buôn bán nhỏ)  Gia cổ nhà/ mua tài sản đồ đạc  Khám chữa bệnh/ tình huống khẳn cấp  Đám tiệc, sử dụng mục đích cá nhân khác  Tôi không biết  Về kết quả sau khi vay vốn, câu nào sau đây có thể được áp dụng cho trường hợp của anh/chị? (Nhiều lựa chọn)	What was the main use of these loans?  Investment in climate-resilient agriculture  Investment in other agriculture  Investment in off-farm activities (small business)  Enhancing house/property  Medical care/emergencies  Ceremonies, other personal use  I don't know  Concerning the outcomes of having this loan, which of the applies to you? (Multiple selections)	e following statemen		câu  → C.21c  → C.2.2.  Chuyểr sang câu
2) 1) 2) 3) 4) 5) 6) 99) C.	Tôi không biết  Mục đích chính của khoản vay là gi?  Đầu tư vào các hoạt động nông nghiệp có khả năng thích ứng biến đổi khí hậu  Đầu tư vào hoạt động nông nghiệp khác  Đầu tư vào hoạt động nông nghiệp (ví dụ, buôn bán nhỏ)  Gia cố nhà/ mua tài sản đồ đạc  Khám chữa bệnh/ tình huống khắn cấp  Đảm tiệc, sử dụng mục đích cá nhân khác  Tôi không biết  Về kết quả sau khi vay vốn, câu nào sau đây có thể được áp dụng cho trường hợp của anh/chị? (Nhiều lựa chọn)  Tôi đã có khả năng kiểm tiền nhiều hơn	What was the main use of these loans?  Investment in climate-resilient agriculture  Investment in other agriculture  Investment in off-farm activities (small business)  Enhancing house/property  Medical care/emergencies  Ceremonies, other personal use  I don't know  Concerning the outcomes of having this loan, which of the applies to you? (Multiple selections)  I have been able to earn more money.	e following statemen		sang câu  → C.21c  Chuyểr sang
1) 2) 3) 4) 5) 6) 99)	Tôi không biết  Mục đích chính của khoản vay là gì?  Đầu tư vào các hoạt động nông nghiệp có khả năng thích ứng biến đối khí hậu  Đầu tư vào hoạt động phi nông nghiệp khác  Đầu tư vào hoạt động phi nông nghiệp (ví dụ, buôn bán nhỏ)  Gia cố nhà/ mua tài sản đồ đạc  Khám chữa bệnh/ tình huống khắn cấp  Đám tiệc, sử dụng mục đích cá nhân khác  Tôi không biết  Về kết quả sau khi vay vốn, câu nào sau đây có thể được áp dụng cho trường hợp của anh/chị? (Nhiều lựa chọn)  Tôi đã có khả năng kiếm tiền nhiều hơn  Tôi đã có khả năng đa dạng hóa nguồn thu nhập	What was the main use of these loans?  Investment in climate-resilient agriculture  Investment in other agriculture  Investment in off-farm activities (small business)  Enhancing house/property  Medical care/emergencies  Ceremonies, other personal use I don't know  Concerning the outcomes of having this loan, which of the applies to you? (Multiple selections)  I have been able to earn more money. I have been able to diversify income.	e following statemen	ts	sang câu  → C.21c  → C.21c  Chuyết sang câu

C. 22	Bạn có thể mô tả mức độ giải quyết rủi ro của biến đối khí hậu của gia đình anh/chị chẳng hạn như mưa bất thường, khó đoán trước hay mưa quá nhiều thế nào?	How would you describe your household's ability to address climate risks su irregular and unpredictable or extreme rainfall?	ch as	Chuyển sang câu
1)	Cao	High		
2)	Trung bình	Moderate		
3)	Thấp	Low		→ C.23
99)	Tôi không biết	I don't know		
C. 23	Câu nào sau đâu mô tả tốt nhất về gia đình anh/chị?	Which of the following statements best describes your household?		Chuyến sang câu
1)	A Bây giờ chúng tôi thích ứng tốt hơn và chuẩn bị cẩn thận hơn cho biến đổi khí hậu so với cách đây 3 năm	We are now better-adapted and more prepared for climate change than four years ago.		→ C.23a
2)	→ Chúng tôi không có sự thay đổi nào về khả năng ứng phó với biển đổi khí hậu so với cách đây 3 năm.	→ Over the past four years, there has been <b>no change</b> in our ability to face climate change.		→ D.1
3)	■ Chúng tôi bây giờ chuẩn bị kém hơn với thay đổi của biến đổi khí hậu so với cách đây 3 năm	■ We are now less prepared for climate change than we were four years ago.  ■ The state of		→ D.1
99)	Tôi không biết	I don't know		→ D.1
0	The	La constituit de color de colo	D400	Chà
C. 23a	Theo quan điểm của anh/chị, dự án ICAM (bao gồm tổ chức CARE, Hội Liên hiệp Phụ nữ, Sở NN&PTNT, Sở TNMT, PCLB) đóng vai trò gì trong sự cải thiện này?	In your view, to what extent has the ICAM project (which included Care WU, DONRE, CCRD) played a role behind this improvement?	DARD,	Chuyển sang câu
1)	Vai trò chính	Main positive role		
2)	Vai trò tích cực ngang với các yếu tố/tổ chức khác	Positive role amongst others		→ D.1
3)	Không đóng vai trò nào	No role		
99)	Tôi không biết	I don't know		

## PHẦN D | GIẢM THIỀU RỬI RO THIỆN TAI – DISASTER RISK REDUCTION.....

D.1	Gia đình anh/chị chuẩn bị ứng phó với thiên tai như thế nào?	How prepared is your household to handle a disaster?				
1)	[++] Chuấn bị rất tốt	[++] Very prepared				
2)	[+] Chuẩn bị tương đối tốt	[+] Somewhat prepared				
3)	[-] Gần như không chuẩn bị	[-] Somewhat unprepared			→ D.2	
4)	[]Hoàn toàn không chuẩn bị	[] Very unprepared				
99)	Tôi không biết	I don't know				
D.2	So với cách đây 3 năm, <b>hộ gia đình</b> anh/chị ngày hôm nay có thể ứng phó với thiên tai nhiều hay ít hơn?	Compared to four years ago, is your <b>household</b> today more or less able to handle a disaster?				
1)	<b>Ϡ</b> Nhiều hơn	<b>Ϡ</b> More able				
2)	→ Không thay đổi	→ No change			→ D.3	
3)	1 It hon	■ Less able			→ D.3	
99)	Tôi không biết	I don't know			→ D.3	
D.2a	Theo quan điểm của anh/chị, dự án ICAM đóng vai trò như thế nào trong sự thay đổi này?	In your view, to what extent has the ICAM project played a role behind this improvement?				
1)	Vai trò chính	Main positive role			]	
2)	) Vai trò tích cực ngang với các yếu tố/tổ chức khác Positive role amongst others				→ D.3	
3)					7 0.3	
99)	Tôi không biết	I don't know				
D.3	Câu nào câu đây mô tả tốt nhất về gia đình anh/chị?	Which of the following statements best describes your household?				
1)	Chúng tôi không có bất kỳ sự chuẩn bị cho thiên tai hoặc tình huống khẫn cấp nào <i>và chúng tôi không có kế hoạch đó</i>	We have not done anything to prepare for a disaster or emergine do not plan to	ency <b>and</b>			
2)	Chúng tôi không có bất kỳ sự chuẩn bị cho thiên tai hoặc tình huống khẩn cấp nào <i>nhưng chúng tôi có kế hoạch những</i> tháng sắp tới	We have not done anything to prepare for a disaster or emerg- we plan to in the coming months	ency <b>but</b>		→ D.4	
3)	Chỉ gần đây chúng tôi đã bắt đầu chuẩn bị cho thiên tai hoặc các tình huống khẩn cấp	We just recently began preparing for a disaster or emergency				
4)	Chúng tôi đã chuẩn bị cho thiên tai và tình huống khẩn cấp	We are prepared for a disaster or emergency				
Nhóm D.4			1) Có	2) Không	99) Tôi không biết	
D.4.1	Người dân trong ấp có thường xuyên nhận được cảnh báo trước về bão không?	Are villagers usually warned ahead of a storm?				
D.4.2	Ấp của anh/chị có kế hoạch phòng chống thiên tai hay tình huống khẩn cấp không?	Does your village have a disaster response or emergency plan?				
D.4.3	Áp của anh/chị có thành lập một đội trong xóm/ấp (ví dụ đội Cứu hộ cứu nạn) để quyết định những việc cần làm khi có thiên tai và tình huống khẩn cấp không?	Does your village have an organized group (such as a rescue team) that decides what to do in disasters or emergencies?				
D.4.4	Người dân trong ấp có được tập huấn trợ giúp lẫn nhau trong tình huống có thiên tai không?	Have villagers been trained to assist others in the event of a disaster?				
D.4.5	Xóm/ấp của anh/chị có tuyến đường sơ tán dân khi thiên tai không?	Does your community have evacuation routes?				
D.4.6	Xóm/ấp của anh/chị có nơi trú ẩn cho người dân khi có thiên tai không?	Does your community have a shelter identified where people can go in the event of a disaster?				

D.5	Nói chung, <b>xóm/ấp</b> của anh/chị ứng phó với thiên tai như thế nào?	Overall, how prepared is your <b>community</b> to handle a disaster?		Chuyển sang câu	
1)	[++] Chuẩn bị rất tốt	[++] Very prepared			
2)	[+] Chuẩn bị tương đối tốt	[+] Somewhat prepared		1	
3)	[-] Gần như không chuẩn bị	[-] Somewhat unprepared		→ D.6	
4)	[]Hoàn toàn không chuẩn bị	[] Very unprepared		1	
99)	Tôi không biết	I don't know			
D.6	So với cách đây 3 năm, <b>xóm/ấp</b> của anh/chị ngày nay có thể ứng phó với thiên tai tốt hơn hay kém hơn	Compared to four years ago, is your <b>community</b> today more or less able to handle a disaster?			
1)	Có thể tốt hơn	7 More able		→D.6a	
2)	→ Không thay đổi	→ No change		→ E.0	
3)	■ Có thể kém hơn	1 Less able		→ E.0	
99)	Tôi không biết	I don't know		→ E.0	
D.6a	Theo quan điểm của anh/chị, dự án ICAM (bao gồm tổ chức CARE, Hội Liên hiệp Phụ nữ, Sở NN&PTNT, Sở TNMT, PCLB) đóng vai trò như thể nào trong sự thay đổi này?	In your view, to what extent has the ICAM project (which included Care, V DARD, DONRE, CCRD) played a role behind this improvement?	your view, to what extent has the ICAM project (which included Care, WU, ARD, DONRE, CCRD) played a role behind this improvement?		
1)	Vai trò chính	Main positive role			
2)	Vai trò tích cực ngang với các yếu tố/tổ chức khác	Positive role amongst others		→ E.0	
3)	Không đóng vai trò nào	No role		→ E.U	
99)	Tôi không biết	I don't know			

## PHẦN E | VẨN ĐỀ GIỚI - GENDER.....

E	.0	Tinh trạng hôn nhân của anh/chị?	What is your civil status?	Chuyền sang câu
	1)	Đã kết hôn	Married	→ E.1
	2)	Độc thân, ở góa, li thân hay đã li dị	Single, widowed or divorced	→ E.4

Nhóm E.1	Ai trong <b>hộ gia đình</b> anh/chị	Who in your household	1) Chỉ có nam	2) Phần lớn là nam	3) Nam và nữ như nhau	4) Phần lớn là nữ	5) Chỉ có nữ	99) Tôi không biết
E.1.1	quyết định cách chi tiêu nguồn thu nhập của gia đình?	decides what to do with family income?						
E.1.2	tham dự các cuộc họp hay hoạt động của xóm ấp?	attends meetings or activities in the village?						
E.1.3	quyết định gia đình sẽ trồng cái gì, khi nào và ở đâu (cây trồng để ăn)	decides what to plant, when and where (food crops)?						
E.1.4	quyết định gia đình sẽ trồng cái gì, khi nào và ở đâu (cây trồng mang lại thu nhập)	decides what to plant, when and where (cash crops)?						
E.1.5	quyết định các hình thức đầu tư nông nghiệp?	decides on agricultural investments?						
E.1.6	quyết định các hình thức đầu tư phi nông nghiệp?	decides on non-agricultural investments?						
E.1.7	chăm lo cho bữa ăn?	prepares food?						
E.1.8	chăm sóc cho con nhỏ?	cares for children?						

E.2	Mô tả nào dưới đây phủ hợp nhất với gia đình của anh/chị?	Which of the following statements best applies to your household?				
1)	Trong 3 năm vừa qua, <b>nam giới có ảnh hưởng lớn hơn</b> trong việc ra quyết đinh của hô gia đình.	Over the past three years, men have gained more influence in household decisions.		→ E.2a		
2)	Trong 3 năm vừa qua, <b>không có thay đổi</b> nào về vai trò nam giới và nữ giới trong việc ra quyết định của hộ gia đình.	Over the past three years, there has been <b>no change</b> in the way men and women make household decisions		→ E.3		
3)	Trong 3 năm vừa qua, <b>nữ giới có ảnh hưởng lớn hơn</b> trong việc ra quyết định của hộ gia đình.	Over the past three years, women have gained more influence in household decisions.		→ E.2a		
99)	Tôi không biết	I don't know		→ E.3		

E.2a	Lí do chính trong sự thay đổi về tầm ảnh hưởng của nam giới và nữ giới trong việc ra quyết định trong gia đình anh/chị? (KHÔNG ĐỌC CÁC LỰA CHỌN CHO NGƯỜI ĐƯỢC KHẢO SÁT)	What is the main reason for this change? (DO NOT READ OPTIONS)	Chuyền sang câu
1)	Các yếu tố liên quan đến dự án của tổ chức CARE	Factors related to the CARE project	
2)	Các yếu tố khác	Other factors	→ E.3
99)	Tôi không biết	I don't know	

E.3	Trong vòng 3 năm qua, khối lượng công việc của nữ giới trong gia đình có sự thay đổi nào không?	Over the past four years, has the workload of the women in your household changed?			
1)	Có, khối lượng công việc của nữ giới gia tăng.	Yes, it has increased		→ E.3a	
2)	Không	No		→ E.4	
3)	Có, khối lượng công việc của nữ giới giảm đi.	Yes, it has decreased		→ E.3a	
99)	Tôi không biết	I don't know		→ E.4	

E.3a	Lí do chính trong thay đổi khối lượng công việc của nữ giới trong gia đình? (KHÔNG ĐỌC CÁC LỰA CHỌN CHO NGƯỜI ĐƯỢC KHẢO SÁT)  What is the main reason for this change? (DO NOT READ OPTIONS)		Chuyền sang câu	
1)	Các yếu tố liên quan đến dự án của tổ chức CARE	Factors related to the CARE project		
2)	Các yếu tố khác	Other factors		→ E.4
99)	Tôi không biết	I don't know		

Nhóm E.4	Ai ở <b>xóm/ ấp</b> của anh/chị	Who in your communit	ty	1) Chỉ có nam	2) Phần lớn là nam	3) Nam và nữ như nhau	4) Phần lớn là nữ	5) Chỉ có nữ	99) Tôi không biết
E.4.1	tham gia vào các cuộc họp trong ấp?	takes part in village n	neetings?						
E.4.2	phát biểu trong suốt cuộc họp trong ấp?	speaks during village	speaks during village meetings?						
E.4.3	ảnh hưởng đến quyết định về những vấn đề của ấp?	ŭ							
E.4.4	ra quyết định về những vấn đề của ấp?	makes decisions about village affairs?represents the village vis-à-vis the government?							
E.4.5	đại diện cho ấp trước chính quyền địa phương?	represents the village	represents the village vis-à-vis the government?						
E.4.6	tiến hành các công việc tình nguyên?	conducts volunteer w	conducts volunteer work?						
E.4.7	có trách nhiệm với các tổ chức cấp địa phương?	is involved in village-l	based organisations?						
E.5	Mô tả nào dưới đây phù hợp nhất với x	óm/ấp của anh/chị?	Which of the following state	ements bes	t applies to	our commu	ınity?		Chuyển sang câu
1)	Trong vòng 3 năm qua, <b>nam giới ảnh</b> việc ra quyết định của xóm/ấp.	hưởng lớn hơn trong	Over the past three years, community decisions.	men have	gained mor	e influence	in		→ E.5a
2)	Trong vòng 3 năm qua, <b>không có thay</b> hưởng của nam giới và nữ giới trong vi xóm/ấp.		Over the past three years, and women make commun			nge in the v	vay men		→ F.1
3)	Trong vòng 3 năm qua, <b>nữ giới có ản!</b> các quyết định của xóm ấp.	n hưởng lớn hơn đến	Over the past three years, community decisions.	women ha	ve gained n	nore influe	nce in		→ E.5a
99)	Tôi không biết		I don't know						→ F.1
E.5a	Lí do chính trong sự thay đổi tầm ảnh h nữ giới trong việc ra quyết định của xór		What is the main reason fo	r this chang	ge? ( <b>DO NO</b>	T READ OF	PTIONS)		Chuyến

# nữ giới trong việc ra quyết định của xóm/áp? (KHÔNG ĐỌC CÁC LỰA CHỌN CHO NGƯỜI ĐƯỢC KHẢO SÁT) 1) Các yếu tố liên quan đến dự ân của tổ chức CARE 2) Các yếu tố khác Other factors □ 99) Tôi không biết I don't know

### PHẦN F | NĂNG LỰC CỦA CỘNG ĐỒNG - COMMUNITY CAPACITY.......

F.1	Giả sử ấp của anh/chị muốn thực hiện các hoạt động mang lại phúc lợi chung và cải thiện chung cho ấp nhưng lại không mang lại lợi ích trực tiếp cho gia đình anh/chị. Anh/chị sẽ hỗ trợ cho hoạt động này như thế nào?	Suppose your village were to implement an activity that would benefit the o welfare and conditions of the village - but that would not bring direct benefit your household. How likely is it that you would support this activity?		
1)	Hỗ trợ hết khả năng	Very likely		
2)	Hỗ trợ theo khả năng	Likely		
3)	Không hỗ trợ	Unlikely		
4)	Hoàn toàn không hỗ trợ	Very unlikely		
99)	Tôi không biết	I don't know		
F.2	Mức độ người dân trong ấp đóng góp để làm cho ấp trở thành nơi tốt hơn đế sống như thế nào?	To what extent do people in this village contribute towards making the village better place to live?	ge a	
1)	Rất nhiều	To a great amount		
2)	Vừa phải	To a considerable amount		
3)	ĺt	To a small amount		
4)	Không	Not at all		
99)	Tôi không biết	I don't know		
F.3	Mức độ thường xuyên người dân đi họp để đề xuất nguyện vọng của họ đến các cấp chính quyền địa phương?	How often do villagers get together to jointly request government officials o political leaders with requests for action?	or	
1)	Mỗi tháng 1 lần hoặc nhiều hơn	Once a month or more often		
2)	Vài lần trong năm	Several times a year		
3)	Khoảng 1 năm 1 lần	About once every year		
4)	Ít hơn 1 năm 1 lần hoặc không bao giờ	Less than once a year or never		
99)	Tôi không biết	I don't know		
F.4	Nói chung, những nguyện vọng mà người dân cùng nhau đề xuất được chính quyền địa phương đáp ứng ở mức độ nào?	Overall, to what extent do these joint requests lead to the desired governm actions?	ent	
1)	Cao	To a great extent		
2)	Trung bình	To a moderate extent		
3)	Thấp	To a low extent		
99)	Tôi không biết	I don't know		
F.5	Câu nào sau đây áp dụng đúng nhất trong cộng đồng của anh/chị?	Which of the following statements best applies to your community?		Chuyến sang câu
1)	7 Hiện tại người dân ở đây cộng tác với nhau tốt hơn so với cách đây 3 năm	<b>&gt;&gt;</b> Villagers here are now working together <b>more</b> than three years ago.		→ F.5a
2)	¾ Hiện tại người dân ở đây cộng tác với nhau kém hơn so với cách đây 3 năm	3 Villagers here are now working together less than three years ago		→ F.5a
3)	→ Trong 3 năm vừa qua, mức độ mà người dân cộng tác với nhau không thay đổi so với cách đây 3 năm	→ Over the past three years, the extent to which villagers work together has not changed		→ F.6
99)	Tôi không biết	I don't know		→ F.6

F.5a	Lý do chính nào cho sự thay đổi này là gi? (KHÔNG ĐỌC CÁC LỰA CHỌN)	What is the main reason for this change? (DO NOT READ OPTIONS)		Chuyển sang câu
1)	Các yếu tố liên quan đến dự án của tổ chức CARE	Factors related to the CARE project		
2)	Các yếu tố khác	Other factors		→ F.6
99)	Tôi không biết	I don't know		
F.6	Trong một năm qua, anh/chị đã tham dự các cuộc họp lập kế hoạch nào trong xóm/ấp chưa?	Over the past year, did you participate in any community planning meeting	?	Chuyển sang câu
1)	Có	Yes		→ F.6a
2)	Không	No		→ G.1
99)	Tôi không biết	I don't know		7 6.1
F.6a	Điều gì là quan trọng nhất mà anh/chị học được khi tham dự trong các cuộc họp lập kế hoạch này?	What is the most significant thing you have learned in these meetings?		Chuyển sang câu
1)				<del>-&gt;</del> G.1

### PHẦN G ITỔNG KẾT DƯ ÁN – PROJECT REVIEW.

FIIA	N G   TONG KET DỰ AN - PROJECT REV	1 C V V		
G.1	Theo anh/chị, ai là người được hưởng lợi từ dự án trong toàn xóm/ấp của anh/chị?	In your view, who benefitted from the project?		Chuyển sang câu
1)	Tất cả các hộ gia đình trong ấp	All households in the village		→ G.2
2)	Phần lớn các hộ gia đình trong ấp	Most households in the village		→ G.1a
3)	Môt vài hộ gia đình trong ấp	A few households in the village		→ G.1a
4)	Không ai tại địa phương	Nobody in the village		→ G.2
99)	Tôi không biết	I don't know		→ G.2
0.4	· ·	D		Chuyển
<u>G.1a</u>	Việc lựa chọn hộ hưởng lợi dự án dựa trên tiêu chí nào?	Based on what criteria were households selected?		sang
1)	Hộ nghèo	Poor households		
2)	Hộ cận nghèo	Near-poor households		→ G.1b
3)	Các tiêu chí khác	Any other criteria		1
99)	Tôi không biết	I don't know		→ G.2
G.1b	Theo anh/chị, các tiêu chí này có công bằng không?	Do you think that these criteria were fair?		Chuyển sang câu
1)	Có	Yes		
2)	Không	No		→ G.2
99)	Tôi không biết	I don't know		
G.2	Trong 3 năm vừa qua, anh/chị có học được nội dung mới từ dự án của CARE không?	Over past three years, have you learned anything new from the CARE pro	oject?	Chuyển sang câu
1)	Có	Yes		→ G.3
2)	Không	No		→ G.4
99)	Tôi không biết	I don't know		→ G.7
G.3	Hiện tại anh/chị có đang áp dụng vào đời sống những gì đã học được từ dự án không?	To what extent do you currently apply what you have learned?		Chuyến sang câu
1)	Tôi áp dụngmọi thứ đã được học	I apply everything I have learned		→ G.5
2)	Tôi áp dụng phần lớn những gì được học	I apply most of what I have learned		→ G.4
3)	Tôi chưa áp dụng những thứ đã học, nhưng có kế hoạch áp dụng trong tương lai	I do not yet apply what I have learned, but plan to do so in the future		→ G.4
4)	Tôi không áp dụng	I do not apply anything I have learned		→ G.4
99)	Tôi không biết	I don't know		→ G.4
<u>G.4</u>	Những li do nào anh/chị <b>không</b> áp dụng kiến thức đã học? (KHÔNG ĐỌC CÁC LƯA CHỌN)	What are the reasons why you did <b>not</b> apply some of the things you have (DO NOT READ OPTIONS)	learned?	•
1)	Tôi <b>không có nguồn lực</b> để thực hiện những điều đã học	I do not have the resources to implement the changes		
2)	Tôi <b>không tự tin</b> để thực hiện những phương pháp mới	I do not feel confident in applying new techniques		
3)	Tôi không muốn việc kiếm sống của tôi bị <b>rủi ro</b>	I do not want to put my livelihood at risk		
4)	Tôi không tìm được người cần liên hệ nếu tôi gặp vấn đề với phương pháp mới	I do not know who to <b>contact</b> if I have problems with the new technique		
5)	Tôi không tìm được những <b>lợi ích</b> khi áp dụng những phương pháp mới này	I see no advantage in the new technique(s)		
6)	Khác:	Other:		
G.5	Anh/chị có cho rằng những kỹ thuật, cách làm mà anh/chị học được sẽ có giá trị hữu ích trong tương lai?	Do you think that the new techniques/strategies that you have learned are applying into the future?	worth	Chuyển sang câu
1)	Có, tất cả những gì đã học đều hữu ích	Yes, all of them		→ G.5b
2)	Có, một vài thứ thực sự hữu ích	Yes, some of them		→ G.5a
3)	Không	No		→ G.5a

G.5a	KHÔNG BẮT BUỘC: Anh/chị có thể cho chúng tôi biết một ví dụ về kỹ thuật/cách làm <b>không có giá trị áp dụng</b> không? Vì sao nó không mang giá trị áp dụng?	OPTIONAL: Can you give me an example of a strategy <u>not</u> worth applying? Why is it not worth to be applied?	
1)	Viết vào đây:	Write here:	
G.5b	KHÔNG BÁT BƯỢC: Anh/chị có thể cho chúng tôi biết một ví dụ về kỹ thuật/cách làm <b>có giá trị áp dụng</b> không? Vì sao nó mang giá trị áp dụng?	OPTIONAL: Can you give me an example of a strategy worth applying? Why is it worth to be applied?	
1)	Viết vào đây:	Write here:	
G.6	Nếu anh/chị có những kỹ thuật/cách làm tốt nhất, anh/chị có nghĩ rằng mình sẽ thực hiện nó trong tương lai không?	Thinking of the most technique/strategy that is most important to you, do you think you will be able to apply it into the future?	
1)	Có, tôi sẽ tự thực hiện	Yes, on my own	
2)	Có, với hỗ trợ từ người khác	Yes, with support from others	
3)	Không	No	
99)	Tôi không rõ	I don't know	
G.7	Anh/chị có chia sẻ về đóng góp thêm gì cho dự án không – ví dụ, những hoạt động cụ thể đã thực hiện tốt hoặc cách làm những dự án tương tự có thể thực hiện tốt hơn?	Is there any feedback on the project that you would like to share – for instance, what went particularly well, or ways how similar projects could be carried out better?	
1)	Viết vào đây:	Write here:	

Cảm ơn anh/chị đã tham gia khảo sát.





The project 'Integrated Community-based Adaptation in the Mekong Delta Region (ICAM) was launched in mid-2012 to increase community adaptive capacity and resilience to existing hazards and the impacts of climate change. Three years on, this evaluation finds that the project led to the commitment of government agencies and mass organizations to community-based adaptation, to better inter-agency collaboration and to stronger vertical links and responsiveness.

The evaluation also recognizes that adaptation processes take time for their impact to emerge more fully. The ICAM project contributed to improvements in disaster preparedness, access to finance, and linkages to the government. In terms of advancing climate-resilient livelihoods, it identified and documented several options. The project experience provides a rich set of lessons towards further advancing and enhancing community-based adaptation.