

1. Activity Reporting.

Activity 493-2014

4.1.2. Innovations in climate change research and communication for agriculture and food security

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|------------|----------|-----------|------------|
| Status | Complete | Milestone | 4.1.2 2015 |
| Start date | 2012 Mar | End date | 2015 Dec |

Description: Innovations in research (including PAR), partnerships and communication - supporting and scaling out local farmer innovation; scaling out CG innovations and K through innovative communication partnerships and approaches including TV, radio, cellphones; generating evidence regarding benefits of social learning approaches with novel partnerships. Completing and communicating outcome mapping/impact pathways approaches with local partners. Testing and implementation of innovation-focused Participatory Action Research approaches in broad partnerships in CCAFS sites and regions, and exploration of partnerships for scaling out results.

Status: Complete. Title: 4.1.2. Innovations in climate change research and communication for agriculture and food security

By: Risper Nyairo

Activity Summary: K2A partnered with Shamba Shape Up (SSU), a private agricultural television edu-tainment program to air CSA technologies from 11 CGIAR scientists to millions of smallholder farmers in EA, youth via the SSU website and Youtube and children via the Africa Knowledge Zone. 60,000 free leaflets on the topics covered in each episode were sent to farmers upon SMS request, with SMS questions forwarded to experts for response. More than 1,000 SMS requests were received per climate relevant episode, with 33% of viewers changing their farming practices. Collaboration with government, private companies and other development agencies also helped farmers to expand their linkages. Reading University found that the net economic impact of SSU to date on smallholder dairy and maize production for Kenya has been USD 24,718,648. However, disparities were found in how male and female farmers, and richer and poorer households, benefit from the program, and these need to be taken into consideration and addressed. Through this collaborative research we have found that when presented in a creative format, dissemination of CSA information via television can reach a wide audience. Mediae, the SSU parent company, is now expanding its reach into Ethiopia. Supported by diverse interests such as USAID, the World Bank and Government of Kenya, it is experimenting with new formats like radio and smart phone equipped public/private extension, and bringing all formats together in interactive formats such as iShamba that allow farmers to access, interact with and ask questions of integrated information on production, seasonal forecasts and markets. Our new questions are:

- What is the impact in terms of CSA adoption and adaptation?

- Is a video-based product restricted to television, or can it be used in different platforms?
- What would be the reach and impact in other regions with other ICT-based platforms?

The K2A partnership with ProInnova has shown that participatory innovative development leads to greater food and nutrition security, farmers accumulating savings and investing in assets, and higher agro-biodiversity with a reduction in use of chemical inputs. But, community-based experimentation, especially with introduced technologies, tends to bring more benefits to medium and better-off farmers than to poorer households, especially women-headed ones. Institutionalizing PID (e.g. in extension) remains a challenge. Innovations are often location-specific and cannot be scaled up easily; it's the approach of farmer-led experimentation that can be scaled out. Our new questions are:

- Can PID be embedded in relevant institutions to allow scaling up to potentially millions of farmers?
- Does this institutionalisation lead to increased capacity to adapt to climatic and other major changes at a larger than community scale?

The first year of integrating K2A communication into our impact pathway as a research activity has shown that we are reaching people most effectively with blogs, online competitions and themed social media campaigns such as the online launch of the CCAFS/CARE/ICRAF Gender and Inclusion Toolbox with a live half-day seminar and interactive website for the toolbox. These efforts led to increased outreach, participation, interest and use of K2A knowledge products and theme activities and generated greater traction for K2A research and communications products. However, to date our M&E of these efforts have focused on process indicators. Now we want to ask, are we enabling outcomes with our various communication platforms?

The conversion of the K2A program of work from log frame-based to an impact pathway with four distinct research focal areas (the CCAFS regional socio-economics scenarios program; innovations in research, partnerships and innovation; gender and social differentiation; evidence-based and forward looking climate and agricultural strategies) was very successful in allowing the K2A team to identify priority research activities and outputs to reach our MOG targets. The K2A TOC proved to be a testable guiding hypothesis, with an ML&E plan that measured progress in meeting output targets as well as the outcomes towards which our four research impact pathways were built. The K2A POW covered 2011-2016, however, it was cut short due to restructuring in preparation for CCAFS phase 2. Nonetheless, ML&E results show that by the end of 2014 K2A successfully achieved one outcome and provided preliminary evidence of having achieved the remaining three. While it is important that subjects such as TOC, innovation, K2A and gender are well integrated into all CCAFS research flagships and regions through dedicated capacity and budget, they must also be well founded as research topics through the use of impact pathways based on critical questions that guide research efforts towards transformation as an outcome.

Sub-activity: Innovative Communities

By: Risper Nyairo

Status: Can PID be scaled up, and does this approach tend to increase smallholder capacity to adapt to CC? In collaboration with CCAFS EA, K2A partner PROLINNOVA planned a farmer innovation fair for West Africa in 2014. The fair was to be held in November in Ouagadougou but was postponed due to the Ebola outbreak and is now set for May 2015. It is expected that 6-10 farmer innovators will participate from each of 8 participating countries in West Africa. The PROLINNOVA International Secretariat is supporting partners in organizing the event, resulting in mobilization of wide interest, partnerships and further funding. K2A also co-funded with AAS a PROLINNOVA-led desk review of the impact of farmer-led research approaches. K2A staff participated in the study and publication of results.

T4.1 ML&E Results: T4.1 ML&E report uploaded to intranet

Sub-activity: Innovative Climate Change and Social Learning

By: Nafisa Ferdous

Status :

K2A framed its SL activities by asking “Under what conditions are SL approaches effective, replicable and/or scalable, and sustainable?” Since 2013, the CCSL initiative (Sandbox network) has supported SL knowledge sharing and creation on this, producing briefs, working papers, methods/toolbox, and case studies. 2014 progress on understanding and scaling up innovations through SL includes:

- Nature Climate Change Commentary on SL and sustainable development by K2A heads
- SL and social differentiation journal article in Sustainability
- Participation and sharing CCAFS case studies in IIED SL Workshop in London, UK
- Social Learning working paper 99 on co-production of PAR/gender research

T4.1 ML&E Results: See related outcome story Shifting Epistemologies: gender and inclusion toolbox co-designed and used by 61 development and research partners

Sub-activity: Innovative Communication and Extension - SSU

By: Risper Nyairo

Status: At what scale can AR4D stakeholders reach smallholder farmers with CSA technologies and practices using ICT-based platforms, and what is the impact in terms of adoption and adaptation? With K2A support, SSU expanded to include episodes shot in Uganda. 11 CGIAR scientists participated in the 26 episodes produced for the 4th series, increasing the dissemination of CSA technologies. 45 out of 130 subject slots in season 4 were funded by CCAFS, representing 35% of the entire series dedicated to CSA content. This increased dissemination led to increased interest in CSA technologies by viewers, evidenced by 31,741 SMS inquiries regarding CSA content sent by viewers. Analysis by the Mediae Company revealed that about 4.35 million people learnt something

new in 2014, with CC adaptation methods being the third highest frequency of learning.

T4.1 ML&E Results: See related outcomes story: Shamba Shape Up: An Innovative Communication and Extension Success Story.

Sub-activity: Communicating Research

By: Cecilia Schubert

Status: Is the K2A team enabling outcomes with our various communications platforms? In 2014 'Communicating Research' was added to the K2A impact pathway, to test social media approaches to informing a broad set of stakeholders about K2A results. In addition to publications and presentations, targeted and innovative AR4D communication and promotion, including blogs, online competitions and themed social media campaigns, were implemented. These methods helped stakeholders find, become interested in, inform themselves and engage in K2A research activities. K2A increased outreach and generated greater traction for K2A research and communications products compared to 2013. Innovative social media campaigns, online competitions and blog cross-posts were most effective in terms of numbers of downloads and public participation. The K2A team lead R4D communication within CCAFS in 2014, generating greater outreach, participation, interest and use of products and activities.

T4.1 ML&E Results: T4.1 ML&E report uploaded to intranet

Sub-activity: Theory of Change

By: Christine Jost

Status: Can K2A research be designed using a TOC process, what are the results (outcomes/impacts), and how does the process influence institutional norms? 2013: K2A converted log-frame into TOC with four 2016-outcome-oriented IPs: Scenarios; Innovations; Social differentiation; Strategies. 2014: Significant progress made:

- Scenarios fully complete (2013 annual report)
- Innovations preliminary completion (Innovative Communities, Climate Change and Social Learning, Innovative Communication and Extension, Communicating Research, Climate Smart Villages)
- Social Differentiation preliminary completion (CCAFS Gender Network and Strategy, Quantitative Gender Survey, Gender and Socially Inclusive Research)
- Strategies preliminary completion (Land Planning in Light of Socioeconomic Drivers, Soft Skills in Strategies and Planning)

K2A TOC informed CCAFS phase-2 planning; lessons documented in planning, partnering, research design, co-learning, but institutional up-scaling within CCAFS not successful. Second generation research questions related to promising K2A activities to test scale and impact generated in partnership with key stakeholders and concept notes written.

T4.1 ML&E Results: T4.1 ML&E report uploaded to intranet

Gender Component: Overall activity: All PAR and innovation-focused research in CCAFS explicitly include women participants and research ways in which to ensure women and other disadvantaged groups benefit from the action research. Both qualitative and quantitative research approaches are taken. Communication approaches are also explicitly targeting women as well as men, and youths.

Sub-activity: Innovative Communities

The 2014 collaboration revealed that just because farmer-led innovation is participatory does not automatically make it an inclusive process. More conscious effort is thus required in order to include more marginalized groups and especially women. The study also found that in female-headed households, innovations benefited medium to better-off farmers more than the poorer ones.

Sub-activity: Innovative Climate Change and Social Learning

Components of gender analysis and social differentiation research are integrated into the SL frameworks discussed throughout working papers, Nature Commentary and Sustainability journal article.

Sub-activity: Innovative Communication and Extension - SSU

4 of 11 CG scientists who participated in season 4 were women, highlighting the need to encourage more women to enter into A4RD, and as role models to engage with innovative extension platforms.

Sub-activity: Communicating Research

K2A impact pathway 4.1.3 specifically addresses gender and social differentiation. The majority of K2A communications efforts in 2014 focused on gender. Gender balance among blog winners (3 men and 3 women); Two blog winners had a clear gender component.

Sub-activity: Theory of Change

IP4.1.3 (Gender and Social Differentiation) focused on gender, while social inclusion was integrated into all 4 Theme 4.1.4 impact pathways.

Objectives:

1. 4.1.2(1) Evidence-based innovative approaches to CC-related development and food security decision-making and policies in 5 regions
2. 4.1.2(2) Theme-wide M+E providing evidence for cc-related development and food security approaches

Deliverables:

| Description | Type | Year | Status | Justification |
|---|--|------|----------|---|
| Theme 4.1 communications strategy | Other | 2014 | Complete | |
| Theme 4.1 M+E strategy | Other | 2014 | Complete | |
| SSU results from seasons 1-4: survey results and cost/benefit results | Peer-reviewed journal articles | 2014 | On going | Reading Univ. chose to publish separately the impact study, while the final KAP study was made available Dec 2014 |
| Uptake of innovation by partners, and contribution to CCAFS impact pathway (scenarios, innovation fairs, innovation funds, SSU) | Peer-reviewed journal articles | 2014 | Complete | Activity removed by CCAFS mid-year |
| Quarterly innovation blogs | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| Quarterly PAR blogs | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|---|---|------|-----------|--|
| PAR training modules for key CCAFS theme topics: climate analogues, climate smart agriculture technologies and practice, weather and climate forecast use, agroforestry and carbon finance | Capacity | 2014 | Cancelled | Lack of interest shown by CCAFS themes |
| SSU Season 5: 5 episodes featuring CGIAR climate relevant content | Articles for media or news (radio, TV, newspapers, newsletters, etc.) | 2014 | Complete | |
| Wettasinha C, Waters-Bayer A, van Veldhuizen L, Quiroga G & Swaans K. 2014. Study of impacts of farmer-led research supported by civil society organizations. Penang, Malaysia: CGIAR Research Program on Aquatic Agricultural Systems. Working Paper AAS-2014-40. 178pp. http://aas.cgiar.org/publications/study-impacts-farmer-led-research-supported-civil-society-organizations#.VK48k3tvWul | Working Paper | 2014 | Complete | |
| Leeuwis C, Schut M, Waters-Bayer A, Mur R, Atta-Krah K & Douthwaite B. 2014. Capacity to innovate from a system CGIAR research program perspective. Program Brief AAS-2014-29. Penang, Malaysia: CGIAR Research Program on Aquatic Agricultural Systems. http://drylandsystems.cgiar.org/sites/default/files/Systems%20perspective_capacity%20to | Policy briefs - Briefing paper | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|--|--|------|----------|---|
| Website for WA farmer innovation fair | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | On going | PROLINNOVA WA farmer innovation fair pushed to 2015 due to ebola outbreak |
| Gonsalves J. 2014. Farmer centered & smallholder approaches offer us our best opportunity to address food security in a changing climate. Presentation to COP 12 Side Event, Lima Peru (PPT). http://www.prolinnova.net/resources/ipwresources | Presentations | 2014 | Complete | |
| Waters-Bayer A, Wettasinha C, van Veldhuizen L, Quiroga G & Swaans K. 2014. Bridging the gap between formal and informal research in agriculture and natural resource management. Tropentag, 17–19 Sept, Prague, Czech Republic (PPT + 4pp) http://www.prolinnova.net/resources/ipwresources | Presentations | 2014 | Complete | |
| Waters-Bayer A, Bernhardt M, Bocock P, Dugan P, Lohmann J & Sanyang S (eds). 2014. The Feldafing Principles: enhancing agricultural innovation systems. Eschborn: German Agency for International Cooperation (GIZ) / CGIAR Consortium. 5pp. http://www.icipe.org/itaacc/index.php/2013-12-03-07-06-24/2013-12-03-07-07-26/2014-05-13-12-12-33 | Book chapters | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|---|--------------------------------|------|----------|---------------|
| Waters-Bayer A, Bernhardt M, Bocock P, Dugan P, Lohmann J & Sanyang S (eds). 2014. The Feldafing Principles: enhancing agricultural innovation systems. Eschborn: German Agency for International Cooperation (GIZ) / CGIAR Consortium. 5pp. http://www.icipe.org/itaacc/index.php/2013-12-03-07-06-24/2013-12-03-07-07-26/2014-05-13-12-12-33 | Book chapters | 2014 | Complete | |
| Kristjanson, P., Harvey, B., Van Epp, M., Thorton, PK. 2014. Social Learning and Sustainable Development. Nature Climate Change 4.1 (2013): 5-7. http://hdl.handle.net/10568/34283 | Peer-reviewed journal articles | 2014 | Complete | |
| Shaw, A., Kristjanson, P. 2014. A Catalyst toward Sustainability? Exploring Social Learning and Social Differentiation Approaches with the Agricultural Poor. Sustainability, 6(5), 2685-2717. http://hdl.handle.net/10568/35590 | Peer-reviewed journal articles | 2014 | Complete | |
| C. Jost, N. Ferdous, P. Kristjanson, 2015. Closing the relevance gap: Lessons in co-developing gender transformative research approaches with development partners and communities. CCAFS Working Paper no. 99. http://hdl.handle.net/10568/56630 | Working Paper | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|--|--------------------------------|------|----------|---------------|
| C. Jost, N. Ferdous, T. D. Spicer, 2014. Gender and Inclusion Toolbox: Participatory Research in Climate Change and Agriculture. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS), CARE International and the World Agroforestry Centre (ICRAF). http://hdl.handle.net/10568/45955 | Books | 2014 | Complete | |
| Shaw A, Kristjanson P. 2014. A social opportunity. International Innovation 155: Environment, October 2014. Research Media, UK, pp 35-37. http://hdl.handle.net/10568/45936 | Policy briefs - Briefing paper | 2014 | Complete | |
| Jackson C, Cranston P, LeBorgne E. 2014. Climate Change Social Learning Sandbox. CCSL Learning Brief No.7. Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS) http://hdl.handle.net/10568/42428 | Policy briefs - Briefing paper | 2014 | Complete | |
| Van Epp M, Garside B. 2014. Monitoring and Evaluating Social Learning: A Framework for Cross-Initiative Application. CCAFS Working Paper no. 98. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS) http://hdl.handle.net/10568/53096 | Working Paper | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|---|---|------|----------|---------------|
| Vervoot, J. Scenarios: A Social Learning Case. 29 May. 2014. http://www.slideshare.net/cgiarclimate/ccafs-scenarios-social-learning-case?ref=http://ccafs.cgiar.org/blog/all-lights-real-life-social-learning-case-studies | Presentations | 2014 | Complete | |
| 24 video clips of CCAFS sponsored subject slots seasons 2-4, available on Africa Knowledge Zone http://www.africaknowledgezone.org/ | Video | 2014 | Complete | |
| Documentary on the impact of SSU in Machakos County, Kenya | Video | 2014 | Complete | |
| SSU. 2014. Assessing the Impacts of Shamba Shape Up: A report commissioned by AECF and led by University of Reading. October 2014. | Research report (i.e. workshop report, consultant's report, discussion paper, project report, student thesis, etc.) | 2014 | Complete | |
| The Mediae Company. 2014. Shamba Shape Up: Knowledge, Attitude and Practices Survey Report. November 2014. | Research report (i.e. workshop report, consultant's report, discussion paper, project report, student thesis, etc.) | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|--|--------------------------------|------|----------|---------------|
| Kristjanson P, Jost C, Vervoort J, Ferdous N, Schubert C. 2014. Moving from Knowledge to Action: Blogging research and outcome highlights. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS) | Books | 2014 | Complete | |
| Schuetz, T, Förch, W, Thornton, P, Wollenberg, L, Hansen, J, Jarvis, A, Coffey, K, Bonilla-Findji, O, Rodriguez, AM, Baron, M, Aggarwal, P, Sebastian, L, Zougmore, R, Kinyangi, J, Vermeulen, S, Radeny, M, Moussa, A, Sajise, A, Khatri Chhetri, A, Richards, M, Jost, C, Jay, A. 2014. Learning Brief: Lessons in Theory of Change from a Series of Regional Planning Workshops. CCSL Learning Brief No. 11, December 2014. Available online at: www.ccafs.cgiar.org | Policy briefs - Briefing paper | 2014 | Complete | |
| Alvarez, S, Jost, C, Schuetz, T, Förch, W, Schubert, C, Kristjanson, P. 2014. Lessons in Theory of Change from the Introductory Training on Theories of Change, Impact Pathways and Monitoring & Evaluation. CCSL Learning Brief No. 10, December 2014. Available online at: www.ccafs.cgiar.org | Policy briefs - Briefing paper | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|---|--------------------------------|------|----------|---------------|
| Christine C. Jost, Patti Kristjanson, Joost Vervoort, Sophie Alvarez, Nafisa Ferdous, Wiebke Foerch. 2014. Lessons in Theory of Change: Monitoring, learning and evaluating Knowledge to Action. CCSL Learning Brief No. 9, September 2014. Available online at: www.ccafs.cgiar.org | Policy briefs - Briefing paper | 2014 | Complete | |
| Christine C. Jost, Leocadio Sebastian, Patti Kristjanson, Wiebke Foerch. 2014. Lessons in theory of change: CCAFS Southeast Asia R4D Workshop. CCSL Learning Brief No. 8, July 2014. Available online at: www.ccafs.cgiar.org | Policy briefs - Briefing paper | 2014 | Complete | |
| Jost, CC, Kristjanson, P, Alvarez S, Schuetz, T, Foerch, W, Cramer, L and P Thornton. 2014. Lessons in Theory of Change: experiences from CCAFS. CCSL Learning Brief No. 6, March 2014. Available online at: www.ccafs.cgiar.org | Policy briefs - Briefing paper | 2014 | Complete | |
| Jost C, Alvarez S. and T Schuetz. 2014. Theory of Change Facilitation Guide. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark. Available online at: www.ccafs.cgiar.org | Books | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|--|--|------|----------|---------------|
| Christine Jost, Sophie Alvarez, Deissy Martinez Baron, Osana Bonilla-Findji, Kevin Coffey, Wiebke Förch, Arun Khatri-Chhetri, Abdoulaye S. Moussa, Maren Radeny, Meryl Richards, Tonya Schuetz, Ioannis Vasileiou*. 2014. Pathway to Impact: Supporting and Evaluating Enabling Environments for Outcomes in CCAFS. 2nd International Conference on Evaluating Climate Change and Development, Washington DC, 4-6 November 2014. | Presentations | 2014 | Complete | |
| P. Kristjanson and C.C. Jost. 2014. Tackling Innovation in Climate Change Research. ICRAF Seminar. World Agroforestry Centre (ICRAF), Nairobi, Kenya, 21 May 2014. http://www.slideshare.net/cgiarclimate/tackling-innovation-in-climate-change-research-presentation-by-chris-jost-and-patti-kristjanson-ccafs | Presentations | 2014 | Complete | |
| Cross-post of CCSL blog on IIED site: How do we best create long-term impact that matters to smallholder farmers? http://iied.org/how-do-we-best-create-long-term-impact-matters-smallholder-farmers | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|--|--|------|----------|---------------|
| live-coverage of the GIMPS workshop with almost 300 views https://storify.com/cgiarclimate/impact-pathways-working-group-at-work | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| Mayne J, Douthwaite B, Ely A, Waters-Bayer A, Izac A-M, Leeuwis C, Barret D, Sinclair F & Ashby J. 2014. Beyond problem solving: building and evaluating capacity to innovate. Aquatic Agricultural Systems Position Paper (draft). 27pp. | Discussion paper | 2014 | Complete | |
| Förch W, Kristjanson P, Cramer L, Barahona C, Thornton PK. 2014. Back to baselines: Measuring change and sharing data. Agriculture & Food Security, 3:13. Doi:10.1186/2048-7010-3-13 | Peer-reviewed journal articles | 2014 | Complete | |
| Wood S A, Jina A S, Jain M, Kristjanson P, DeFries R. 2014. Smallholder farmer cropping decisions related to climate variability across multiple regions. Global Environmental Change, 25, 163-172. Open access. http://dx.doi.org/10.1016/j.gloenvcha.2013.12.011 | Peer-reviewed journal articles | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|--|--------------------------------|------|----------|---------------|
| Reid RS, Kaelo D, Nkedianye DK, Kristjanson P, Said MY, Galvin KA, Gambill I. 2014. The Mara-Serengeti Ecosystem and Greater Maasailand: Building the Role of Local Leaders, Institutions, and Communities. Chpt 10 in: The Academy as Nature's Agent. Ed: Levitt, James N. Lincoln Institute of Land Policy. http://www.lincolninst.edu/pubs/2472_Conservation-Catalysts | Book chapters | 2014 | Complete | |
| Perez C, Jones E, Kristjanson P, Cramer L, Thornton P, Förch W, Barahona C. 2014. How resilient are farming households, communities, men and women to a changing climate in Africa? CCAFS Working Paper No. 80. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark. Available online at: www.ccafs.cgiar.org | Working Paper | 2014 | Complete | |
| Whitfield S, Kristjanson P. 2014. Envisaging change in maize farming: the push and pull factors. Climate Change and Social Learning Brief No 4. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Denmark: Copenhagen | Policy briefs - Briefing paper | 2014 | Complete | |
| | Data | 2014 | On going | |

| Description | Type | Year | Status | Justification |
|--|---|------|----------|---------------|
| Prolinnova. 2014. Initial findings on achievements of social learning in the PROLINNOVA international network 2004–2014. | Research report (i.e. workshop report, consultant's report, discussion paper, project report, student thesis, etc.) | 2014 | Complete | |

Partners:

1- Promoting local innovation (PROLINNOVA):

Ann Waters-Bayer <waters-bayer@web.de>

2- International Institute for Environment and Development (IIED):

Liz Carlile <liz.carlile@iied.org>

3- International Livestock Research Institute (ILRI):

Ewen (ILRI) LeBorgne <e.leborgne@cgiar.org>

4- ETC Foundation (ETC):

Ann Waters-Bayer <waters-bayer@web.de>

5- AgriProFocus:

6- McKnight Foundation:

7- Swiss Agency for Development and Cooperation (SDC):

8- Inades-formation International:

9- Conseil Ouest et Centre Africain pour la Recherche et le Developpement Agricoles (CORAF):

- 10- Institut de l'Environnement et de Recherches Agricoles (INERA):
- 11- Promoting Farmer Experimentation and Innovation in the Sahel (PROFEIS):
- 12- Comité Diocésain de Développement de Maroua (CDD):
- 13- Centre Béninois pour l'Environnement et le Développement Economique et Social (CEBEDES):
- 14- Association for strengthening Agricultural Research in Eastern and Central Africa (ASARECA):
- 15- Food and Agriculture Organization of the United Nations (FAO):
- 16- Centro Internacional de la Papa (CIP):
- 17- International Fund for Agricultural Development (IFAD):
- 18- Technoserve:
- 19- CGIAR Consortium Office:
- 20- World Agroforestry Centre (ICRAF):
Henry Neufeldt <h.neufeldt@cgiar.org>
- 21- Cooperative for Assistance and Relief Everywhere (CARE):
fiona Percy <fiona@careclimatechange.org>
- 22- Media for education and development (MEDIAE):
David Campbell <david@mediae.org>
- 23- Women Organizing for Change in Agriculture & Natural Resource Management (WOCAN):

24- Association Nourir Sans Détruire (ANSDD):

25- Institut Senegalais de Recherche Agricole (ISRA):

26- African Agricultural Technology Foundation (AATF):

27- Alliance for Green Revolution in Africa-program for Africa's Seed Systems (AGRA):

28- East African Breweries Limited (EABL):

29- Global Alliance for Livestock Veterinary Medicines (GALVmed):

30- D.Light:

31- Coopers K Brands:

32- MEA Fertilizer:

33- Syngenta EA:

34- Kenchic Limited:

35- Unga Farm Care:

36- Young Professionals in Agriculture (YPiA):

37- Global Gender Climate Alliance (GGCA):

Location(s):

Regions: East Africa (EA), West Africa (WA), South Asia (SAs), Latin America (LAM), South East Asia (SEA),

Activity 494-2014

4.1.3. Gender and Social Differentiation in climate change, agriculture and food security

| | | | |
|------------|----------|-----------|------------|
| Status | Complete | Milestone | 4.1.3 2015 |
| Start date | 2011 Jan | End date | 2015 Dec |

Description: Gender and Social Differentiation. Evidence, scaling out, strengthening partners' capacity in qual & quant gender-CC tools. Scaling out gender-and social differentiation-related training programs & materials. New gender-CC evidence & K targeted to and reaching key local and regional decisionmakers.

Status: Complete. Title: 4.1.3. Gender and Social Differentiation in climate change, agriculture and food security

By: Nafisa Ferdous

Summary: K2A has progressed in working towards its gender and social differentiation outcomes in 2014. Two main milestones of T4.1.3 are the following:

- Build capacity in regional partners for CC appropriate gender research and development in agricultural systems and communities
- Identify knowledge gaps related to gender and social differentiation and climate change, and support research to address those gaps

There have been many outputs towards these milestones. In 2013 a gender training and strategy workshop was held in Nairobi engaging all 5 CCAFS regions and their local NGO, CGIAR and NARS partners, forming a CCAFS gender network as well as regional impact pathways for gender. A quantitative IFPRI/CCAFS research tool for gender and social differentiation research was created and scaled out to EA, WA, SA CCAFS partners asking the question – How can we target CSA practices and knowledge to women? In parallel, a revision of the CCAFS-FAO training manual in qualitative tools for gender research in CC was revised and tested.

By 2014, many of these projects produced new outputs. Parallel efforts to improve online and in-person regional coordinating workshops were done, resulting in several new online platforms and regional workshops. For example, CCAFS WA, SEA and LAM mobilized their partners in gender research trainings for qualitative gender tools and approaches, including CCAFS methods and tools. WA implemented components of their impact pathway, holding a coordinating meeting that produced a call for proposals among its country partners. SEA similarly organized and hosted a qualitative methods workshop for NARS and NGO partners, followed by creating gender mainstreaming action plans for CSV sites. The FAO-CCAFS gender manual was revamped using social learning processes, engaging dozens of local NGOs, farmers, scientists and partnering with CARE International and ICRAF to mainstream gender transformative frameworks. The IFPRI/CCAFS

gender survey also published data on Dataverse on their 2013 research, spurring new opportunities of scale out with IFAD, CIAT and NARS partners.

A strong progression of CCAFS projects has been documented in the T4.1.3 impact pathway indicators and helps demonstrate that social differentiation and gender research at CCAFS is being communicated and channeled through stronger networks and partnerships. The regional coordination using impact pathways also suggests that the questions we are asking for gender and social differentiation have a higher likelihood of coming from the regions themselves and can be better suited for the end-users to reach women and vulnerable groups in the most socially acceptable ways.

Sub-activity: Network of Gender and Climate Change Scientists

By: Nafisa Ferdous and Cecilia Schubert

Status: The network was a means of scaling-out gender and social differentiation understanding and awareness, including CCAFS gender outputs and research across the 5 CCAFS regions and broader NGO, NARS and scientific community via online and annual meetings. The CCAFS gender training and strategy launched the network in October 2013 prompting regional gender teams and 5 impact pathways. By 2014, the network established multiple online platforms and held 3 regional meetings. Gender tools such as the Gender and Inclusion Toolbox were scaled out and annual meetings produced gender mainstreaming action plans for SEA and gender research call for proposals in WA.

Theme 4.1 ML&E Results: See related case study CCAFS Network of Gender and Climate Change Scientists

Sub-activity: Quantitative Gender Survey

By: Nafisa Ferdous

Status: In 2013 a quantitative intra-household survey addressing CCAFS priority gender research questions was developed, linking to IMPACTlite tool. A workshop presenting survey-data was held in 2014 in Nairobi with 73 key stakeholders. The survey, training, and data from Uganda, Kenya, Senegal and Bangladesh CCAFS sites are available on dataverse. Regional partners have leveraged data to scale-out CSA programing in partnership with IFAD in Uganda and Tanzania. The tool has been revised and integrated into studies via CIAT. A survey of CCAFS contact points reveals that, while some of the CCAFS priority gender and climate change research questions are being addressed by a variety of centres using diverse methodologies in different geographic areas (i.e. What are the implications of gender relations for vulnerability to different levels of exposure to climate stress and for adaptation to progressive climate change at the level of individuals, households and communities?), others are not being well addressed (i.e. What are promising institutional arrangements enabling women as well as men to benefit from incentives for delivering environmental

services?).

T4.1 ML&E Results: See related case study Addressing CCAFS's key research questions on gender and climate change

Sub-activity: Gender and Socially Inclusive Research in Climate Change and Food Security

By: Nafisa Ferdous

Status: Building from FAO-CCAFS training guide (60,000+ downloads), the Gender and Inclusion Toolbox (2,000+ downloads) was published in October 2014, co-developed using social learning processes with ICRAF, CARE and many local partners. A website-launch, live-event launch and webinar were held in Nairobi (50 key stakeholders attending; 300 web views) to share document. The co-development process was documented in CCSL working paper 99, to be developed into a peer-reviewed publication in 2015. Since 2013, 61 unique partners in 19 countries were engaged to help co-develop content. Components of toolbox have been integrated into 5 organizations (ICRAF, FTA, SIA, CARE, Emory University) and prompted gender action-planning across CSV sites in CCAFS SEA.

T4.1 ML&E Results: See related outcome story Shifting Epistemologies: gender and inclusion toolbox co-designed and used by 61 development and research partners

Gender Component: Overall Activity: This activity is 100% gender and social differentiation-focused, developing gender analysis tools and collecting gender-disaggregated data. It addresses numerous gender-related issues for CCAFS, such as what climate resilient agricultural practices and approaches are particularly beneficial for women and youths. It is also focuses on building gender research capacity within our local partners in all our regions and sites.

Sub-activity: Network of Gender and Climate Change Scientists

The gender network is dedicated to building capacity in gender and improving strategic communication for coordinating and scaling out gender research. It consists of gender experts with all of its outputs integrating gender.

Sub-activity: Quantitative Gender Survey

The Quantitative Gender Survey was developed by gender experts across ICRAF, ILRI, CIAT and IFPRI to address research gaps according to the 5 main CCAFS gender questions (see CCAFS gender strategy). The results are being scaled out to improve CSA adoption of marginalized smallholders, particularly women.

Sub-activity: Gender and Socially Inclusive Research in Climate Change and Food Security

Toolbox has focused on integrating gender and gender transformative research approaches. Gender experts were engaged in content development in multiple stages of co-development, as were gender

balanced workshops and farmers groups. CARE international integrated gender and empowerment frameworks, activities, concepts into publication.

Objectives:

1. 4.1.3(1) Regional capacity in gender and climate change action research developed in at least 3 regions, and partner institutions implementing more gender and pro-poor targeted activities
2. 4.1.3(2) Synthesis of knowledge on men and women farmers' adaptation strategies disseminated and fed into adaptation and mitigation strategies and national policies and economic development plans in at least 3 regions

Deliverables:

| Description | Type | Year | Status | Justification |
|--|---|------|-----------|--------------------------------------|
| CCAFS gender training and strategizing workshop report | Research report (i.e. workshop report, consultant's report, discussion paper, project report, student thesis, etc.) | 2014 | Complete | |
| - External evaluation of gender in CCAFS report | Research report (i.e. workshop report, consultant's report, discussion paper, project report, student thesis, etc.) | 2014 | Cancelled | Cancelled, because K2A was cancelled |
| Manual on participatory gender and climate change research and planning | Books | 2014 | Complete | |
| 2 regional trainings on: Manual on participatory gender and climate change research and planning | Capacity | 2014 | Complete | |
| Understanding Gender Dimensions of Agriculture and Climate Change in Smallholder Farming Communities | Peer-reviewed journal articles | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|--|--|------|------------|---------------|
| CCAFS Theme 4.1 gender quarterly blog series | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| Annual meeting of CCAFs regional and international gender stakeholders from the CGIAR, NGOs and NARS | Workshop | 2014 | Cancelled | |
| An internet-based platform for CGIAR gender scientists working on climate change | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| IFPRI IMPACTlight gender survey publication | Working Paper | 2014 | Complete | |
| | Data | 2014 | Incomplete | |
| Currently offline to public because CCAFS did not take over the website as planned in January 2015, but available at http://intranet.worldagroforestry.org/ccafs/index.php | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|---|---|------|----------|---------------|
| <p>Twyman J, Green M, Bernier Q, Kristjanson P, Russo S, Tall A, Ampaire E, Nyasimi M, Mango J, McKune S, Mwongera C, and Ndourba, Y. 2014. Adaptation Actions in Africa: Evidence that Gender Matters. CCAFS Working Paper no. 83. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). (Available http://hdl.handle.net/10568/51391)</p> | Working Paper | 2014 | Complete | |
| <p>Mwongera, C., K. M. Shikuku, L. Winowiecki, W. Okolo, J. Twyman and P. Läderach. 2014. Climate Smart Agriculture Rapid Appraisal Report from the Southern Agricultural Growth Corridor of Tanzania. http://dx.doi.org/10.7910/DVN/28703</p> | Research report (i.e. workshop report, consultant's report, discussion paper, project report, student thesis, etc.) | 2014 | Complete | |
| <p>Mwongera, C., K. M. Shikuku, J. Twyman, L. Winowiecki, E. Ampaire, M. Koningstein and S. Twomlow. 2014. Climate Smart Agriculture Rapid Appraisal Final Report of Northern Uganda. Available online: http://dx.doi.org/10.7910/DVN/28703</p> | Research report (i.e. workshop report, consultant's report, discussion paper, project report, student thesis, etc.) | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|---|---|------|----------|---------------|
| Mwongera, C., J. Twyman, K.M. Shikuku, L. Winowiecki, W. Okolo, P. Laderach, E. Ampaire, P. Van Asten and S. Twomlow. 2014. Climate Smart Agriculture Rapid Appraisal (CSA-RA): A Prioritization Tool for Outscaling. Step-by-Step Guidelines. http://dx.doi.org/10.7910/DVN/28703 | Reference material (booklets and training manuals for extension agents, etc.) | 2014 | Complete | |
| CCAFS - Climate Change, Agriculture and Food Security Dataverse gender survey http://thedata.harvard.edu/dvn/dv/CCAFSbaseline/faces/StudyListingPage.xhtml;jsessionid=ce436a95b3cab40f6526713ad7f2?mode=1&collectionId=4844 | Data | 2014 | Complete | |
| Laderach, Peter; Winowiecki, Leigh; Eitzinger, Anton; Twyman, Jennifer; Shikuku, Kelvin M., 2014, "Playing Out Transformative Adaptation in CCAFS Benchmark Sites in East Africa: "When, Where, How and With Whom?"" http://dx.doi.org/10.7910/DVN/24451 International Center for Tropical Agriculture [Distributor] V4 [Version] | Research report (i.e. workshop report, consultant's report, discussion paper, project report, student thesis, etc.) | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|--|---|------|----------|---------------|
| Winowiecki, Leigh ; Laderach, Peter; Mwongera, Caroline; Twyman, Jennifer ; Mashisia, Kelvin ; Okolo, Wendy ; Eitzinger, Anton; Rodriguez, Beatriz, 2014, "Increasing Food Security and Farming System Resilience in East Africa through Wide-Scale Adoption of Climate-Smart Agricultural Practices", http://dx.doi.org/10.7910/DVN/28703 International Center for Tropical Agriculture [Distributor] V4 [Version] | Research report (i.e. workshop report, consultant's report, discussion paper, project report, student thesis, etc.) | 2014 | Complete | |
| Winowiecki L.A. 2014. Toward integrated analysis of socio-ecological data for improved targeting of resilient farming systems. Presentation at CIAT, 20 May 2014. (Available http://www.slideshare.net/CIAT/toward-integrated-analysis-of-socio-ecological-data-for-improved-targeting-of-resilient-farming-systems-leigh-winowiecki) | Presentations | 2014 | Complete | |
| Ampaire, E., Mango, J. 2014. Understanding Gender and Climate Change. Presentation at ICRAF Kenya, 14 May 2014. (Available http://www.slideshare.net/cgiarclimate/understanding-gender-and-climate-change-35037158) | Research report (i.e. workshop report, consultant's report, discussion paper, project report, student thesis, etc.) | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|--|--|------|----------|---------------|
| C. Jost, N. Ferdous, P. Kristjanson, 2015. Closing the relevance gap: Lessons in co-developing gender transformative research approaches with development partners and communities. CCAFS Working Paper no. 99. http://hdl.handle.net/10568/56630 | Working Paper | 2014 | Complete | |
| CCAFS. 2014. Gender and Toolbox Live Launch. Youtube, 16 Oct. 2014. Accessed 26 Jan. 2015. https://www.youtube.com/watch?v=47EuyoAIGIE | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| CCAFS. 2015. Workshop: Participatory Research Tools Latin America. Youtube, 4 Feb., 2015. Accessed 10 Feb, 2015. https://www.youtube.com/watch?v=qHC_1HXlqT0 | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| Photoset: Gender & Climate Change Workshop Nairobi Kenya 14 May 2014 http://www.flickr.com/photos/cgiarclimate/sets/72157636877152334/ | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|--|--|------|----------|---------------|
| <p>Photoset: Gender & Climate Change Workshop Nairobi Kenya 14 May 2014 http://www.flickr.com/photos/cgiarclimate/sets/72157636877152334/</p> | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| <p>Smith, G. 2014. Photo Story: Ground-breaking women. http://ccafs.cgiar.org/blog/photo-story-ground-breaking-women#.VNoQzna8AUU 18 December 2014</p> | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| <p>Gordon, J. 2011. Impacts of climate change on supply chains in Guatemala, Bogota and Jamaica. http://dapa.ciat.cgiar.org/impacts-of-climate-change-on-supply-chains-in-guatemala-bogota-and-jamaica/ 21 July 2011</p> | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|---|--|------|----------|---------------|
| Photoset - Workshop on Participatory Research tools, Latin America : https://www.flickr.com/photos/cgiarclimate/sets/72157649460279485/ | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| Photoset - CARE-CCAFS in Gender & Participatory Research in Ghana : https://www.flickr.com/photos/cgiarclimate/sets/72157645162503629/ | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| Photoset - Visit to Lower Kamula village in Kenya: Session on Female Empowerment : https://www.flickr.com/photos/cgiarclimate/sets/72157644878060871/ | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|--|--|------|----------|---------------|
| Photoset - Discussing changes in the climate with men and women farmers in Kenya : https://www.flickr.com/photos/cgiarclimate/sets/72157644878199131/ | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| Photoset - Identifying community strengths and goals in Lower Kamula village: https://www.flickr.com/photos/cgiarclimate/sets/72157644837062276/ | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| S. Nelson. FAO and CCAFS Collaboration on Gender and Climate Change. Gender and Inclusion Toolbox Launch. ICRAF HQ, Nairobi. 15 Oct. 2014. Webinar Presentation. http://www.slideshare.net/cgiarclimate/faoccafsgender-and-climate-change-collaboration-by-sibyl-nelson-fao | Presentations | 2014 | Complete | |
| N. Ferdous. Social Learning for Gender Sensitive Research: How the Gender and Inclusion Toolbox was Made. Gender and Inclusion Toolbox Launch. ICRAF HQ, Nairobi. 15 Oct. 2014. Webinar Presentation. http://www.slideshare.net/cgiarclimate/nafisa-ppt | Presentations | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|--|---|------|----------|---------------|
| A. Otzelberger. Changing climates and gender relations: Why research and practice are inseparable. Gender and Inclusion Toolbox Launch. ICRAF HQ, Nairobi. 15 Oct. 2014. Webinar Presentation. http://www.slideshare.net/cgiarclimate/changing-climates-and-gender-relations-why-research-and-practice-are-inseparable-by-agnes-otzelberger-from-care-international | Presentations | 2014 | Complete | |
| C. Jost. 2014. Participation in Gender and Climate Change Research: Self learning guide. https://www.researchgate.net/profile/Christine_Jost/publication/272161067_Participation_in_Gender_and_Climate_Change_Research/links/54dc6d370cf28d3de65fc437.pdf?origin=publication_detail | Reference material (booklets and training manuals for extension agents, etc.) | 2014 | Complete | |
| C. Jost. Participacion en Investigacion del Cambio Climatico. 2014. https://www.researchgate.net/profile/Christine_Jost/publication/268278992_Participacion_en_Investigacion_del_Cambio_Climatico/links/54679dbc0cf20dedafcf504b.pdf?origin=publication_detail | Reference material (booklets and training manuals for extension agents, etc.) | 2014 | Complete | |
| C. Jost. Gender and Inclusion Toolbox: Participatory Research in Climate Change and Agriculture. Presentation to the CARE/IEWM Gender and Climate Change Working Group. Nairobi, Kenya. 11 Jan 2015. | Presentations | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|--|---|------|----------|---------------|
| C. Jost, N. Ferdous, P. Kristjanson. Boîte à Outils Du Genre Et De L'inclusion : Recherche Participative Sur Les Changements Climatiques Et L'agriculture. CCAFS, 15 Oct. 2014. Draft French translation. | Reference material (booklets and training manuals for extension agents, etc.) | 2014 | Complete | |
| C. Jost, N. Ferdous, P. Kristjanson. Caja de herramientas sobre los temas de género e inclusion Investigación participativa sobre cambio climático y agricultura. CCAFS, 15 Oct. 2014. Draft Spanish translation. | Reference material (booklets and training manuals for extension agents, etc.) | 2014 | Complete | |
| Twyman J, Green M, Bernier Q, Kristjanson P, Russo S, Tall A, Ampaire E, Nyasimi M, Mango J, McKune S, Mwongera C, Ndourba Y. 2014 Gender and Climate Change Perceptions, Adaptation Strategies, and Information Needs: Preliminary Results from Four Sites in Africa. CCAFS Working Paper no. 83. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark. Available online at http://ccaafs.cgiar.org/publications/adaptation-actions-africa-evidence-gender-matters#.VGO54ocg25A | Working Paper | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|---|---------------|------|----------|---------------|
| <p>Tall, A., P. Kristjanson, M. Chaudhury, S. McKune and R. Zougmore, 2014. Whogets the Information? Gender, power and equity considerations in the design of climate services for farmers. CCAFS Working Paper No. 89. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark Available online at: https://cgspace.cgiar.org/bitstream/handle/10568/49673/CCAFS%20WP%2089.pdf</p> | Working Paper | 2014 | Complete | |
| <p>Jost CC, Kristjanson P, Ferdous N. 2014. Participatory approaches for gender-sensitive research design. CCAFS CCSL Learning Brief No. 5. https://cgspace.cgiar.org/bitstream/handle/10568/35729/CCAFS%20CCSL%20Learning%20Brief%20No%205_gender.pdf?sequence=1</p> | Working Paper | 2014 | Complete | |

Partners:

- 1- CGIAR Consortium Office:
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- 2- World Agroforestry Centre (ICRAF):
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7- Centro Agronómico Tropical de Investigación y Enseñanza (CATIE):

8- CGIAR Gender and Agriculture Research Network:

9- International Livestock Research Institute (ILRI):

10- Centro Internacional de agricultura Tropical (CIAT):

11- Kenya Agricultural Research Institute (KARI):

12- Makerere University:

13- Ministry of Agriculture, Animal Industry & Fisheries (MAAIF):

14- Ministry of Agriculture, Kenya:

15- Ministère de l'Agriculture et de l'Équipement Rural:

16- International Fund for Agricultural Development (IFAD):

Location(s):

Regions: East Africa (EA), West Africa (WA), South Asia (SAs), Latin America (LAM), South East Asia (SEA),

Activity 634-2014

4.1.4. Evidence-based and forward-looking climate and agriculture strategies and planning

| | | | |
|------------|----------|-----------|------------|
| Status | Complete | Milestone | 4.1.4 2015 |
| Start date | 2012 Jan | End date | 2015 Dec |

Description: Evidence-based and forward-looking climate and ag strategies and planning. Capacity in futures planning under CC built in CCAFS regions, and key national and regional agencies using the scenarios in informing forward-looking agricultural development, food security, and climate change-related policies and programs. Partner-led engagement and communication approaches, knowledge networks/platforms, and capacity of farmers' organizations, government and regional organization partners' strengthened to implement evidence-based and forward-looking CCAFS-related strategies and planning.

Status: Complete. Title: 4.1.4. Climate and agriculture strategies and policies

By: Jost Vervoort

Summary: In 2013, socio-economic/climate scenarios were created with participants and for all CCAFS regions (2 LAM sub-regions) and economic and land use models. In 2014, an impact-focused policy research approach was adopted to implement and evaluate the effectiveness of scenario-guided policy development processes in close collaboration with governments, asking "How can multi-stakeholder-generated, qualitative/quantitative scenarios be used to improve decision-making for better future food security, rural livelihoods and environments under conditions of climatic and socio-economic change?"

Six scenario-guided policy processes were organized for the case study-based research:

- The Cambodia Climate Change Priorities Action Plan (CCCPAP) has been finalized in mid-2014, and contains a significant element of scenario-guided strategic planning, as well as CSA approaches.
- The Honduras Secretariat for Agriculture and Livestock worked closely with CCAFS in a scenario-guided process to develop its climate adaptation, due to be finalized in early 2015. Almost all of the many recommendations for significant change in the policy have been accepted by the government.
- The General Economics Division of the Bangladesh Planning Commission has used scenarios to help shape their 7th 5 year socio-economic development plan, which is to be finalized in June 2015.
- ECOWAS-level scenarios were used with the Ghana national policy platform in a process led by the CCAFS SIA and scenarios teams to find policy gaps between governance levels; the platform intends to take these recommendations forward into its involvement in NAP development.
- In Uganda, recommendations for key areas of integration between adaptation, agriculture and land use policies were outline, to be taken forward with the IITA FP4 project in early 2015.
- In Peru, the focus was on the reviewing on the PLANGRACC by government representatives,

national level FAO colleagues and other stakeholders.

One indicator of scenarios impact used in the research was the role and potential impact of the focus policy in the CCAFS scope, ranging from sector-specific to broader strategic plans. Indicators around learning highlighted the novelty of the method for many participants and their interest in using it more in follow-up work. A monitoring of the detailed steps of each process demonstrated the value of having a highly adaptable scenario method; close contact with policy makers and adaptive capacity to deal with changes in the policy environment. The scenario guided policy research continues in 2015, but early results confirm our hypotheses:

- When using scenarios for planning the focus should be on specific policies, institutional arrangements or investments with small constellations of actors.
- Scenarios methodology has to be internalized by users to ensure long-term impacts.
- The use of scenarios for decision-guidance requires close collaboration with those in the position to develop policy drafts, but also engagement with decision-makers when policies have to be reviewed.

This research shows how scenarios can be used to guide policy and demonstrates the value of a policy research approach to scenario projects. Scenario processes were also conducted with Lao PDR, Vietnam, Ecuador, Bolivia, El Salvador, Colombia, Burundi and Rwanda. Strong collaborations were developed at the global level with OXFAM, UNEP WCMC, FAO, CARIAA, WRI, WWF, IFAD, the OECD and others.

Sub-activity: Influencing National and Regional Decision-Making

By: Jost Vervoort

Status: Up to 2013, socio-economic/climate scenarios had been developed for all CCAFS regions with stakeholders and agro-economic models. In 2014, the CCAFS scenarios program transformed into a research project focused on evaluating the effectiveness of scenario-guided policy development processes. Several policies have already incorporated scenario-based changes into new drafts: In Cambodia, the CCPAP was finalized and signed in 2014; in early/mid 2015, the Bangladesh 5-year development plan and adaptation plans in Honduras and Colombia will be finalized. Global partnerships with Oxfam GB, UNEP WCMC, FAO, WWF, IFAD, OECD, WRI and CARIAA were developed.

T4.1 ML&E Results: See related case study Researching the effectiveness of scenarios as a tool for policy guidance.

Gender Component: Overall activity: This activity is gender inclusive, in the sense that female participants are included in the process, but does not target gender issues specifically.

Sub-activity: Influencing National and Regional Decision-Making

In all policy analysis processes and through the content of the scenarios, the importance of policies that incorporate and elaborate on gender issues is highlighted. In all scenario-guided policy processes an effort is made to have a good gender balance between participants.

Objectives:

1. 4.1.4(1) Land health and soil carbon measurement being used by partners to inform national and regional land, agriculture and climate change policies
2. 4.1.4(4) Network further expanded to help inform national, regional and global players of the opportunities for a UNFCCC Agreement on Agriculture and Climate Change, options developed for national policy processes

Deliverables:

| Description | Type | Year | Status | Justification |
|--|--|------|----------|---|
| 1 or more peer-reviewed journal articles on the design and analysis of scenarios in 5 CCAFS regions | Peer-reviewed journal articles | 2014 | Complete | Vervoort, J. M., P. K. Thornton, P. Kristjanson, W. Förch, P. J. Ericksen, K. Kok, J. S. I. Ingram, M. Herrero, A. Palazzo, A. E. S. Helfgott, A. Wilkinson, P. Havlík, D. Mason-D'Croz, and C. Jost. 2014. Challenges to scenario-guided adaptive action on food security under climate change. <i>Global Environmental Change</i> . http://www.sciencedirect.com/science/article/pii/S0959378014000387 |
| CCAFS Theme 4.1 scenarios quarterly blog series | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| Herrero, M., P. K. Thornton, A. Bernués, I. Baltenweck, J. Vervoort, J. van de Steeg, S. Makokha, M. T. van Wijk, S. Karanja, M. C. Rufino, and S. J. Staal. 2014. Exploring future changes in smallholder farming systems by linking socio-economic scenarios with regional and household models. <i>Global Environmental Change</i> 24:165-182.: http://www.sciencedirect.com/science/article/pii/S0959378013002380 | Peer-reviewed journal articles | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|---|--|------|----------|---------------|
| Presentation to 34 decisionmakers of ministries of agriculture and planning of 7 countries in Latin America of scenario program in CCAFS LAM COP20 side event "Tools and Methods for Planning and Decisionmaking in Climate Change and Agriculture. | Presentations | 2014 | Complete | |
| 2 UCI Webinars for PMI's Global Sustainability Community Practice | Presentations | 2014 | Complete | |
| "Scenarios on food security, environments and adaptation in the Great Lakes region, Uganda" video by Elisabeth van de Grift: https://www.youtube.com/watch?v=VgGIUFz3oFY&list=PLmATng7IKk6Uv5oVJfgDsGWyIO6CDCmSV | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| "Andean countries join forces to strengthen policies in the face of future scenarios" video by Elisabeth van de Grift and Jose Luis Urrea: https://www.youtube.com/watch?v=EQkIWRa9zkM&index=2&list=PLmATng7IKk6Uv5oVJfgDsGWyIO6CDCmSV | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|---|--|------|----------|---------------|
| "Explorando escenarios socioeconómicos bajo el cambio climático en Centroamérica" By Elisabeth van de Grift https://www.youtube.com/watch?v=cXPGlc1lrww | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| "Explorando escenarios socioeconómicos bajo el cambio climático en los países Andinos" by Elisabeth van de Grift and Jose Luis Urrea https://www.youtube.com/watch?v=JyzKY2dbR4I | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| Photos Peru workshop (https://www.flickr.com/photos/cgiarclimate/sets/72157649064402567/) | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|---|--|------|----------|---------------|
| Photos Cambodia workshop (https://www.flickr.com/photos/cgiarclimate/sets/72157648838367257/) | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| Photos Uganda workshop (https://www.flickr.com/photos/cgiarclimate/sets/72157645914926893/) | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| Photos Ghana (SIA) workshop (https://www.flickr.com/photos/cgiarclimate/sets/72157644448992491/) | Social media outputs (including web sites, blogs, wikis, linkedin group, facebook, yammer, etc.) | 2014 | Complete | |
| Semi-plenary: Resilience in the Anthropocene at Earth System Governance, Norwich, 1-3 July 2014, led by Joost Vervoort http://norwich2014.earthsystemgovernance.org/wp-content/uploads/2014/06/ESG-Conference-Programme_Final2_compressed_Jun20.pdf | Presentations | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|---|---|------|----------|---------------|
| Semi-plenary: Resilience in the Anthropocene at Earth System Governance, Norwich, 1-3 July 2014, led by Joost Vervoort http://norwich2014.earthsystemgovernance.org/wp-content/uploads/2014/06/ESG-Conference-Programme_Final2_compressed_Jun20.pdf | Presentations | 2014 | Complete | |
| Panel session "Challenges to scenario-guided governance of food systems under climate change" by Joost vervoort at ESG in Norwich, 1-3 July 2014 http://norwich2014.earthsystemgovernance.org/wp-content/uploads/2014/06/NC14-panels-9.pdf | Presentations | 2014 | Complete | |
| Panel session Scenario-guided adaptive action on food security under climate change" at Resilience 2014, 4 to 8 July, Montpellier, by Joost Vervoort http://resilience2014.sciencesconf.org/25418 | Presentations | 2014 | Complete | |
| Workshop documentation: https://www.dropbox.com/sh/7rec44zl686mk9f/AAAH3eFkxuPrWEgH5qetfglNa?dl=0 | Research report (i.e. workshop report, consultant's report, discussion paper, project report, student thesis, etc.) | 2014 | Complete | |

| Description | Type | Year | Status | Justification |
|--|---|------|----------|---------------|
| Using scenarios for collaborative sense-making and action in food systems: opportunities for social entrepreneurs by Joost Vervoort http://www.sbs.ox.ac.uk/sites/default/files/Skoll_Centre/Documents/essay-vervoort.pdf | Discussion paper | 2014 | Complete | |
| A sign of things to come? Examining four major climate-related disasters, 2010-2013, and their impacts on food security. A preliminary study for Oxfam's GROW Campaign by Christopher Coghlan, Maliha Muzammil, John Ingram, Joost Vervoort, Friederike Otti and Rachel James http://www.oxfam.org/sites/www.oxfam.org/files/file_attachments/rr-eci-a-sign-of-things-to-come-190914-en.pdf | Research report (i.e. workshop report, consultant's report, discussion paper, project report, student thesis, etc.) | 2014 | Complete | |

Partners:

1- CGIAR Research Program on Water, Land and Ecosystems (CRP5):

2- World Agroforestry Centre (ICRAF):

3- Centro Internacional de agricultura Tropical (CIAT):

Ana Maria Loboguerrero Rodriguez <a.m.loboguerrero@cgiar.org>

4- International Food Policy Research Institute (IFPRI):

Daniel Mason-D'Croz <d.mason-dcroz@cgiar.org>

5- International Water Management Institute (IWMI):

Pramod Aggarwal <p.k.aggarwal@cgiar.org>

6- International Crops Research Institute for the Semi-Arid Tropics (ICRISAT):

Robert Zougmore <r.zougmore@cgiar.org>

- 7- International Livestock Research Institute (ILRI):
Polly Ericksen <p.ericksen@cgiar.org>
- 8- East African Community (EAC):
Brian Otiende <botiende@eachq.org>
- 9- Economic Community of West African States (ECOWAS):
Alain Sy Traore <syalaintraore@yahoo.fr>
- 10- Association for strengthening Agricultural Research in Eastern and Central Africa (ASARECA):
Clet Wandui Masiga <wmasiga@hotmail.com>
- 11- West and Central African Council for Agricultural Research and Development (CORAF/WECARD):
Abdulai Jalloh <abdulai.jalloh@coraf.org>
- 12- Institut du Sahel (INSAH):
- 13- University of Oxford:
Joost Vervoort <joost.vervoort@eci.ox.ac.uk>
- 14- Society for International Development - Eastern Africa (SID EA):
Ali Hersi <ahersi@sidint.org>
- 15- Eastern Africa Farmers Federation (EAFF):
M. Mainza <mmainza@eaffu.org>
- 16- Food and Agriculture Organization of the United Nations (FAO):
Sibyl Nelson <sibyl.nelson@fao.org>
- 17- Collaborative Adaptation Research Initiative in Africa and Asia (CARIAA):
Blane Harvey <bharvey@idrc.ca>
- 18- Secretaría de Agricultura y Ganadería de Honduras (SAG):
Marlon Duron <marlon.duron@yahoo.es>
- 19- Ministerio de Agricultura, Ganadería y Alimentación (MAGA):
- 20- Ministerio de Agricultura y Desarrollo Rural (MADR):

Victoria Pena <victoria.pena@minagricultura.gov.co>

21- Ministerio de Agricultura, Ganadería, Acuacultura y Pesca (MAGAP):
Daguin Aguilar <daguilar@magap.gob.ec>

22- The United Nations Office For Disaster Risk Reduction (UNISDR):

23- Departamento Nacional de Planeación (DNP):
Daniel Alejandro Ordonez Pachon <ordonez@dnpp.gov.co>

24- Ministerio de Defensa Nacional (Mindefensa):
Jorge Garzón <jorge.garzon46@gmail.com>

25- Ministry of Agriculture, Forestry and Fisheries (MAFF):
Ty Sokhun <tysokhun@gmail.com>

26- Ministry of Commerce (MOC):
Sun Chanthol <chantholsun@yahoo.com>

27- Mekong River Commission (MRC):
Praivan Limbanboon <praivan@mrcmekong.org>

28- Ministry of Agriculture and Rural Development (MARD):
Thuc Tran Vuong <nqduongsnu@yahoo.com>

29- Ministry of Environment, Rwanda:
Jean Claude Mutabazi <mujc@yahoo.fr>

30- Ministry of Water and Environment (MWE):
Teddy Tindamanyire <tindamanyiremtt@yahoo.co.uk>

31- Institut National de la Recherche Agronomique (INRA):
Calvin Atewamba <atewamba@unu.edu>

32- Deltaplan Bangladesh:
Martin Bos <martin.bos@minbuza.nl>

33- General Economics Division of the Bangladesh Planning Commission:
Sheikh Moinul Islam Moin <moinbad05@gmail.com>

34- International Centre for Climate Change And Development (ICCAD):

Saleemul Huq <saleemul.huq@iied.org>

35- Ministry of Agriculture and Forestry (MAF):

36- Ecosystem Services for Poverty Alleviation (ESPA):

Craig Hutton <cwh@geodata.soton.ac.uk>

37- Deltas vulnerability and Climate Change: Migration and Adaptation Project (DECCMA):

Craig Hutton <cwh@geodata.soton.ac.uk>

38- United Nations University West Africa (UNU):

Calvin Atewamba <atewamba@unu.edu>

39- The Council for Scientific and Industrial Research (CSIR):

40- Albertine Rift Conservation Society (ARCOS):

Sam Kanyamibwa <skanyamibwa@arcosnetwork.org>

41- Ministry of East African Community:

Wellars Furere <fullars@yahoo.fr>

42- Ministry of Agriculture, Animal Industry & Fisheries (MAAIF):

Hakuza Annunciata <maaifewu@yahoo.co.uk>

Location(s):

Regions: East Africa (EA), West Africa (WA), South Asia (SAs), Latin America (LAM), South East Asia (SEA),

2. Succinct summary of activities and deliverables by Output level.

Output: 4.1.2

Summary: Phase 1 Completed The aim of T 4.1.2 was to assess the effectiveness of innovative approaches to communication and research in influencing the actions of diverse stakeholders, including CC scientists, smallholder farmers, and their network of support organizations and experts. It was hypothesized that by diversifying science communication channels there would be greater positive impact to the end-user. The innovative approaches that were used such as television, SMS and online social platforms reached a wider audience and contributed to the decision-making process of smallholders. Farmer-to-farmer co-learning was achieved through farmer innovation fairs, and an analysis shows that PID is a promising approach to catalyze and institutionalize such approaches. Climate-smart technologies were better understood and readily adopted as a result of information dissemination using a variety of interactive techniques that encouraged them to connect with technologies and practices, ask questions and adapt new ideas to their own situations. For those who made climate-smart decisions, social-economic benefits were registered in terms of higher farm productivity, improved nutrition and improved incomes. Evidence indicates that the innovations were trustworthy, relevant and valuable. Many other partners, realizing the potential in innovative communication, became involved in the efforts either as research partners, funders or commercial entities. Government bodies were also stakeholders, pointing to the likelihood of policy changes regarding communication being in the pipeline. Policy changes are also expected in line with accessibility to featured products that elicited public interest.

Output: 4.1.3

Summary: Phase 1 Completed K2A used the research process to concomitantly build the capacity of regional partners to conduct, design and implement gender and socially appropriate CC-research. The underlying assumption was that in order to work at scale, CCAFS as well as CC stakeholders must document, learn and produce informed research targeting women and vulnerable groups by addressing their climate and social realities in context via social differentiation. Thus K2A expanded from its original output target to include activities that built a network of skilled gender researchers both online and through regional coordination events, where regional impact pathways were collectively designed and initiated. A new toolbox focusing on gender/PAR research was co-developed with CARE international. This toolbox and the CCAFS gender survey were scaled out to CCAFS EA, WA, SEA, LAM and the many NGO, NARS and scientists working in partnership. These events have helped spur new gender research proposals (WA) and mainstreaming action planning in CSVs (SEA). The IFPRI/CCAFS quantitative gender survey, based on the priority CCAFS gender questions, is also scaling out gender/social differentiation tools and data through new partnerships with NARS and local partners on how to best target CSA practices to women in LAM and East Africa. K2A's progress in building networks to support scaling-out gender/social differentiation research has been documented using the Theme 4.1 impact pathway indicators. A review of CGIAR Centre progress in addressing the CCAFS priority gender and CC knowledge gaps found that centre

recourses need to focus more on understanding adaptation/mitigation tradeoffs, and testing gender appropriate institutional arrangements.

Output: 4.1.4

Summary: Phase 1 Completed The original 4.1.4 activity was not planned in a research context. In 2014, however, the scenario project transformed into a research project to conduct, and assess the effectiveness of, scenario-guided policy development, involving 6 case studies in the 5 CCAFS regions. Hypotheses focused on an engagement with specific policies and the need for a close and continual collaboration with policy makers – both those involved in writing policies and those making strategic policy decisions. Policies involved sector-specific plans and broader development strategies. In each process, the scenarios were adapted and re-imagined by specific groups of policy makers and stakeholders and used to analyse policies in detail and provide changes to increase their robustness under climatic and socio-economic uncertainty. Research results, based on indicators on the policy's scope, detailed steps needed in a policy process and the learning of those involved, confirmed the research hypotheses. In addition, the flexibility of the methods and the adaptive capacity of the research team to shape a process to the needs of the policy makers proved to be crucial. The research project has allowed us to understand how scenarios can be effectively used in policy processes – what should be adopted and what pitfalls should be avoided.

3. Communications.

Media Campaigns:

None

Blogs:

Want sustainable development? Then it's time to get social, by Patti Kristjanson and Cecilia Schubert. Uploaded: January 8 2014. <http://ccafs.cgiar.org/research-highlight/want-sustainable-development-then-it%E2%80%99s-time-get-social> Views: 1,073

Influencing change: What matters for farmers' ability to adapt to climate change? by Patti Kristjanson and Cecilia Schubert. Uploaded: February 18 2014. <http://ccafs.cgiar.org/research-highlight/influencing-change-what-matters-farmers-ability-adapt-climate-change> Views: 860

Zooming in, zooming out: exploring Kenya's agricultural futures from farm to regional level, by Joost Vervoort (ed. Cecilia Schubert). Uploaded: February 28 2014. <http://ccafs.cgiar.org/blog/zooming-zooming-out-exploring-kenyas-agricultural-futures-farm-regional-level> Views: 230

Communicating behavior change: how a Kenyan TV show is changing rural agriculture by Nafisa Ferdious and Manon Verchot. Uploaded: March 11, 2014. <http://ccafs.cgiar.org/blog/communicating-behavior-change-how-kenyan-tv-show-changing-rural-agriculture> Views: 486

Empowering women to take the lead on climate change adaptation by Cecilia Schubert and Dharini Parthasarathy. Uploaded: March 3, 2014. <http://ccafs.cgiar.org/blog/empowering-women-take-lead-climate-change-adaptation> Views: 520

Gender-dimensions of climate-smart agriculture: what do we really know? by Cecilia Schubert. Uploaded: March 4, 2014. <http://ccafs.cgiar.org/blog/gender-dimensions-climate-smart-agriculture-what-do-we-know> Views: 611

Coming soon: a gender and climate change manual made by many by Nafisa Ferdous. Uploaded: March 5, 2014. <http://ccafs.cgiar.org/blog/coming-soon-gender-and-climate-change-manual-made-many> Views: 430

Gender: from latecomer to shaping a new research agenda for agriculture and climate change, by Cecilia Schubert. Uploaded: March 6, 2014. <http://ccafs.cgiar.org/blog/gender-latecomer-creating-new-agenda-agriculture-and-climate-research> Views: 285

Paving the way for social learning in the climate change context by Marissa van Epp (ed. Cecilia Schubert). Uploaded: March 19, 2014. <http://ccafs.cgiar.org/blog/paving-way-social-learning-climate>

[change-context](#) Views: 266

Farm make-over team works on the ground with groundnuts! by Katharine MacMahon. Uploaded: March 20, 2014. <http://ccafs.cgiar.org/blog/farm-make-over-team-work-ground-groundnuts> Views: 160

How do we best create long-term impact that matters to smallholder farmers? by Cecilia Schubert. Uploaded: April 7, 2014. <http://ccafs.cgiar.org/blog/how-do-we-best-create-long-term-impact-matters-smallholder-farmers> Views: 550

Searching for that evergreen farm with the Shamba Shape Up make-over team, by Katharine MacMahon (ed. Cecilia Schubert). Uploaded: April 17, 2014. <http://ccafs.cgiar.org/blog/searching-evergreen-farm-shamba-shape-make-over-team> Views: 190

How to better support women wanting to adopt climate-smart agriculture practices? by Timothy Muthee Mburu. Uploaded: 29 May 2014. <http://ccafs.cgiar.org/blog/how-support-women-wanting-adopt-climate-smart-agriculture-practices> Views: 275

Blog Competition: Who decides on tree planting: men or women? by Seline Meijer (ed. Cecilia Schubert). Uploaded: June 4, 2014. <http://ccafs.cgiar.org/blog/who-decides-tree-planting-men-or-women> Views: 280

Blog competition: 'Akoro' no more: cassava multiplication techniques help Ugandan farmers achieve a food secure future, by Cuthbert Aongat (ed. Cecilia Schubert). Uploaded: June 6, 2014. <http://ccafs.cgiar.org/blog/akoro-no-more-cassava-multiplication-techniques-help-ugandan-farmers-achieve-food-secure-future> Views: 156

Blog competition: Climate change impacts and adaptation: Story from my Nepalese village, by Madan Poudel (ed. Cecilia Schubert). Uploaded: June 9, 2014. <http://ccafs.cgiar.org/blog/climate-change-impacts-and-adaptation-story-my-nepalese-village> Views: 550

Blog competition: Weekend farmer puts climate-smart farming practices to the test in Thailand, Supisra Arayaphong and Ekaterina Bessonova (ed. Cecilia Schubert). Uploaded: June 19, 2014. <http://ccafs.cgiar.org/blog/weekend-farmer-puts-climate-smart-farming-practices-test-thailand> Views: 470

Blog competition: Farming for the future: How young people will be feeding the next generation, by Lizz Harrison. Uploaded: June 26, 2014. <http://ccafs.cgiar.org/blog/farming-future-how-young-people-will-be-feeding-next-generation> Views: 440

Blog competition: Agriculture in Grenada meets renewable energy champion, by Yacouba Toussaint

(ed. Cecilia Schubert). Uploaded: June 30, 2014. <http://ccafs.cgiar.org/blog/agriculture-grenada-meets-renewable-energy-champion> Views: 277

What does 'female empowerment' mean to women in Kenya? by Cecilia Schubert. Uploaded: June 28, 2014. <http://ccafs.cgiar.org/blog/what-does-%E2%80%99female-empowerment%E2%80%99-mean-women-kenya> Views: 330

Uncovering gender perceptions and beliefs in the hunt for climate information, by Cecilia Schubert. Uploaded: June 29, 2014. <http://ccafs.cgiar.org/blog/uncovering-perceptions-beliefs-and-activities-hunt-gender-information> Views: 300

Can innovative communications approaches help farmers adapt to climate smart agriculture?, by Timothy Mburu Muthee. Uploaded: June 9, 2014. <http://ccafs.cgiar.org/blog/can-innovative-communications-approaches-help-farmers-adapt-climate-smart-agriculture> Views: 330

New analysis suggests gender differences in how farmers adapt to climate-smart agriculture, by Timothy Mburu Muthee. Uploaded: June 10, 2014. <http://ccafs.cgiar.org/blog/new-analysis-suggests-gender-differences-how-farmers-adapt-climate-smart-agriculture> Views: 380

A step in the right direction: helping decision-makers ensure a food secure future, by Joost Vervoort and Cecilia Schubert. Uploaded: June 13, 2014. <http://ccafs.cgiar.org/blog/step-right-direction-helping-decision-makers-ensure-food-secure-future> Views: 260

Which factors are key for successful social learning? by Cecilia Schubert. Uploaded: July 2, 2014. <http://ccafs.cgiar.org/blog/which-factors-are-key-successful-social-learning> Views: 285

Sacrificing goats and cutting down trees. A tale of climate change causes and communication, by Cecilia Schubert. Uploaded: July 3, 2014. <http://ccafs.cgiar.org/blog/sacrificing-goats-and-cutting-down-trees-tale-climate-change-causes-and-communication> Views: 300

Grand greenhouse plans keep youths farming for a better future, by Cecilia Schubert. Uploaded: July 9, 2014. <http://ccafs.cgiar.org/blog/grand-greenhouse-plans-get-youths-farming-better-future> View: 420

Grandma Peris Owiti and her powerful plants, by Cecilia Schubert. Uploaded: July 11, 2014. <http://ccafs.cgiar.org/blog/grandma-peris-owiti-and-her-powerful-plants> Views: 255

All lights on real-life social learning case studies, by Cecilia Schubert. Uploaded: July 15, 2014. <http://ccafs.cgiar.org/blog/all-lights-real-life-social-learning-case-studies> Views: 230

Hybrid seeds and super goats: meet Kenya's future farmers. By Cecilia Schubert. Uploaded: July 16 2014. <http://ccaafs.cgiar.org/blog/hybrid-seeds-and-super-goats-meet-kenya%E2%80%99s-future-farmers> Views: 225

Photo-story: Kenya's climate-smart farms through a lens. By Cecilia Schubert. Uploaded: July 18 2014. <http://ccaafs.cgiar.org/blog/photo-story-kenyas-climate-smart-farms-through-lens> Views: 230

It takes a village to build climate-resilience, by Cecilia Schubert. Uploaded: July 21, 2014. <http://ccaafs.cgiar.org/blog/it-sometimes-takes-village-build-climate-resilience-future> Views: 200

These are some of the impacts an agriculture TV-show can have, by Cecilia Schubert and Timothy Muthee. Uploaded: August 16, 2014. <http://ccaafs.cgiar.org/blog/these-are-some-long-term-impacts-agriculture-tv-show-can-have> Views: 673

Future scenario development now part of Cambodia's Action Plan for Agriculture, Joost Vervoort and Rathana Peou. Uploaded: September 17, 2014. <http://ccaafs.cgiar.org/blog/future-scenario-development-now-part-cambodias-action-plan-agriculture> Views: 360

Can social learning change the way we do research for development? By Cecilia Schubert, Chris Jost, Wiebke Förch and Joost Vervoort. Uploved: September 10 2014. <http://dialogues.cgiar.org/blog/changing-the-way-we-do-research-for-development/> Submission to blog competition CGIAR DDays.Views: n/a

Putting policies to the test: scenarios on food security, environments and adaptation, Elisabeth van De Grift and Joost Vervoort. Upload: October 3, 2014. <http://ccaafs.cgiar.org/blog/putting-policies-test-scenarios-food-security-environments-and-adaptation> Views: 235

New toolbox for gender and inclusion in climate change projects, Cecilia Schubert. Uploaded: October 16, 2014. <http://ccaafs.cgiar.org/research-highlight/new-toolbox-gender-and-inclusion-climate-change-projects> Views: 1,300

Intelligent ideas: scenarios to manage water as climate changes in Guatemala, by Moushumi Chaudhury, Paul Reig and Tien Shiao. Uploaded: October 27, 2014. <http://ccaafs.cgiar.org/blog/intelligent-ideas-scenarios-manage-water-climate-changes-guatemala> Views: 200

Communication for Development Impact: experiences from partnering with an agriculture make-over TV-show, by K2A team. Uploaded: December 2014. <http://ow.ly/FATCm>. Views: n/a

Andean countries join forces to strengthen policies in the face of future scenarios by Elisabeth van De

Grift and Joost Vervoort. Uploaded: December 19 2014. <http://ccaafs.cgiar.org/blog/andean-countries-join-forces-strengthen-policies-face-future-scenarios> Views: 219

Helping Honduras build a more robust climate adaptation strategy for the agriculture sector by Cecilia Schubert. Uploaded: December 15 2014. <http://ccaafs.cgiar.org/blog/helping-honduras-build-more-robust-climate-adaptation-strategy-agriculture-sector> Views: 186

What does the future hold for Bangladesh? Modeling scenarios for better climate policies. By Cecilia Schubert. Uploaded: December 11 2014. <http://ccaafs.cgiar.org/blog/what-does-future-hold-bangladesh-modeling-scenarios-better-climate-policies> Views: 273

Blogging an impact story: highlights from linking knowledge with action, by K2A team. Uploaded: December 28, 2014. <http://ccaafs.cgiar.org/blog/blogging-impact-story-highlights-linking-knowledge-action> Views: 224

Climate-smart agriculture lives and breathes among smallholders in Kenya, by Cecilia Schubert and Timothy Mburu. Uploaded: January 2, 2015. <http://ccaafs.cgiar.org/blog/climate-smart-agriculture-lives-and-breathes-among-smallholders-kenya> Views: 192

Websites:

<http://ccaafs-ip-toc-cd.wikispaces.com/>

Social Media Campaigns:

Social media campaign around blog competition, providing 6 winners from four out of CCAFS five regions: <http://ccaafs.cgiar.org/blogs/blogcompetition>

Social media campaign around the blog: Want sustainable development? Then it's time to get social, by Patti Kristjanson and Cecilia Schubert. Uploaded: January 8 2014. <http://ccaafs.cgiar.org/research-highlight/want-sustainable-development-then-it%E2%80%99s-time-get-social> Views: 1,073

Social media campaign and engagement around International Women's Day (one week celebration) with 5 gender-related blogs with great outreach: <http://ccaafs.cgiar.org/blogs/iwd2014>

Social media competition with Shamba Shape Up media team. Competition: online followers and SSU viewers to answer CSA related questions (as seen on recent SSU videos), with 4 winners (2 men & 2 women) with winners receiving caps, bags and CSA-related materials. Winners all Kenyan.

Social media campaign and promotion of Gender & Inclusion Toolbox: "New toolbox for gender and inclusion in climate change projects" by Schubert C. <http://ccaafs.cgiar.org/research-highlight/new-toolbox-gender-and-inclusion-climate-change-projects> (Live-stream of the gender toolkit accompanied by a live-tweet session, social media campaign and massive dissemination and outreach activities)

Social media campaign around climate-smart village visit blogs:

<http://ccafs.cgiar.org/blog/grand-greenhouse-plans-get-youths-farming-better-future>

<http://ccafs.cgiar.org/blog/grandma-peris-owiti-and-her-powerful-plants>

<http://ccafs.cgiar.org/blog/hybrid-seeds-and-super-goats-meet-kenya%E2%80%99s-future-farmers>

<http://ccafs.cgiar.org/blog/photo-story-kenyas-climate-smart-farms-through-lens>

Newsletters:

None

Events:

Online webinar on gender and climate-smart agriculture. <http://ccafs.cgiar.org/online-webinar-gender-and-climate-smart-agriculture>

Introductory Training on Theories of Change, Impact Pathways and Monitoring and Evaluation. <http://ccafs.cgiar.org/introductory-training-theories-change-impact-pathways-and-monitoring-and-evaluation>

What's the Fuss about Gender? Workshop on exploring new evidence and implications for policy and development. <http://ccafs.cgiar.org/what%E2%80%99s-fuss-about-gender-workshop-exploring-new-evidence-and-implications-policy-and-development>

Workshop on Evidence Gathering for the Climate Change and Social Learning community. <http://ccafs.cgiar.org/workshop-evidence-gathering-climate-change-and-social-learning-community>

Escenarios futuros usados para la formulación de política pública en Honduras. <http://ccafs.cgiar.org/escenarios-futuros-usados-para-la-formulaci%C3%B3n-de-pol%C3%ADtica-p%C3%BAblica-en-honduras>

Workshop: Context specific scenario-guided policy analysis for development, food security and environment in the Andean region. <http://ccafs.cgiar.org/workshop-context-specific-scenario-guided-policy-analysis-development-food-security-and-environment#>

Live-stream launch of Gender and Social Inclusion Toolbox. <http://ccafs.cgiar.org/live-stream-launch-gender-and-social-inclusion-toolbox>

Using Climate Scenarios and Analogues for Designing Adaptation Strategies in Agriculture. <http://ccafs.cgiar.org/using-climate-scenarios-and-analogues-designing-adaptation-strategies-agriculture>

Taller: Análisis de políticas para el desarrollo, la seguridad alimentaria y el ambiente guiado por escenarios específicos para la región andina. <http://ccaafs.cgiar.org/taller-an%C3%A1lisis-de-pol%C3%ADticas-para-el-desarrollo-la-seguridad-alimentaria-y-el-ambiente-guiado-por>

Videos and other Multimedia:

Video: Remmus Othiambo on how CCAFS is supporting his community. Video by Cecilia Schubert. <https://www.youtube.com/watch?v=r-Y4X4nXA50&list=UU6KnRP9RNE3346W49oeceaA&index=9>

Uploaded: May 29 2014. Views: 72

Video: Remmus Othiambo talks about how his community can work together for a better tomorrow. Video by Cecilia Schubert. <https://www.youtube.com/watch?v=kan4AxEevsE&index=8&list=UU6KnRP9RNE3346W49oeceaA>

Uploaded: May 29 2014. Views: 34

Video: Jack Onyango on how the climate has changed in his community and ways they are dealing with it. Video by Cecilia Schubert. <https://www.youtube.com/watch?v=NJmGbwYVJF4&list=UU6KnRP9RNE3346W49oeceaA&index=6>

Uploaded: June 3 2014. Views: 61

Video: Climate-smart farmer Peris Owiti's has a demonstration plot for women. Video by Cecilia Schubert. <https://www.youtube.com/watch?v=uyNMDfi2OpQ&list=UU6KnRP9RNE3346W49oeceaA&index=5>

Uploaded: June 4 2014. Views: 153

Video: Farmer Jack talks about what he learned from community session. Video by Cecilia Schubert. <https://www.youtube.com/watch?v=ZgCyuSYMjjY> Uploaded: June 5 2014. Views: 43

Video: How CCAFS works with women and female empowerment in Kenya. Video by Cecilia Schubert. https://www.youtube.com/watch?v=pdi__2WiHzI Views: 118 Uploaded: June 3 2014

Video: How Shamba Shape Up influences Kenyan farmers to adopt climate-smart agriculture. Video by Timothy Mburu. <http://ow.ly/IVCCv> Views: 176 Uploaded: December 2014

Video: Explorando escenarios socioeconómicos bajo el cambio climático en los países Andinos. By Elisabeth van de Grift. <http://ow.ly/IVCWg> Views: 282 Uploaded: May 26 2014

Video: Explorando escenarios socioeconómicos bajo el cambio climático en Centroamérica. Video by Elisabeth van de Grift. <http://ow.ly/IVDOY> Views: 236 Uploaded: May 27 2014

Video: Andean countries join forces to strengthen policies in the face of future scenarios. Video by Elisabeth van de Grift. <http://ow.ly/IVE3Y> Views: 60 Uploaded: January 2015

Video: Scenarios on food security, environments and adaptation in the Great Lakes region, Uganda. video by Elisabeth van de Grift. <http://ow.ly/IVef3> Uploaded: September 18 2014. Views: 143

Video: Gender and Inclusion Toolbox live launch. <https://www.youtube.com/watch?v=47EuyoAIGIE> Uploaded: October 2014. Views: 177

Video: Workshop: Participatory Research Tools Latin America. https://www.youtube.com/watch?v=qHC_1HXIqT0 Uploaded: January 2015

Photos: Gender and Climate Change Workshop in Nairobi, Kenya. Photos by Timothy Mburu. <http://ow.ly/yEo5G> Uploaded: 14 May 2014. Album Views: 44

Photos: Tackling innovations in climate change. Photos by Timothy Mburu <http://ow.ly/yEoa3> Uploaded: 21 May 2014. Album Views: 22

Photos: Identifying community strengths and goals in Lower Kamula village. Photos by Cecilia Schubert. <http://ow.ly/yEohS> Uploaded: 20 May 2014. Album Views: 444

Photos: Visit to Lower Kamula village in Kenya: Session on Female Empowerment. Photos by Cecilia Schubert. <http://ow.ly/yEoob> Uploaded: May 20 2014. Album Views: 378

Photos: Discussing changes in the climate with men and women farmers in Kenya. Photos by Cecilia Schubert. <http://ow.ly/yEscm> Uploaded: May 19 2014. Album Views: 500

Photos: Visit to the Lower Kamula Youth Group and their greenhouse in Kenya. Photos by Cecilia Schubert. <http://ow.ly/yEsg9> Uploaded: May 20 2014. Album Views: 350

Photos: Kenyan food, farming and landscapes. Photos by Cecilia Schubert. <http://ow.ly/yEswh> Uploaded: May 20 2014. Album Views: 285

Photos: Workshop on Carbon at ICRAF. Photos by Timothy Mburu. <http://ow.ly/yEsGj> Uploaded: May 29 2014. Album Views: 50

Photos: Social learning evidence gathering workshop June. Photos by Cecilia Schubert. <http://ow.ly/yEsPY> Uploaded: June 2014. Album Views: 340

Photos: International Women's Day: Celebrating women across the globe. Photos compiled by Cecilia Schubert. <http://ow.ly/ABpMN> Album Views: 130

Presentation: Sex-disaggregated data for agricultural development: What works; What doesn't. By Patti Kristjanson. <http://ow.ly/ADAE9> Uploaded: August 2014. Views: 438

Presentation: CGIAR reform and approaches to climate smart innovations that ensure farmer needs are incorporated & addressed in research. By Patti Kristjanson & Mehmood Hassan. <http://ow.ly/ADAGd> Uploaded: May 2014. Views: 746

Presentation: Gender, power and groups in Western Kenya (CCAFS/ICRAF/IFPRI Gender WS), by Noora-Lisa Aberman. <http://ow.ly/ADCHw>. Uploaded: May 2014. Views: 1,134

Presentation: Understanding gender and climate change (CCAFS/ICRAF/IFPRI Gender WS) by Joash Mango & Edidah Ampaire. <http://ow.ly/ADCM8> Uploaded: May 2014. Views: 1,225

Presentation: Tackling innovation in climate change research by Patti Kristjanson and Chris Jost. <http://ow.ly/IVKVB> Uploaded: 20 May 2014 Views: 1,500

Presentation: Gender assets and adaptation to climate change in Kenya the role of group based approaches, by Marther Ngigi. <http://ow.ly/ADCRj> Uploaded: May 2014. Views: 1,300

Poster: Agricultural Pathways and Scenarios for Regional Integrated Assessment of Climate Change Impact, Vulnerability and Adaptation, November 5, 2014. By Roberto O Valdivia and Joost Vervoort + many others <https://scisoc.confex.com/scisoc/2014am/webprogram/Paper90829.html>

Flyer: Supporting gender-sensitive climate research, Cecilia Schubert. <http://hdl.handle.net/10568/35693> Downloads: 950

Other Communications and Outreach:

Influencing Change: What Matters for Farmers' Ability to Adapt to Climate Change?, Re-post of "Influencing Change" blog on Climate Himalaya Blog. <http://chimalaya.org/2014/02/26/what-matters-for-farmers-ability-to-adapt/> Uploaded: February 26, 2014.

Influencing change: What matters for farmers' ability to adapt to climate change? Re-post of "Influencing Change" blog on DowntoEarth Blog. <http://downtoearth.danone.com/2014/02/25/influencing-change-what-matters-for-farmers-ability-to-adapt-to-climate-change/> Uploaded: February 25, 2014.

Mention of story on gender-dimensions of climate smart agriculture by Cecilia Schubert in Guardian Recommended Reading List: <http://www.theguardian.com/global-development-professionals-network/2014/mar/07/world-in-a-week-malaysian-opposition-leader-jailed-for-sodomy> March 7, 2014.

CGIAR highlight story by Cecilia Schubert and Dharini Parsarathy on gender and women in South

Asia. Link disabled.

Storify-board celebrating International Women's Day for a whole week, capturing tweets, blogs and updates: <https://storify.com/cgiarclimate/celebrating-international-women-s-day> Uploaded: March 2014. Views: 521

Blog: "Gender-dimensions of climate-smart agriculture: what do we really know?" Featured on International Institute for Sustainable Development (IISD). <http://ow.ly/IWu1z>

Making the case: why social learning is valuable for climate change decision-making. CCSL Blog by Cecilia Schubert featured on ELDIS blog site: <http://ow.ly/w9FI7> Uploaded: April 15, 2014.

"CAAFS Moves towards Demand-Driven Research Approach", Mini-story on CCAFS Theory of Change work featured on International Institute for Sustainable Development (IISD) site. <http://ow.ly/w9FrX>

Storify: live-coverage of the GIMPS Workshop. <https://storify.com/cgiarclimate/impact-pathways-working-group-at-work> Views: 290

Cross-post of climate-smart village photo-story on CGIAR. Story prepared by Cecilia Schubert for CGIAR site. <http://ow.ly/AG28d>

Cross-post of Cecilia Schubert's climate-smart village youth-story on Tanzania Climate Network Blog: "Kenyan youths take lead on climate-smart farming" <http://ow.ly/AG2fe>

Cross-post of Cecilia Schubert's climate-smart village youth-story on Young Professionals in Agriculture (YPARD)'s Blog: "Grand greenhouse plans keep youths farming for a better future" <http://ow.ly/AG2sR>

Shamba Shape Up "These are some of the impacts an agriculture TV show can have" blog included in CCAFS EA Newsletter on ISSUU <http://ow.ly/CuYcD>

Cross-post of Scenarios-blog on UNEP-WCMC site: Putting policies to the test: scenarios on food security, environments and adaptation in the Great Lakes region" by Joost Vervoort and Elisabeth van de Grift. <http://www.unep-wcmc.org/news/putting-policies-to-the-test--scenarios-on-food-security--environments-and-adaptation-in-the-great-lakes-region> Uploaded: 6 October 2014.

Cross-post: "Andean countries join forces to strengthen policies in the face of future scenarios" blog by Joost Vervoort and Elisabeth van de Grift on Oxford Future of Food site. <http://www.futureoffood.ox.ac.uk/blog/andean-countries-join-forces-strengthen-policies-face-future-scenarios> Uploaded 5 January 2015.

4. Case studies.

Case Study #1

Title: Researching the effectiveness of scenarios as a tool for policy guidance

Author: Theme 4.1

Type: Policy engagement; Breakthrough science;

Project Description:

Combined socio-economic/climate scenarios have been developed for EA, WA, SA, SEA, the Andes and Central America. Scenarios development included stakeholders in agriculture, food security, climate change and environments. Scenarios were then quantified through agricultural/economic models (GLOBIOM/IMPACT). Global partners included FAO and UNEP WCMC.

Linking scenarios to decision-making has best practice assumptions. Since 2014, the scenarios program was transformed into a research project on their effectiveness for policy development. We are using a prospective, longitudinal, facilitated case study approach to scenario-guided national policy development process in each of the CCAFS regions (2 in LAM). Our research question, 'How can multi-stakeholder-generated, qualitative/quantitative scenarios be used to improve decision-making for better future food security, rural livelihoods and environments under conditions of climatic and socio-economic change?', involves 3 hypotheses:

1. Balance should be struck between inclusiveness and specificity - organize constellations of a few key actors across sectors and levels, focusing on specific policies, institutional arrangements or investments.
2. Scenarios methodology has to be internalized by users to ensure long-term impacts.
3. Use of scenarios for decision-guidance requires close collaboration with those in the position to prioritize, write and implement policies, and engagement with decision-makers when policy directions are determined or improved policies are reviewed.

Together with regional CCAFS teams and partners, we developed case-specific indicators and combined these into indicators for all case studies:

1. Determine the significance of the policy for the CCAFS scope in that country
2. Document detailed steps taken toward policy outcomes
3. Document what changes were made in the policy or plan
4. Reflect on learning and capacity needs among policy makers

Detailed records contain information that, while it requires more space or is too sensitive to be discussed in individual cases, can be generalized into insights and lessons.

Introduction / objectives:

The CCAFS scenarios program, which has resulted in the development of regional, stakeholder-driven and quantified socio-economic and climate scenarios for all CCAFS regions, has been transformed

into a research project designed to study the effectiveness of scenarios for use in policy development.

The research objective is to study scenario-guided policy development in six case studies to understand not just if, but how, scenarios can be useful for policy development in the context of climate change, agriculture and food security. This is a longitudinal research project, started in 2014 but continuing into 2015 and 2016.

Project Results:

1. Policy significance

- Honduras (CCRM)/Peru (PLANGRACC)/Cambodia (CCPAP) - major agricultural CC policies
- Bangladesh - 7th 5-year plan, a central strategic plan for all government sectors
- Ghana/Uganda – Connections between policies, sectors, levels
- 3 were final or being finalized in 2014 (Cambodia, Honduras, Bangladesh)

2. Outcome steps documented

Honduras/Peru/Cambodia/Bangladesh: intensive scientist/next-user process facilitation (communication/collaboration), minimum of 1 scenario-guided policy development workshop, detailed follow-up plans .

- Focusing on specific policies yielded faster results than addressing sectoral and hierarchical gaps – overcoming gaps challenges normative institutional mechanisms (confirming hypothesis 1).
- Establishing research/next-user trust ensured draft policy was selected, timing was right, decision-makers were open to policy critical review/changes, scenarios process results were used until finalization. In 3 examples, this was successful; Peru was slower due to government changes. We developed detailed policy drafts; higher-level networking proved crucial (confirming hypothesis 2).
- Scenario processes had to be flexible enough to allow for considerable re-interpretation for national policy; but credible, quantitative, to be perceived as useful.
- Close relationships were interrupted by government turnover/structural change and outside consultants. Close ties between CCAFS/partners/governments allowed rapid development of new relationships and retroactively introducing new actors to processes.
- It is critical to report scenario-guided policy processes clearly reflecting which scenario resulted in which policy recommendations or evaluations, informing process outsiders.

3. Policy content

Scenarios process influence: changing policy scope – adding dimensions like longer-term CC; highlighting systemic interventions like CSA or monitoring land-use/tenure; increasing feasibility by investigating local-uptake or diversifying funding/partnerships.

4. Institutional learning

Participants found scenarios-processes to be novel/useful. "I consider it valuable validating these type of plans through possible future scenarios. It allows a type of analysis that cannot be achieved through other methodologies" (Marlon Duron, DICSAG). Successful stakeholder-driven/policy-processes and requests for internal government scenario capacity-building confirms hypothesis-3.

Partners:

- Cambodia - MAFF main partner, daily work with SEA regional scenarios coordinator to prepare drafts of the CCPAP, with priorities identified with SEA scenarios and incorporating CSA and scenario principles. Collaboration with MAFF was established through the original SEA scenarios workshop, with FAO and UNEP WCMC as partners.
- Bangladesh - Key non-state partner ICCCAD, who engaged in a policy guidance process with Bangladesh Planning Commission. Scenarios were seen as useful in the process. SA regional scenarios coordinator had a connection to ICCCAD. Frequent links between CCAFS, ICCCAD and the Planning Commission throughout the process (ongoing).
- Honduras - relationship between SAG/CCAFS provided basis for University for International Cooperation (UCI) to take the policy process forward. SAG was open to deep collaboration and extensive work on its plan. Key was continued CCAFS/UCI/SAG collaboration while government membership changed.
- Peru - Collaboration between government/FAO/CCAFS was proposed after Andes scenarios workshop. Opportunity seen in UNEP WCMC-sponsored scenario-guided policy process organized in Peru; but timing for government-partners on PLANGRACC was not right. The regional focus has led to quick parallel success with Colombia's agricultural adaptation plan.
- Ghana - CCAFS SIA team worked closely with stakeholders at community/district/regional/national levels, establishing trust. Multi-level workshop did not focus on a specific policy process but on a number of policy gaps - integrating into policy has been slower. Ghana national policy platform has been key partner: identifying an opportunity in development of the NAP in 2015.
- Uganda - Gaps between agricultural and environmental policies were identified, in collaboration with UNEP WCMC and ARCOS. Plans to take recommendations forward were developed by ministries for agriculture and environment partners, but because these are additional to existing policies, their implementation has been slower. Collaboration with CCAFS PACCA policy program focuses on irrigation policy in Uganda in 2015.

Links / sources for further information:

Deliverable Type Use metrics

Vervoort, J. M., P. K. Thornton, P. Kristjanson, W. Förch, P. J. Ericksen, K. Kok, J. S. I. Ingram, M. Herrero, A. Palazzo, A. E. S. Helfgott, A. Wilkinson, P. Havlík, D. Mason-D'Croz, and C. Jost. 2014. Challenges to scenario-guided adaptive action on food security under climate change. *Global Environmental Change*. <http://www.sciencedirect.com/science/article/pii/S0959378014000387>

Journal article 4 citations; 4500 downloads

Herrero, M., P. K. Thornton, A. Bernués, I. Baltenweck, J. Vervoort, J. van de Steeg, S. Makokha, M. T. van Wijk, S. Karanja, M. C. Rufino, and S. J. Staal. 2014. Exploring future changes in smallholder farming systems by linking socio-economic scenarios with regional and household models. *Global Environmental Change* 24 : 165 - 182 . : <http://www.sciencedirect.com/science/article/pii/S0959378013002380>

Journal article 2 citations; 1500 downloads

Chaudhury, M., J. Vervoort, P. Kristjanson, P. Ericksen, and A. Ainslie. 2013. Participatory scenarios

as a tool to link science and policy on food security under climate change in East Africa. *Regional Environmental Change* 13:389-398. : <http://link.springer.com/article/10.1007%2Fs10113-012-0350-1#page-1>

Journal article 9 citations

Vermeulen, S. J., A. J. Challinor, P. K. Thornton, B. M. Campbell, N. Eriyagama, J. M. Vervoort, J. Kinyangi, A. Jarvis, P. Läderach, J. Ramirez-Villegas, K. J. Nicklin, E. Hawkins, and D. R. Smith. 2013. Addressing uncertainty in adaptation planning for agriculture. *Proceedings of the National Academy of Sciences of the United States of America* 110:8357-8362: <http://www.pnas.org/content/110/21/8357.abstract>

Journal article 17 citations; 5500 views

Intelligent ideas: scenarios to manage water as climate changes in Guatemala” by Moushumi Chaudhury (WRI)

<http://ccafs.cgiar.org/blog/intelligent-ideas-scenarios-manage-water-climate-changes-guatemala#.VNuYMfnF-So>

Blog 200 views

“Helping Honduras build a more robust climate adaptation strategy for the agriculture sector” by Cecilia Schubert

<http://ccafs.cgiar.org/blog/helping-honduras-build-more-robust-climate-adaptation-strategy-agriculture-sector#.VNuawfnF-So>

Blog 160 views (late December)

“Andean countries join forces to strengthen policies in the face of future scenarios” by Joost Vervoort and Elisabeth van de Grift

<http://ccafs.cgiar.org/blog/future-scenario-development-now-part-cambodias-action-plan-agriculture>

Blog (released at end of year)

“Future scenario development now part of Cambodia’s Action Plan for Agriculture” by Joost Vervoort and Rathana Peou

<http://ccafs.cgiar.org/blog/future-scenario-development-now-part-cambodias-action-plan-agriculture>

Blog 360 views.

“What does the future hold for Bangladesh? Modeling scenarios for better climate policies” by Cecilia Schubert:

http://ccafs.cgiar.org/blog/what-does-future-hold-bangladesh-modeling-scenarios-better-climate-policies#.VNuYZ_nF-So

Blog 273 views.

Blogs: “Putting policies to the test: scenarios on food security, environments and adaptation” by Elisabeth van de Grift & Joost Vervoort: <http://ccafs.cgiar.org/blog/putting-policies-test-scenarios-food-security-environments-and-adaptation>

Blog 235 views.

“A step in the right direction: helping decision-makers ensure a food secure future” by Joost Vervoort and Cecilia Schubert: <http://ccafs.cgiar.org/blog/step-right-direction-helping-decision-makers-ensure-food-secure-future#.VNuYkfnF-So>

Blog 260 views.

“Zooming in, zooming out: exploring Kenya’s futures from farm to regional level” by Joost Vervoort 230

views. <http://ccafs.cgiar.org/blog/zooming-zooming-out-exploring-kenyas-agricultural-futures-farm-regional-level#.VNuyOPnF-So>

Blog 230 views.

5 blog articles published in UCI website and social media. Blog reposts 1962 views.

Presentation to 34 decisionmakers of ministries of agriculture and planning of 7 countries in Latin America of scenario program in CCAFS LAM COP20 side event "Tools and Methods for Planning and Decisionmaking in Climate Change and Agriculture. Presentation 34 decision makers from 7 Andean countries at COP

2 UCI Webinars for PMI's Global Sustainability Community Practice: Webinar 531 participants

"Scenarios on food security, environments and adaptation in the Great Lakes region, Uganda" video by Elisabeth van de Grift : <https://www.youtube.com/watch?v=VgGIUFz3oFY&list=PLmATng7IKk6Uv5oVJfgDsGWylO6CDCmSV>

Video 135 views

"Andean countries join forces to strengthen policies in the face of future scenarios" video by Elisabeth van de Grift and Jose Luis Urrea : <https://www.youtube.com/watch?v=EQkIWRa9zkM&index=2&list=PLmATng7IKk6Uv5oVJfgDsGWylO6CDCmSV>

Video 51 views, finished late dec 2014

"Explorando escenarios socioeconómicos bajo el cambio climático en Centroamérica" By Elisabeth van de Grift

<https://www.youtube.com/watch?v=cXPGlc1lrww> Video 230 views.

"Explorando escenarios socioeconómicos bajo el cambio climático en los países Andinos" by Elisabeth van de Grift and Jose Luis Urrea <https://www.youtube.com/watch?v=JyzKY2dbR4I>

Video 275 views

Photos Peru workshop (<https://www.flickr.com/photos/cgiarcclimate/sets/72157649064402567/>)

Photos album views: 66, individual photos: between 131 and 195 views.

Photos Cambodia workshop (<https://www.flickr.com/photos/cgiarcclimate/sets/72157648838367257/>)

Photos album views: 130, individual photos: between 126 and 262 views.

Photos Uganda workshop (<https://www.flickr.com/photos/cgiarcclimate/sets/72157645914926893/>)

Photos album views: 195, individual photos: between 216 and 556.

Photos Ghana (SIA) workshop (<https://www.flickr.com/photos/cgiarcclimate/sets/72157644448992491/>)

Photos album views: 124, individual photos between 172 and 302.

Semi-plenary: Resilience in the Anthropocene at Earth System Governance, Norwich, 1-3 July 2014, led by Joost Vervoort http://norwich2014.earthsystemgovernance.org/wp-content/uploads/2014/06/ESG-Conference-Programme_Final2_compressed_Jun20.pdf

Conference Semi-plenary session

Panel session "Challenges to scenario-guided governance of food systems under climate change" by Joost vervoort at ESG in Norwich, 1-3 July 2014 <http://norwich2014.earthsystemgovernance.org/wp-content/uploads/2014/06/NC14-panels-9.pdf>

Conference Panel session

Panel session Scenario-guided adaptive action on food security under climate change" at Resilience

2014, 4 to 8 July, Montpellier, by Joost Vervoort

<http://resilience2014.sciencesconf.org/25418>

Conference Panel session

W o r k s h o p d o c u m e n t a t i o n :

<https://www.dropbox.com/sh/7rec44zl686mk9f/AAAH3eFkxuPrWEgH5qetfglNa?dl=0>

Documentation N/A: external partners

T h e m e 4 : 4 . 1 . 4 M + E r e p o r t :

<https://www.dropbox.com/sh/0qfai2qjsnzbdg5/AACSF37Uz94dcRMkmCKjL7lia?dl=0>

Documentation Internal

Using scenarios for collaborative sense-making and action in food systems: opportunities for social entrepreneurs by Joost Vervoort http://www.sbs.ox.ac.uk/sites/default/files/Skoll_Centre/Docs/essay-vervoort.pdf

Essay N/A: external partners

A sign of things to come? Examining four major climate-related disasters, 2010-2013, and their impacts on food security. A preliminary study for Oxfam's GROW Campaign by Christopher Coghlan, Maliha Muzammil, John Ingram, Joost Vervoort, Friederike Otti and Rachel James http://www.oxfam.org/sites/www.oxfam.org/files/file_attachments/rr-eci-a-sign-of-things-to-come-190914-en.pdf

Oxfam study N/A: external partners

Theme 4.1.4 ML+E report:

Type Level Indicator Metrics LA SEA SA WA EA Global Total

Process Milestone to MOG (i) increasing demand for scenarios process (regions, globally), (ii) Increasing use of scenarios outputs or methodology in CCAFS regions (i) Number and description of requests from national, regional and global stakeholders for scenarios process support, (ii) number and qualitative description of any processes (a process = a series of meetings, workshops, desk study analyses organized by an actor or constellation of actors) where CCAFS scenarios outputs or methodology are used. Requests: 1) ACICAFOC: 2 local scenario workshops in El Salvador and 2 in Honduras with leaders of small producers to guide strategic planning. Also request for collaboration with Universities to teach scenario methodology to field workers that will work with farmers. Confirmed for february 2015. 2) Ministry of Defence of Colombia (Armed Forces): Use scenario methodology to test and improve regional development plan for the Chocó province 3) FAO South America: Request to use scenario methodology to guide development of Perú Climate Change and Risk Management plan for the fishery sector (PLAN GRACC-P) together with Ministry of Agriculture and Ministry of Environment (planned for 2015) 4) National Planning Commission of Colombia: Interest to incorporate in their analysis of economic impacts of climate change, the analysis of other factors of change, using methodologies as developed by CCAFS of socio-economic scenarios. 5) Ministry of Agriculture and Livestock (MAGA) of Guatemala: Use scenario methodology to test and improve national climate change policy (yet to define). MAGA will be the pro tempore president of the Central American Comisión of Agriculture (CAC). They are therefore also interested in using the methodology to define the guideline for a Central American Climate Change Adaptation Strategy for Agriculture 6) This

request for a scenarios exercise also came from the Executive Secretary of the CAC 7) Bolivia: Request from Ministry of Agriculture to give followup on scenarios exercise during regional Andes workshop which resulted (amongst others) in the recommendation to include climate change adaptation in the national agriculture development plan. Conducted: 1) Collaboration with World Resources Institute (WRI) and IICA in which 3 regional scenarios for Central America were downscaled to the Trifinio Region (crosspoint of Honduras, El Salvador and Guatemala) and compared to 3 WRI's Aqueduct Water Risk maps which are based on the same IPCC Shared Socioeconomic Pathways. 26 multilevel stakeholders of 3 countries developed 3 regional action plans for water risk management in the Trifinio that bridge current conflicts with future risks. WRI learned that their maps are useful when used together with model results on crop yields in each scenario. Participants understood the water maps well because they could combine them with commodities and therefore with other resulting socioeconomic factors. 2) Multistakeholder and multi level scenarios exercise initiated by the Secretariat of Agriculture and Livestock (SAG) of Honduras in which national level policymakers and local level trainers tested a draft of the "Strategy for risk management and climate change adaptation (2015-2019) for the sector of agriculture and livestock" and gave recommendations of improvement, of which most were adopted in the final version of the strategy. It will be socialised to government officials in the beginning of 2015. 3) Collaboration with UNEP-WCMC for a multiple scenario exercise in which 4 national agriculture and adaptation strategies (for Bolivia, Perú, Ecuador and Colombia) were analysed for effectiveness in 4 regional future socioeconomic scenarios of the Andes and the changes in biodiversity, ecosystem services and land use in each of them through regional maps. a) The recommendations of improvement for the action plan of the Colombian adaptation strategy for agriculture and livestock will be discussed with the National Planning Department in February 2015. b) Bolivia asked for technical support and advisory regarding the integration of climate change adaptation in their national agricultural development strategy (see above). This will be discussed in January 2015. c) Perú: a delegation of 15 government officials and experts gave recommendations of improvement for the National Climate Change and Risk Management Plan for the Agriculture sector (PLAN GRACC-A). Since the plan is already implemented they recommend to review and incorporate the recommendations when the half term evaluation of the plan. d) Ecuador: Participants identified main defects in the implementation of the existing plan and formulated recommendations for an action plan. 4) El Salvador: UNISDR used the scenarios methodology in a national workshop to validate and analyse their "Manual for Resilient Municipalities" together with mayors and other municipal leaders. Requests: In 2014, both government of Vietnam and Cambodia were keen to use the scenarios to test policies or investment plans. MAFF, early in February, expressed the need to develop and use scenarios to better adapt to changes related to CC in the agriculture sector. Conducted: In Cambodia, the MAFF used the scenarios and the expertise of the scenarios team to shape the Cambodia Climate Change Priorities Action Plan (CCCPAP) of 147 mIn USD, which has been finalized and now includes CSA and scenarios as key elements, and was shaped by SEA scenario insights. The MoC (Minister of Commerce) used the scenarios to look at rural development in Cambodia and draft the CBIRD phase 2. In Vietnam, the regional scenarios were downscaled to national scenarios with a focus to the Northern Vietnam and investments were tested and proposals were developed. Over 2014 CGIAR centers as IRRI and WorldFish requested presentations and sharing of the scenarios methodology. Key international institution as UNEP, the

Mekong River Commission, USAID, ASEAN, the Asia Foundation, ADB and the EU sought participation of the CCAFS scenarios team to major conference and review of current reports. 3 articles were published on the scenarios and the regional conference in national media. Requests: We have been requested by UNDP Bangladesh to support the National Adaptation Plan (NAP) which all country parties to the United Nations Framework Convention on Climate Change (UNFCCC) are now required to do. UNDP Bangladesh is now supporting the Ministry of Environment and Forests (MoEF) who will lead the NAP Team (which is now being formulated). There will be sector/issue specific sub committees (for eg. climate modelling/scenarios) and we hope to get involved in supporting them over the next year. We are already discussing a tentative three day workshop in February, where the first two days will be spent to discuss needs/processes and experts from the different sectors will be present along with the scenarios team from CCAFS. The plan for the third day is to get all the other stakeholders involved and share our outputs and discussions from the first two days. We are also in discussion with the Bangladesh Delta Plan Team to support their scenarios process which will start from Jan/Feb 2015. We are also aiming to collaborate with the ESPA Deltas Team who are also working on scenarios in Bangladesh. Conducted: The SA scenarios were downscaled and used with the General Economics Division of the Bangladesh Planning Commission to develop inputs on CCAFS topics for their 7th 5 year socio-economic development plan. The downscaled scenarios and systemic interventions/suggestions were presented at another major event on 'the understanding the global climate finance landscape and its relevance to national planning (7th five year plan)' held at the GED Planning Commission and supported by the International Institute of Environment and Development (IIED, UK) and the International Centre for Climate Change and Development (ICCCAD, Bangladesh). Stakeholders from various ministries, funding bodies and multilateral institutions were present. Requests: The Ghana national policy platform worked with the CCAFS SIA team and the CCAFS scenarios team on a scenario-guided policy workshop to analyse gaps between governance levels in CCAFS-relevant policies, with participants from national, regional, district and local levels. ECOWAS has asked for ECOWAS-wide scenario-guided policy work. The United Nations University and INRA in West Africa have awarded CCAFS scenarios with funding to further develop the West Africa scenarios for ECOWAS priority setting. The OECD is has been preparing a policy workshop in Cote D'Ivoire and has sought CCAFS scenarios and WA teams' support. The University of Michigan has won a NSF grant and has sought CCAFS scenarios methodology support. A cross-CRP effort in Burkina Faso has requested scenarios support for a policy process in the country (to be conducted in 2015). Conducted: A Ghana scenario-guided policy analysis workshop was conducted and the results are being used by the Ghana national policy platform (another workshop planned in 2015). Collaboration between UNU INRA and CCAFS has started in 2014 on a desk study for the ECOWAS scenarios. Collaboration on a desk study between the University of Michigan and CCAFS has started in 2014. Requests: UNEP WCMC has requested CCAFS support in the on-going scenario-guided policy work in Rwanda, Burundi and Uganda - providing funding for the CCAFS scenarios team and for a workshop and using the CCAFS East Africa scenarios. IITA requested support for a CCAFS FP4 project in Uganda and Tanzania - where the CCAFS EA scenarios are to be used and the CCAFS scenarios team facilitates the meeting using their signature scenario-guided policy methodology. The FP7 project TRANSMANGO has a Tanzania case study that seeks to draw on CCAFS scenarios methodology. Conducted: A major regional workshop with UNEP WCMC on Uganda, Rwanda and

Burundi was conducted in 2014, with policy recommendations being taken forward into 2015 by participants facilitated by the regional coordinator. Collaborations with IITA and TRANSMANGO started in 2014. Requested: Multi-regional or global-level scenarios support has been requested by a number of organizations. Oxfam GB has requested support with a global analysis of the link between climate extremes and governance, including future scenarios. IFAD has requested support to help design their scenarios program as a guide to their global strategic framework; FAO and UNEP WCMC have requested continued support to scenario-guided policy analysis in multiple regions; CARIAA has requested scenario methodology support for its consortia through an advisory group; the CIRAD/INRA AGRIMONDE global scenarios program has requested scenario development support; WRI has requested support for the use of CCAFS scenarios outputs and methodology. WWF has requested scenarios results and methodology support for their work with the ADB; the OECD has requested scenarios methodology support for their global scenarios program; the TRANSMANGO FP7 program is building on CCAFS scenarios methodology; the H2020 SUSFANS program has incorporated CCAFS scenarios methodology; the IPCC-related group of researchers (ICONICS) has requested methodological information from the CCAFS scenarios team. Conducted: FAO and UNEP WCMC programs have been supported in all regions, the Oxfam GB project has been finalized with a followup expected in 2015; AGRIMONDE support has been provided, TRANSMANGO collaborations have started, a session with the IPCC community has been attended; CARIAA methods support has been initiated; methodological support to IFAD and the OECD has been provided. Inputs to WWF's engagement with ADB have been provided. Total scenario processes, results and methodology requests from organizations and governments: 38 Total collaborative processes conducted with organizations and governments: 28

Process Outcome Increase engagement in forward planning for climate change adaptation and mitigation Number and types of partners engaged in forward planning for climate change adaptation and mitigation Participants from Government 65, NGO's 38, research centers including universities 27, private sector 19, civil society (indigenous groups) 2. See the workshop lists excel for detailed information on participants. Government representatives: 23; Researchers: 21; (I)ngo reps: 21; private sector reps: 2; intergovernmental body reps: 4. See participant lists doc for details. For the scenarios workshop in August we had 15 participants from the Planning Commission, 3 participants from the Ministry of Environment and Forests, 4 participants from the Bangladesh Delta Plan Group, 1 Sustainability Advisor from UNDP, 2 participants from ICCCAD, 1 participant from the Netherlands Embassy Dhaka. For the learning hub event at the Planning Commission where I presented our work on the Bangladesh scenarios and systemic interventions/suggestions, very high level participants from the various government sectors were present. There were 23 participants from the Planning Commission, 4 from MoEF, 4 from DoE, 3 participants from the Finance Division, 1 from UNDP, 1 from Bangladesh Bank, 1 participant from the Bangladesh Climate Change Trust Fund Board and 2 participants from the Agriculture, Rural Development and Research Sector. Government reps: 18; Researchers: 3; (I)ngo reps: 13; private sector reps: 1; intergovernmental body reps: 2. Participants in UNEP WCMC/CCAFS workshop: 8 government reps; 3 reps of regional intergovernmental bodies; 8 CSO/NGO reps; 3 academia; 1 private sector N/A Total number of representatives from (inter-)governmental bodies: 149; Total number of CSO/(i)NGO representatives: 82; Total number of researchers: 57; Total number of private sector representatives: 23.

Process MOG to outcome Increasing capacity for scenarios champions to generate successful policy results Number of champion success stories Number of champion success stories: 1 and 2: Ivette Velasquez and Marlon Durón, government officials of SAG, Honduras are co-developers of the Honduran strategy and participated in the workshop in which it was tested through 4 regional scenarios adapted to Honduras. They incorporated almost all recommendations in the strategy and took measures to have them approved by the National Climate Change Committee. 3: Danilo Saravia, consultant and part of the UCU scenarios team, in an independent initiative used and adapted the scenarios methodology to validate, test and improve a "Manual for Resilient Municipalities" in a workshop contracted by United Nations UNISDR El Salvador. 4: Fernando Prado introduced the CCAFS scenario methodology to the research institute Foro Nacional Internacional (Perú) which has now incorporated it in its methods. They have also incorporated the regional Andes scenarios in their scenario work for Peru. Fernando also participated in the testing and improving of PLAN GRACC-A in the regional Andes workshop. 5: Nestor Hernandez, consultant for the Ministry of Agriculture in Colombia lead the development of the National Adaptation strategy for agriculture and livestock. Although it was a challenge for him to receive comments on the strategy, he mentions that "our strategy is now strengthened and more complete with views and positions that we had not yet taken into account". It is worthwhile to mention that 3 out of 6 of these champions did not actually participate of the development of the regional scenarios but were nevertheless very much committed to work with them. Honorable Ty Sokhun has been together with David Van (champion in Rice private sector) the two main champion for Cambodia promoting the scenarios in the CCCPAP and in private sector rice platforms. In Vietnam the MARD requested further support on developing investment proposal tested with the scenarios. Sheikh Moinul Islam Moin, Assistant Chief & climate Change Focal Point, GED and Dr. Shamsul Alam, Member, GED, Planning Commission have been keen scenarios champions. We are now integrating our systemic interventions/suggestions into the background paper on 'climate change and disaster management' which will act as the sectoral input into the 7th Five Year Plan for Bangladesh. The Ghana National Policy Platform has moved the recommendations from the SIA/Scenarios workshop forward independently, with the support of Naaminong Karbo. Alain Sy Traore, director of Agriculture and Rural Development for ECOWAS, has been communicating with CCAFS WA and CCAFS scenarios on the role of CCAFS and the scenarios in ECOWAS. From the UNEP WCMC workshop in Uganda, national teams (as well as a regional team), rather than individual champions, were identified to move the policy recommendations forward over 2014 and 2015. Key contacts in all organizations with an interest in/appreciation of the CCAFS scenarios approach have been responsible for moving collaborations forward. 16 champion success stories (including 3 teams, each counted as a champion, in Uganda)

Process Deliverable Increasing public interest in the CCAFS scenarios program Number of views, forwards and tweets of scenarios blog 1) UCI gave 2 Webinars for PMI's Global Sustainability Community Practice: 531 participants in total 2) Presentation to 34 decisionmakers of ministries of agriculture and planning of 7 countries in Latin America of scenario program in CCAFS LAM COP20 side event "Tools and Methods for Planning and Decisionmaking in Climate Change and Agriculture. 2) 5 blog articles published in UCI website and social media viewed by 1962 people. On CCAFS Website: "Intelligent ideas: scenarios to manage water as climate changes in Guatemala" by Moushumi Chaudhury: 200 views

“Helping Honduras build a more robust climate adaptation strategy for the agriculture sector” by Cecilia Schubert: 160 views (late December)

“Andean countries join forces to strengthen policies in the face of future scenarios” by Joost Vervoort and Elisabeth van de Grift (released at end of year) The national english read Newspaper Phnom Penh which is read by over 20 000 people in Cambodia did make a story about the CC scenarios in Cambodia and the coordinator. The Seminar held by the Minister of Commerce on the Future of Food security in Cambodia in the next 25 years was attended by over 1000 students the event pictures on facebook liked by over 500 people and shared more than 50 times. Blogs: the blog “Future scenario development now part of Cambodia’s Action Plan for Agriculture” by Joost Vervoort and Rathana Peou received 360 views. Blogs: “What does the future hold for Bangladesh? Modeling scenarios for better climate policies” by Cecilia Schubert : 273 views. Communications were led by the CCAFS SIA team who worked on a blog; a video was created by Elisabeth van de Grift Blogs: “Putting policies to the test: scenarios on food security, environments and adaptation” by Elisabeth van de Grift & Joost Vervoort with accompanying photos and video: 235 views. Blogs: “A step in the right direction: helping decision-makers ensure a food secure future” by Joost Vervoort and Cecilia Schubert :260 views. “Zooming in, zooming out: exploring Kenya’s futures from farm to regional level” by Joost Vervoort: 230 views. “Can social learning change the way we do research for development?” CCSL blog by Cecilia Schubert, Chris Jost, Wiebke Foerch and Joost Vervoort for CGIAR Development Dialogue Days. 7 blogs and various versions reposted by partners + videos + photo galleries: total views as far as known: 5796

Impact MOG to outcome Proportion of CCAFS Scenarios Program budget met by partner organizations Funds provided for scenarios process by partner organizations 1) Workshop WRI on scenario guided policy making for future waterrisk management in the Trifinio region US\$17,711) Workshop SAG Honduras (contributions in kind) Workshop meeting room, transport for participants, 1 week of preparation time and 2 weeks of time of 2 SAG oficials to adapt and approve new strategy. 3) UNEP/WCMC contributed US\$37.508 for the Andes scenarios workshop in Lima. Participations to regional conference (airfare and accomodations) were covered by partners as UNEP, FAO, Asia Foundation, IRRI, MRC, USAID, Switch Asia, Minister of Commerce, Australian Embassy for 9 events outside Cambodia for a summ of around 15 K (USD). UNEP WCMC contributed 50K USD; FAO 30K USD. The General Economics Division provided a three day meeting space in their offices; ICCCAD provided local support. Estimated around 5K USD. UNU INRA provided 15K USD over 2014 and 2015 for a collaborative desk study. UNEP WCMC funded a workshop of 50K in Uganda and provided process funds (see global). IITA provided 30K funds for process design, and for workshops over 2014 and 2015. UNEP WCMC provided 70K USD over 2013 and 2014 for the CCAFS scenarios team to provide process support; FAO provided 220K USD over 2013 and 2014 for process support, apart from workshops; Oxfam GB provided 30K GBP for the global climate extremes project. 226K USD was provided by various funders (including some minor estimates for venues etc.)

Impact Activity to milestone Increasing number and diversity of partners engaged in the CCAFS Scenarios program Number and type of partner organizations that are participating in the scenarios process by region ACICAFOC, El Salvador agriculture ministry; Colombia ministries of agriculture, defense, environment, national planning commission ; FAO SA, CA, Peru ministries of ag, environment; MAGA Guatemala; Central American Comison of Agriculture; Bolivia ministry of

agriculture and mother earth ministry; WRI, IICA, Honduras Secretariat for Agriculture and Livestock; UNEP WCMC; UNISDR; Ecuador ministries of environment and agriculture In 2014 the numbers of partners have increased and diversified reaching as well universities, the private sectors and FDIs sectors. Not only research partners on CC or Agriculture but as well from the food systems including farmers association, distribution etc... CCAFS SEA scenarios and methods were presented in major events in the region in front of regional, national experts, policy makers, investors, farmers and students. Some of the events reach above a thousand of persons as an audience as the seminar on the Future of Food organised with the Minister of Commerce. In another level, the CCAFS scenarios coordinator were invited to share the outcomes of the scenarios works by providing recommendations to key policies or review to major regional projects/ researches as the Vulnerability maps of USAID or at the 3rd regional forum of the Mekong River Commission. At the end of December the CCAFS SEA regional coordinator participated as a delegate to the 3rd Dialogue on Mekong and Ganga in Delhi and shared the scenarios tools with delegates of 11 different countries. Partners: Cambodia Ministry of Agriculture, Forestry and Fisheries; Cambodia Ministry of Commerce; Mekong River Commission; Vietnam MARD; Lao PDR Ministry of Agriculture, IUCN, WWF, ADB, ASEAN Major partners till now have been the General Economics Division (GED), Planning Commission, Ministry of Planning, Bangladesh and the International Centre for Climate Change and Development (ICCCAD) Bangladesh. ECOWAS, UNU, INRA, Ghana National Policy Platform, CSIR COMESA, ARCA, Uganda agriculture and environment ministries; Rwanda agriculture and environment ministries; Burundi agriculture and environment ministries WRI, CARIAS, Oxfam GB, FAO, UNEP WCMC, IFAD, OECD, WWF 48 key partners across all regions

Impact Outcome Increasing number of agriculture and food security policies, plans and investments that address climate change adaptation and/or mitigation Number of policies, plans, investments under scenario-guided review; description of relative significance of policies in policy context 1) Honduras: "Strategy for risk management and climate change adaptation (2015-2019) for the sector of agriculture and livestock" Relevance: This is Honduras's first adaptation strategy for agriculture and livestock. A state of art investigation initiated by CCAFS in 2013 highlighted the necessity of a strategy of such nature. 2) Colombia: action plan of the Colombian Adaptation strategy for agriculture and livestock 3) Bolivia: National Agriculture Development Plan 2006-2018 4) Perú: National Climate Change and Risk Management Plan for the Agriculture sector (PLAN GRACC-A) This plan is already in force but government officials and FAO find it does not have enough institutional backup to be implemented. The scenarios exercise would help bring it forward again. For FAO it is of great interest to improve the strategy since they financed the development of the plan. 5) Ecuador: National Climate Change Adaptation Plan (ENCC 2012-2025) 6) UNISDR El Salvador: "Manual for Resilient Municipalities" Cambodia Climate Change Priorities Action Plan of 147 mln USD has been finalized with significant inputs from the scenarios team and including 8 mln USD targeted at scenarios capacity building (2014-2018). The LAO PDR socio-economic development plan which is currently being drafted; The Vietnam agricultural development plan which has been finalized but for which yearly implementation plans are designed and which were proposed to benefit from key insights from scenarios. (i). Seventh Five Year Plan (2016 - 2021) for Bangladesh which is the main instrument for the implementation of Vision 2021 and the Perspective Plan 2010-2021, (ii). National Adaptation Plan for Bangladesh as climate change adaptation (CCA) has been taken

seriously in Bangladesh, to engage its institutions and concerned citizens to plan for all future adaptation activities a holistic plan involving all the sectors , (iii). Bangladesh Delta Plan (BDP) 2100 will create a clear vision or grand design of the future in 2100, based on that vision it will be possible to define short term 'no-regret' measures and actions leading from the present day situation to the desired future. Ghana National Adaptation Plan will incorporate policy recommendations from Ghana SIA/scenarios process. Plans proposed by participants in their policy proposals (more work needed in 2015): Uganda National Development Plan (main economic plan), Uganda National Environmental Management Plan (main environmental plan), Development Strategy and Implementation Plan (main development plan). Rwanda: Land Use Master Plan. EAC level: EAC NARS support - see long list of candidate policies identified by EAC participants in UNEP WCMC report. Collaborations with global partners have largely resulted in changes in regional policies so far - changes in larger organizational policies through scenarios are expected in 2015. One exception is the UNEP global strategic framework which now features scenario analysis due to the participation of UNEP WCMC who included this component based on their experience in working with CCAFS scenarios. 16 policies across all regions

Case Study #2

Title: CCAFS Network of Gender and Climate Change Scientists

Author: Theme 4.1

Type: Social differentiation and gender; Successful communications; Capacity enhancement;

Project Description:

The CCAFS gender Network did not begin with a research question, but was an activity supporting the K2A Impact Pathway on Gender and Social Differentiation - specifically the milestone on building the capacity of regional partners for CC appropriate gender research and development in agricultural systems and communities. The network is a means of scaling out gender and social differentiation understanding and awareness, including gender/social differentiation outputs, tools, and research across the 5 CCAFS regions and others in the NGO, NARS and scientific community.

K2A had a two-pronged approach to build the gender network- first by supporting regional coordination workshops and event and secondly by building online sharing platforms. Activities in regional coordination events included:

- CCAFS Gender Training and Strategizing Workshop held in Nairobi at ICRAF HQ in October 2013.
- CCAFS WA gender training in Senegal (August 2014) for WA PAR teams.
- CCAFS SEA gender/PAR training in Vietnam for CSV sites December 2014.
- CCAFS LAM partnering with CATIE held capacity building workshop on gender/PAR in Nicaragua, November 2014
- CCAFS Googlegroup, established in 2014
- CGIAR Gender Network Website
- A resource site hosting the K2A Gender & Social Inclusion Toolbox launched in October, 2014
- CCAFS LinkedIn group, created in March, 2014 as a means of continuing momentum of the Nairobi Gender Strategy Workshop (2013)

The network made strides in mobilizing gender strategy in WA and SEA as well as building capacity in LAM. Online efforts have had mixed results, the LinkedIn group being the most successful, but also suggest potential channels for increasing strategic communication and mobilization of partners.

Introduction / objectives:

K2A developed the Network of Gender and Climate Change Scientists to strengthen coordination and support scaling out of gender/social differentiation research throughout the 5 CCAFS regions, local NGOs, NARS and government partners engaged in gender and climate change work. Several steps towards improving strategic communication, online platforms for sharing, as well as regional coordination workshops and events were held during Network activity in 2014.

Project Results:

K2A assumed both ICT and live-events would bolster strategic communication/networking. Regional coordination events were fruitful for scaling-out gender-research/planning. Gender Training and Strategy Workshop held in 2013 in Nairobi generated regional gender teams and impact pathways,

laying foundation for 2014 network activities. Face-to-face events were held in 2014:

- CCAFS WA held a gender training with its country PAR teams in August 2014. The training produced a call for proposals based on CCAFS gender research questions, to be funded by WA in 2015.
- CCAFS LAM engaged NGO, NARS partners in a gender/PAR training using CCAFS Toolbox approaches.
- CCAFS SEA also held a partner training in gender/PAR. A component of the training included producing country specific CSV gender mainstreaming action plans, designed by implementation partners themselves.

In terms of ICT network building, the CCAFS LinkedIn launched March 2014 has 313 members. The group has generated 40 comments to 136 entries, 18 of which have been initiated by non-CCAFS members. Group members include leading gender-professionals from CARE, WOCAN, Farming First, FAO, UNA, Save the Children, USAID, UNDP, UNEP and ActionAid. Mostly CCAFS outputs have been circulated via the network, but efforts to promote partner and gender-linked NGO work have been undertaken. CCAFS Gender Researchers Googlegroup and CGIAR Gender Network Website has not been as successful. The Googlegroup became inactive after an initial month of activity. The CGIAR Gender website, whose maintenance is mostly by the CG Gender Coordination team, was not promoted or updated regularly. The gender toolbox site was launched in October 2014. K2A had hopes to develop the site into an interactive feedback and resource for gender research, but capacity and human resources within CCAFS for maintaining it remain in question – ICRAF had volunteered to host the site in 2015, but CCAFS has not yet accepted turnover.

Partners:

- CCAFS WA – Participants in regional strategizing meetings and initiated workshops and call for proposals based on gender network participation.
- CCAFS SEA - Participants in regional strategizing meetings and initiated gender/par workshop and CSV action planning.
- CATIE (CCAFS LAM) - Main partner/host for trainings.
- CGIAR Gender Network – ICT sub-site hosts

Links / sources for further information:

Output Use Metrics

Publications

CCAFS. CCAFS Gender Impact Pathway for Latin America. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS), 13 Mar. 2014. Web. 10 Feb. 2015. http://ccafs.cgiar.org/publications/ccafs-gender-impact-pathway-latin-america#.VNqbEtXF_ME 238 views

CCAFS. CCAFS Gender Impact Pathway for West Africa. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS), 13 Mar. 2014. Web. 10 Feb. 2015. <http://hdl.handle.net/10568/35088>

317 views

CCAFS. CCAFS Gender Impact Pathway for Southeast Asia. CGIAR Research Program on Climate

Change, Agriculture and Food Security (CAAFS), 13 Mar. 2014. Web. 10 Feb. 2015.
http://ccafs.cgiar.org/publications/ccafs-gender-impact-pathway-southeast-asia#.VNqbGNXF_ME
 202 views

CAAFS. CCAFS Gender Impact Pathway for East Africa. CGIAR Research Program on Climate Change, Agriculture and Food Security (CAAFS), 13 Mar. 2014. Web. 10 Feb. 2015.
http://ccafs.cgiar.org/publications/ccafs-gender-impact-pathway-east-africa#.VNqbGtXF_ME
 467 views

CAAFS. CCAFS Gender Impact Pathway for South Asia. CGIAR Research Program on Climate Change, Agriculture and Food Security (CAAFS), 13 Mar. 2014. Web. 10 Feb. 2015.
http://ccafs.cgiar.org/publications/ccafs-gender-impact-pathway-south-asia#.VNqbJNXF_ME
 246 views

Websites

CGIAR Gender Network: <https://sites.google.com/a/cgxchange.org/gender-ag-research-network/ccafs-gender-and-climate-change>

Closed CG site

LinkedIn group: <https://www.linkedin.com/groups?home=&gid=6657402>

315 members, 136 posts

CAAFS/ICRAF/CARE Gender and Inclusion Toolbox website
 (<http://www.worldagroforestrycentre.org/gendertoolbox/>)

Currently offline to public but available at <http://intranet.worldagroforestry.org/ccafs/index.php>

2013 CCAFS Gender Training and Strategy Workshop Website:
<http://gsl.worldagroforestry.org:8076/conference/>

n/a

Case Study #3

Title: Addressing CCAFS's key research questions on gender and climate change

Author: Theme 4.1

Type: Social differentiation and gender; Capacity enhancement; Breakthrough science;

Project Description:

A quantitative intra-household survey addressing CCAFS gender research questions was developed by gender experts at ICRAF, ILRI, CIAT and IFPRI, linked to ILRI's IMPACTlite farm characterization tool. IFPRI researchers led the testing, training and implementation while data analysis has been supported by PIM (Policies, Institutions, Markets CRP). The survey and training materials are available on the CCAFS Dataverse site (242 downloads). The survey, originally implemented in the Uganda, Kenya, Senegal and Bangladesh CCAFS sites, have since been integrated into several projects:

- CIAT-led IFAD project leveraged original survey data to scale out CSA practices via partners in Uganda and Tanzania.
- CIAT revised and translated survey in Spanish and has implemented it in Colombia (2014) and planned for Guatemala (2015).
- Revised survey is being implemented in northern Uganda (2014) and the Southern Agricultural Growth Corridor of Tanzania (SAGCOT) (2015). This data will be co-analyzed with land health surveys.
- Survey data presented at Resilience and Development: Mobilizing for Transformation conference (Montpellier 2014) in forthcoming CIAT-ILRI-CCAFS publication.
- Workshop presenting survey data held at ICRAF Kenya with 73 key stakeholders in attendance.
- Survey results featured at Kenya National CC & Agriculture workshop (October 2014) with technical brief in preparation.

In addition to journal articles, results from the survey as well as sister projects are being made available using a variety of innovative communication mechanisms to increase next-user access and benefit. Meanwhile, a survey of CCAFS Centre contact points and gender experts was implemented to determine, 3 years after the publication of the CCAFS gender strategy, what progress has been made in closing the gap on the 5 key gender and CC questions.

Introduction / objectives:

How best do we target CSA practices and knowledge to women? The CCAFS gender strategy identifies 5 key research questions related to gender and CC, aimed at understanding how men and women may be (differentially) affected by climate variability and shocks; what adaptation options, strategies, and approaches (individual, household, or collective) are available to and preferred by men and women; and how differing perceptions of climate change, climate risk, and personal values shape adaptation decisions.

Project Results:

Policy workshop in Kenya, CCAFS Working Paper No. 79 highlight:

- Women less aware of CSA practices than men, but if they know about the practice, women not less

likely to adopt. This contradicts findings from other research - financial, labor other constraints result in lower CSA uptake by women. Women's access to credit positively associated with adopting CSA practices.

- Training one spouse (usually husband) does not mean other spouse also learns about options/opportunities. Needs can be quite different for spouses, for women usually integrally related to whether household is food/nutritionally secure. Since most information dissemination mechanisms don't target both household heads, this finding might provides key insights on why other research has found women's CSA adoption rates are lower – previous research may have assumed exposing one meant exposing both household heads.
- Limited access to weather forecasts hampers adoption of CSA.
- Channels of information favored in AR4D—extension services, farmer organizations, and agri-service providers – don't show strong positive effect on CSA awareness.

Findings suggest great need to reach out to, and better target CSA-related information to women in particular, as well as young people as well as other marginalized community members, highlights the importance of addressing issues of collective action and suggests interventions are needed to strengthen and develop these social bonds.

Survey of CGIAR centre focal points and gender contacts showed:

- 90% agree that their centre's provided insights into gender implications on levels of vulnerability to climate change stresses.
- Gender-focused research is of great interest, EA/LAM have the most projects.
- Centre outputs: Reports, blogs, working-papers, photo stories, journal-articles.
- Few insights are available on causes of gender differentials in access to climate-related information.
- Institutional-arrangements, trade-offs, risks not properly contextualized to enable equitable distribution of benefits from incentives for dealing with CC.

Partners:

- IFPRI (lead)
 - ILRI (lead, IMPACT-Lite)
 - CRAF (CCAFS gender strategy development, convened and facilitated a technical working group to develop the CCAFS key gender research questions, collaborator on survey development, IMPACT-lite data entry, dissemination workshop host)
 - CIAT (survey design & oversight, testing, training, analysis, writing)
 - IFAD/CIAT (scaling out approach in Uganda & Tanzania)
- KARI, Makerere, Ministries of Ag (Kenya, Uganda, Senegal) – testing, training, data collection & analysis, writing

Links / sources for further information:

Output Use Metrics

Publications

Bernier Q, Meinzen-Dick R, Kristjanson P, Haglund E, Kovarik C, Bryan E, Ringler C, and Silvestri S.

2015. Institutions and Gender in the Adoption of Climate Smart Agriculture: Evidence from Kenya. CCAFS Working Paper No. 79. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark. (Available www.ccafs.cgiar.org)

n/a

Twyman J, Green M, Bernier Q, Kristjanson P, Russo S, Tall A, Ampaire E, Nyasimi M, Mango J, McKune S, Mwongera C, and Ndourba, Y. 2014. Adaptation Actions in Africa: Evidence that Gender Matters. CCAFS Working Paper no. 83. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). (Available <http://hdl.handle.net/10568/51391>)

485 downloads

Reports

Mwongera, C., K. M. Shikuku, J. Twyman, L. Winowiecki, E. Ampaire, M. Koningstein and S. Twomlow. 2014. Climate Smart Agriculture Rapid Appraisal Final Report of Northern Uganda. Available online: <http://dx.doi.org/10.7910/DVN/28703>

9 downloads

Mwongera, C., K. M. Shikuku, J. Twyman, L. Winowiecki, E. Ampaire, M. Koningstein and S. Twomlow. 2014. Climate Smart Agriculture Rapid Appraisal (CSA-RA) Report for Northern Uganda. <http://dx.doi.org/10.7910/DVN/28703>

7 downloads

Mwongera, C., K. M. Shikuku, L. Winowiecki, W. Okolo, J. Twyman and P. Läderach. 2014. Climate Smart Agriculture Rapid Appraisal Report from the Southern Agricultural Growth Corridor of Tanzania. <http://dx.doi.org/10.7910/DVN/28703>

6 downloads

Tools

Mwongera, C., J. Twyman, K.M. Shikuku, L. Winowiecki, W. Okolo, P. Laderach, E. Ampaire, P. Van Asten and S. Twomlow. 2014. Climate Smart Agriculture Rapid Appraisal (CSA-RA): A Prioritization Tool for Outscaling. Step-by-Step Guidelines. <http://dx.doi.org/10.7910/DVN/28703>

7 downloads

Datasets

CCAFS - Climate Change, Agriculture and Food Security Dataverse gender survey <http://thedata.harvard.edu/dvn/dv/CCAFSbaseline/faces/StudyListingPage.xhtml;jsessionid=ce436a95b3cab40f6526713ad7f2?mode=1&collectionId=4844>

1) CIAT; IFPRI -> 4 downloads of the questionnaires

2) CCAFS; IFPRI; ILRI -> 145 downloads, breakdown:

- Gender Study Short Description - 50 downloads
- Gender Study Questionnaire - 60 downloads
- Gender Study Training Manual - 37 downloads

Laderach, Peter; Winowiecki, Leigh; Eitzinger, Anton; Twyman, Jennifer; Shikuku, Kelvin M., 2014, "Playing Out Transformative Adaptation in CCAFS Benchmark Sites in East Africa: "When, Where, How and With Whom?"", <http://dx.doi.org/10.7910/DVN/24451> International Center for Tropical Agriculture [Distributor] V4 [Version] 27 downloads

Winowiecki, Leigh ; Laderach, Peter; Mwongera, Caroline; Twyman, Jennifer ; Mashisia, Kelvin ; Okolo, Wendy ; Eitzinger, Anton; Rodriguez, Beatriz, 2014, "Increasing Food Security and Farming System Resilience in East Africa through Wide-Scale Adoption of Climate-Smart Agricultural Practices", <http://dx.doi.org/10.7910/DVN/28703> International Center for Tropical Agriculture [Distributor] V4 [Version] 7 downloads

Presentations

Winowiecki L.A. 2014. Toward integrated analysis of socio-ecological data for improved targeting of resilient farming systems. Presentation at CIAT, 20 May 2014. (Available <http://www.slideshare.net/CIAT/toward-integrated-analysis-of-socio-ecological-data-for-improved-targeting-of-resilient-farming-systems-leigh-winowiecki>)

908 views, 20 tweets

Ampaire, E., Mango, J. 2014. Understanding Gender and Climate Change. Presentation at ICRAF Kenya, 14 May 2014. (Available <http://www.slideshare.net/cgiarclimate/understanding-gender-and-climate-change-35037158>)

1200 views, 29 downloads, 16 tweets

Blogs

Koningstein, M. 2015. Uncovering the complexity behind gender sensitive research. CCAFS blog series. (Available <http://ccafs.cgiar.org/blog/uncovering-complexity-behind-gender-sensitive-research#.VMZRRsacwiE>)

150 views

Rudram, B. 2014. Adaptation models for climate-smart practices to be developed. CCAFS Research Highlight, 23 July 2014. (Available <http://ccafs.cgiar.org/blog/adaptation-models-climate-smart-practices-be-developed#.VLZfs9KUeX0>) (Accessed on 22 January 2015)

230 views

Reichwage, M. 2014. Finding the right mix of climate-smart solutions in East Africa. CIAT blog series. (Available <http://ciatblogs.cgiar.org/support/finding-the-right-mix-of-climate-smart-solutions-in-east-africa/>)

n/a

Mburu, T.M. 2014. New analysis suggests gender differences in how farmers adapt to climate-smart agriculture. CCAFS blog series, 10 June 2014. (Available <http://ccafs.cgiar.org/blog/new-analysis-suggests-gender-differences-how-farmers-adapt-climate-smart-agriculture#.VMDgdNKUeX0>).

388 views

Winowiecki, L. 2014. Initial research highlights: importance of gender in food security innovations. CCAFS blog series, July 15 2014. (Available <http://ccafs.cgiar.org/research-highlight/initial-research-highlights-importance-gender-food-security-innovations#.VLZJtMk42Po>)

260 views

Smith, G. 2014. Down to earth data. <http://www.ciatnews.cgiar.org/2014/12/05/down-to-earth-data/> 5 December 2014. n/a

Smith, G. 2014. Down to Earth Data on CCAFS blog: <http://ccafs.cgiar.org/blog/down-earth-data> 10 December 2014

108 views

Photos

Gender & Climate Change Workshop Nairobi Kenya 14 May 2014
<http://www.flickr.com/photos/cgiarclimate/sets/72157636877152334/>
41 views

Smith, G. 2014. Photo Story: Ground-breaking women. <http://ccaafs.cgiar.org/blog/photo-story-ground-breaking-women#.VNoQzna8AUU> 18 December 2014 49 Views

Websites

Gordon, J. 2011. Impacts of climate change on supply chains in Guatemala, Bogota and Jamaica. <http://dapa.ciat.cgiar.org/impacts-of-climate-change-on-supply-chains-in-guatemala-bogota-and-jamaica/> 21 July 2011

n.a

5. Outcomes.

Outcome #1:

Shifting Epistemologies: gender and inclusion toolbox co-designed and used by 61 development and research partners

What is the outcome of the research (i.e. use of research results by non-research partners)?

Can stakeholder capacity to implement gender responsive and socially sensitive CSA programs increase with social learning and PAR? 61 unique partners in 19 countries co-developed and are using the CCAFS/CARE/ICRAF Gender and Social Inclusion Toolbox in their programs, increasing their own awareness and skills in social inclusion research while empowering thousands of farmers to do the same. More and more partners are making the Toolbox the centerpiece of their research in development programming.

What outputs produced in the three preceding years resulted in this outcome?

Building from case studies and learning from FAO-CCAFS training guide (S. Nelson et al, 2011) (60,000+ downloads), the Gender and Inclusion Toolbox (C. Jost et al, 2014) (2,000+ downloads) was published on 15 October 2014 during International Day of Rural Women with a full-day event at ICRAF. A webinar featuring speakers from FAO, CARE, ICRAF and CCAFS aired to 160 people and 50 stakeholders in attendance. (300 total webinar views since upload). Toolbox website (<http://intranet.worldagroforestry.org/ccafs/#>) was hosted by ICRAF, but needs to be taken over by CCAFS. It is a platform for users to access gender and CC resources, as well as blogs, publications and videos related to toolbox activities and CCAFS gender work. Feedback forms for users to report their use or variation of methods are also available, so the toolbox project can be a “living document”. See Annex 1 for full listing of research outputs.

What partners helped in producing the outcome?

- ICRAF - Publication partner; conducted field testing; co-development workshops; scientists from ICRAF Peru, ICRAF Colombia, ICRAF Kenya, and ICRAF Vietnam participated in SEA and LAM training and reviewed methods and translation of Toolbox’s content in English, Spanish, and French.
- Emory University, Masters in Development Practice- partnership with CCAFS providing 2 interns to conduct majority of implementation; Emory social scientists shaped Qualitative Research section in toolbox; Emory students co-authors of toolbox.
- CIAT - Scientists co-develop proposals; co-developed content and tools; CIAT Colombia produced LAM workshop video.
- CATIE – Partner/host for trainings; supported revision and addition to content.

Who used the output?

The Toolbox is a public good (<http://hdl.handle.net/10568/45955>). Target audience is CSA research and development stakeholders. Intensive workshops and trainings were implemented with 61 organizations. Within the CGIAR, Toolbox learning activities have been integrated into ICRAF’s 2015

gender mainstreaming efforts. For a full list, see Annex 2.

How was the output used?

CARE collected data for M&E while CCAFS SEA used the toolbox for action-planning gender mainstreaming in CSV sites. CATIE, CARE, We Effect are keen on scaling-out tools and have initiated discussions/concept notes for continued research. It is currently integrated into 3 proposals for DfID/IMMANA (CARE/ICRAF) and Gates (CIAT/ICRAF/CARE).

What is the evidence for this outcome? Specifically, what kind of study was conducted to show the connection between the research and the outcome? Who conducted it?

Theme 4.1 employs an impact pathway based ML&E system to objectively measure progress towards and achievement of activities, major output groups and outcomes. Annex 2 provides the ML&E results for the social learning outcome story. Detailed evidence for each indicator is provided in the subsequent annexes.

Outcome #2:

Shamba Shape Up: An Innovative Communication and Extension Success Story

What is the outcome of the research (i.e. use of research results by non-research partners)?

SSU increasingly presents CSA to EA smallholders. Avg. monthly viewership >9 million - 42% (5,653,830 smallholders in 2014) adopted new practices, benefiting Kenya's GDP >24million USD in net median maize and dairy production increases. Scientists and development partners now proactively engage with SSU. Parent company Mediae is expanding CSA platforms in EA by linking to iShamba mobile/SMS/internet-services. In collaboration with WB, GoK is supporting Mediae to bring these integrated, interactive services - initial investment of 85million USD in 10 provinces.

What outputs produced in the three preceding years resulted in this outcome?

Citizen TV: 35% airtime dedicated to CSA seasons 2-4. All episodes available at www.shambashapeup.com.

- a. Season 2: 13 episodes, 22/65 subject slots dedicated to CSA
- b. Season 3: 13 episodes, 23/65 subject slots dedicated to CSA
- c. Season 4: 26 episodes, 45/130 subject slots dedicated to CSA

24 K2A sponsored video clips of CSA subject-slots seasons 2-4 on Africa Knowledge Zone <http://www.africaknowledgezone.org/>

Additional video on the influences of SSU found at <https://www.youtube.com/watch?v=p6NZnz4cq4w>
2 reports by the Mediae Company, one report by the Reading University and one by the Africa Centre for Applied Research (ACAR). All these reports were on assessing the impacts of SSU.

10 blogs posted to the CCAFS website on <http://ccafs.cgiar.org/blog/> covering effective communication of climate-smart agriculture.

1 presentation held <https://www.youtube.com/watch?v=1brUV7SmU-0&feature=youtu.be> and one social media campaign held in 2013 in relation to disseminating the Shamba Shape Up blogs: <http://ccafs.cgiar.org/es/blogs/ssu>

See Annex 5 for full listing of research outputs.

What partners helped in producing the outcome?

Involved in SSU CSA segments:

- a. African Agricultural Technology Foundation (AATF)
- b. Alliance for Green Revolution in Africa (AGRA)
- c. International Maize and Wheat Improvement Center (CIMMYT)
- d. Association for strengthening Agricultural Research in Eastern and Central Africa (ASARECA)
- e. International Potato Centre (CIP)
- f. Food and Agriculture Organization of the United Nations (FAO)
- g. International Fund for Agricultural Development (IFAD)
- h. International Crops Research Institute for the SemiArid Tropics (ICRISAT)
- i. Kenya Agricultural Research Institute (KARI)
- j. Syngenta

- k. World Agroforestry Centre (ICRAF)
- l. International Livestock Research Centre (ILRI)
- m. Climate Change, Agriculture and Food Security (CCAFS)
- n. MEA Fertilizer
- o. Coopers K brands

Involved in measuring SSU outcomes and impact:

- a. Reading University
- b. Africa Centre for Applied Research (ACAR)
- c. ICRAF
- d. Wageningen University
- e. Howard and Crowe Consultants (HCC)
- f. Africa Enterprise Challenge Fund (AECF)
- g. Research Guide Africa (RGA)
- h. The Mediae Company

Who used the output?

CGIAR scientists, research and development organizations are the main users of SSU to disseminate information about CSA technologies and practices. Private companies who are also potential beneficiaries are using SSU to promote CSA-friendly products.

How was the output used?

Scientists provided millions of farmers with CSA, and demonstrated its application. Most viewers are smallholders, often with inadequate access to information. Video clips on CDs were also used by organizations such as GROOTS, bringing together women's groups from local areas for capacity enhancement purposes.

What is the evidence for this outcome? Specifically, what kind of study was conducted to show the connection between the research and the outcome? Who conducted it?

Theme 4.1 employs an impact pathway based ML&E system to objectively measure progress towards and achievement of activities, major output groups and outcomes. Annex 1 provides the ML&E results for the SSU outcome story. Detailed evidence for each indicator is provided in the subsequent annexes.

7. Outcome indicators.

Outcome Indicator:

Agriculture mainstreamed into the global climate change policies, and major international food security initiatives fully incorporate climate change concerns

Achievements:

The Knowledge to Action (K2A) research theme (aka T4.1) of the CGIAR research program (CRP) on Climate Change, Agriculture and Food Security (CCAFS), targeted the following major outcome goal for its first five years (2011-2016):

Agriculture mainstreamed into the global climate change policies, and major international food security initiatives fully incorporate climate change concerns

CCAFS discontinued T4.1 early as a separate research theme, at the end of 2014, and instead mainstream K2A into its different flagship and regional programs in 2015 as part of its transition into its second phase. However, the K2A team, in collaboration with many partners, made significant progress towards this target. This was possible because in 2013 we converted from a log frame-based work plan to one based on an impact pathway with well-developed outcome stories guiding the overall research theme as well as our four main impact pathways. This allowed us to streamline our research and partnership efforts towards our target outcomes:

K2A Outcome: By 2016, decision-makers are enacting food security and climate resilience strategies and policies favoring highly vulnerable groups so as to enable innovative smallholder farmer adaptation and mitigation in 20 CCAFS countries, 5 CCAFS economic areas and in key global processes.

Significant progress made

4.1.1 Regional socio-economic scenarios program outcome story: By the end of 2013, national and regional stakeholders in the five CCAFS regions are focusing on developing more appropriate adaptation and mitigation strategies policies using forward-looking climate change focused socio-economic scenarios. In two of our regions, economic communities and international organizations are collaborating to invest in this process for creating an enabling policy environment.

Completed – see Theme 4.1 2013 annual report

4.1.2 Innovations in research, partnerships and communication outcome story: By the end of 2016, because their awareness and capacity have been raised through proven innovative approaches to social learning, thousands of farmers and consumers are adapting to climate change and supporting farmers who are climate smart. These farmers have implemented at least one change to their agricultural practices that will make them more climate-resilient. This massive move towards climate smart agricultural practices has attracted the attention of the public and private sectors, which have made initial investments to meet the supply and marketing demands of climate smart farmers.

Preliminary completion

4.1.3 Gender and social differentiation outcome story: By the end of 2016, research and development actors understand the importance of social differentiation in climate resilience research, and for adoption of climate smart agricultural practices at the household and community levels. Our partners are using our tools to design gender-targeted climate smart agriculture research and development programs, and are measuring the overall benefits for improving the adoption of climate smart agricultural practices.

Preliminary completion

4.1.4 Evidence-based and forward-looking climate and agriculture strategies and planning outcome story: By the end of 2016, we have evidence showing that in rural communities socio-economic wellbeing is directly linked to land health. CCAFS and its partners are using this evidence to communicate to national decision-makers in each of the CCAFS regions the importance of healthy social and natural resources for carbon sequestration and achieving national contributions to the mitigation of climate change. National and regional actors are influencing national and regional forums related to agriculture and rural development, food security and climate change, and have begun to participate in global policy processes.

Preliminary completion

Evidence:

Evidence of this significant achievement can be found in the T4.1 monitoring, learning and evaluation (ML&E) report (uploaded to the CCAFS intranet) and the deliverables listed for each sub-activity in our activity report section. We would like to draw special attention to the evidence provided in our 2 outcome stories and 3 case studies:

- Shifting Epistemologies: gender and inclusion toolbox co-designed and used by 61 development and research partners
- Shamba Shape Up: An Innovative Communication and Extension Success Story
- Addressing CCAFS's key research questions on gender and climate change
- CCAFS Network of Gender and Climate Change Scientists
- Researching the effectiveness of scenarios as a tool for policy guidance

Uniquely, K2A works closely with the CCAFS regional programs and themes to achieve its target outcome stories and make progress towards its major outcome goal. Thus, evidence of the K2A outcome achievement is found throughout the K2A 2014 report, as well as in the reports of the five CCAFS regions as they pertain to the CCAFS scenarios program, policy engagement, research innovation (particularly PRA and CSVs), and gender and social differentiation.

8. Leveraged funds.

Leveraged funds #1

Title:

UNEP WCMC funding for 2013/2014 scenario work in three CCAFS regions

Partner Name: UNEP

Budget: \$315,000.00

Theme :4

Leveraged funds #2

Title:

FAO EPIC program funding for scenarios in SEA and Southern Africa

Partner Name: FAO

Budget: \$220,000.00

Theme :4

Leveraged funds #3

Title:

OXFAM GB funding for scenarios case study report

Partner Name: Oxfam

Budget: \$30,000.00

Theme :4

Leveraged funds #4

Title:

FP7 TRANSMANGO

Partner Name: EU

Budget: \$50,000.00

Theme :4

Leveraged funds #5

Title:

iShamba

Partner Name: Mediae

Budget: \$350,000.00

Theme :4

Leveraged funds #6

Title:

SSU Radio project

Partner Name: Mediae

Budget: \$60,000.00

Theme :4

Leveraged funds #7

Title:

USAID/DCHA LOCAL GOVERNANCE AND ADAPTING TO CLIMATE CHANGE RESEARCH PROJECT

Partner Name: USAID/DCHA

Budget: \$1,500,000.00

Theme :4

9. Publications.

Publication #1:

Experiences in participatory surveillance and community-based reporting systems for H5N1 highly pathogenic avian influenza: A case study approach.

Citation:

The citation is not defined yet.

| Identifier | CCAFS Themes | Type | Access |
|--------------------------------|--------------|--------------------------------|--------|
| DOI: 10.1007/s10393-014-0916-0 | Not defined | Peer-reviewed journal articles | |

Publication #2:

Composition and health of fish in refugia habitat of ephemeral tributaries to the lower Zambezi

Citation:

The citation is not defined yet.

| Identifier | CCAFS Themes | Type | Access |
|------------|--------------|--------------------------------|--------|
| | Not defined | Peer-reviewed journal articles | |

Publication #3:

Antibody response and risk factors for seropositivity in backyard poultry following mass vaccination against highly pathogenic avian influenza and Newcastle disease in Indonesia.

Citation:

The citation is not defined yet.

| Identifier | CCAFS Themes | Type | Access |
|-------------------------------|--------------|--------------------------------|--------|
| doi:10.1017/S0950268814002623 | Not defined | Peer-reviewed journal articles | |

