



RESEARCH PROGRAM ON
**Climate Change,
Agriculture and
Food Security**



Gender and Inclusion Toolbox: Participatory Research in Climate Change and Agriculture

**Gender Summit 5 Africa
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**Dr. Christine C. Jost
Participation and Impact Scientist
World Agroforestry Centre (ICRAF)**

CCAFS Gender TOC

Targeting women, youths, vulnerable peoples - increases the likelihood of achieving the **gender result** we seek:

Increased control by women and other marginalized groups of assets, inputs, decision-making and benefits

As well as our food security and poverty-related outcomes!!

If women had access to resources, on-farm yields could **INCREASE BY 20-30%**.



This extra output could reduce the number of hungry people in the world by

12-17%.



Source: FAO, 2011

CCAFS Gender TOC

- **Gender norms** must be addressed in order to achieve *a healthy, food and nutrition secure world free of poverty and hunger, with sustained and regenerating natural resources*
- We need to take what we've learned from sex disaggregated documentation and diagnostic research, and use it to formulate research aimed at informing, catalyzing and targeting adaptation and mitigation **solutions** to women and other vulnerable groups
- **Doing business differently...**

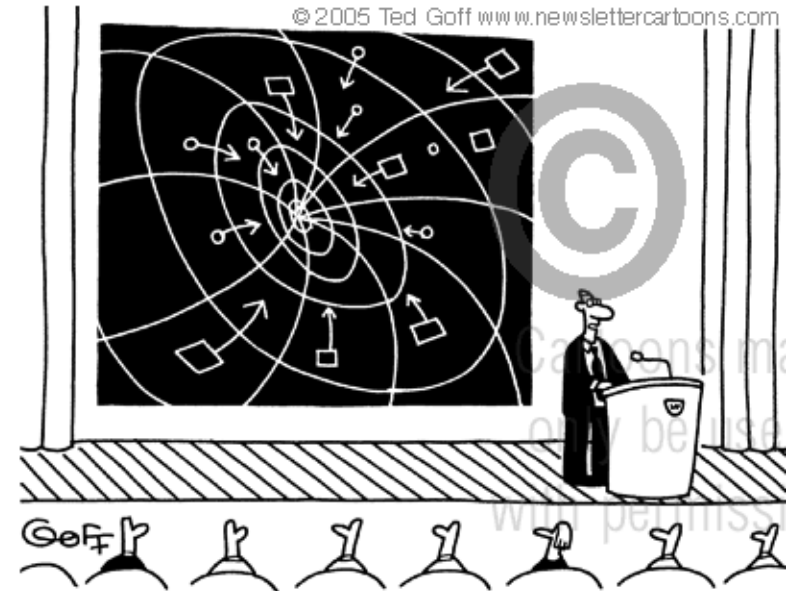


Climate Change – A Wicked Problem

Wicked problems – complex, uncertain, ever-evolving, multiplicity of stakeholders and perspectives

Need to move beyond expert approach – evaluation and advice

To consultative processes – collective understanding and response



“As you see, our project has created a massive black hole, consuming every smaller project in the vicinity.”

Innovation

"An innovation is something original, new, and important in whatever field that breaks in to a market or society".

(Wikipedia, http://en.wikipedia.org/wiki/Innovation#cite_ref-1, accessed 20 May 2014)

“[An innovation systems] framework embeds technological change within a larger, more complex system of interactions among ***diverse actors, organizational cultures and practices, learning behaviors and cycles, and rules and norms.***”

(Spielman et al. *Technology in Society*, 2009. doi:10.1016/j.techsoc.2009.10.004)

A process



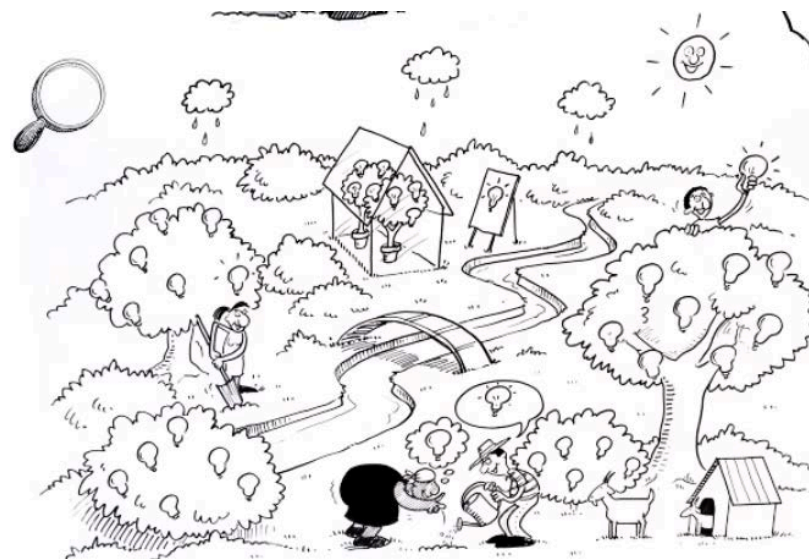
If you're not living on the edge, you're taking up too much space

Researching Innovation in the Context of Climate Change

Main Question: How do we achieve large-scale smallholder agricultural development in the urgent context of climate change?

Knowledge to **action** approaches

- Research into use – the loading dock
(Cash et al. *Science, Technology & Human Values*, 2006, 31(4), doi: 10.1177/0162243906287547)
- **Research in development** – research done in development contexts with development partners



[Kristjanson](#), P., [Harvey](#), B., [Van Epp](#), M., Thornton, PK. 2014. Social Learning and Sustainable Development. *Nature Climate Change* 4.1 (2013): 5-7. <http://hdl.handle.net/10568/34283>

Gender and Inclusion Toolbox:

Participatory Research in Climate
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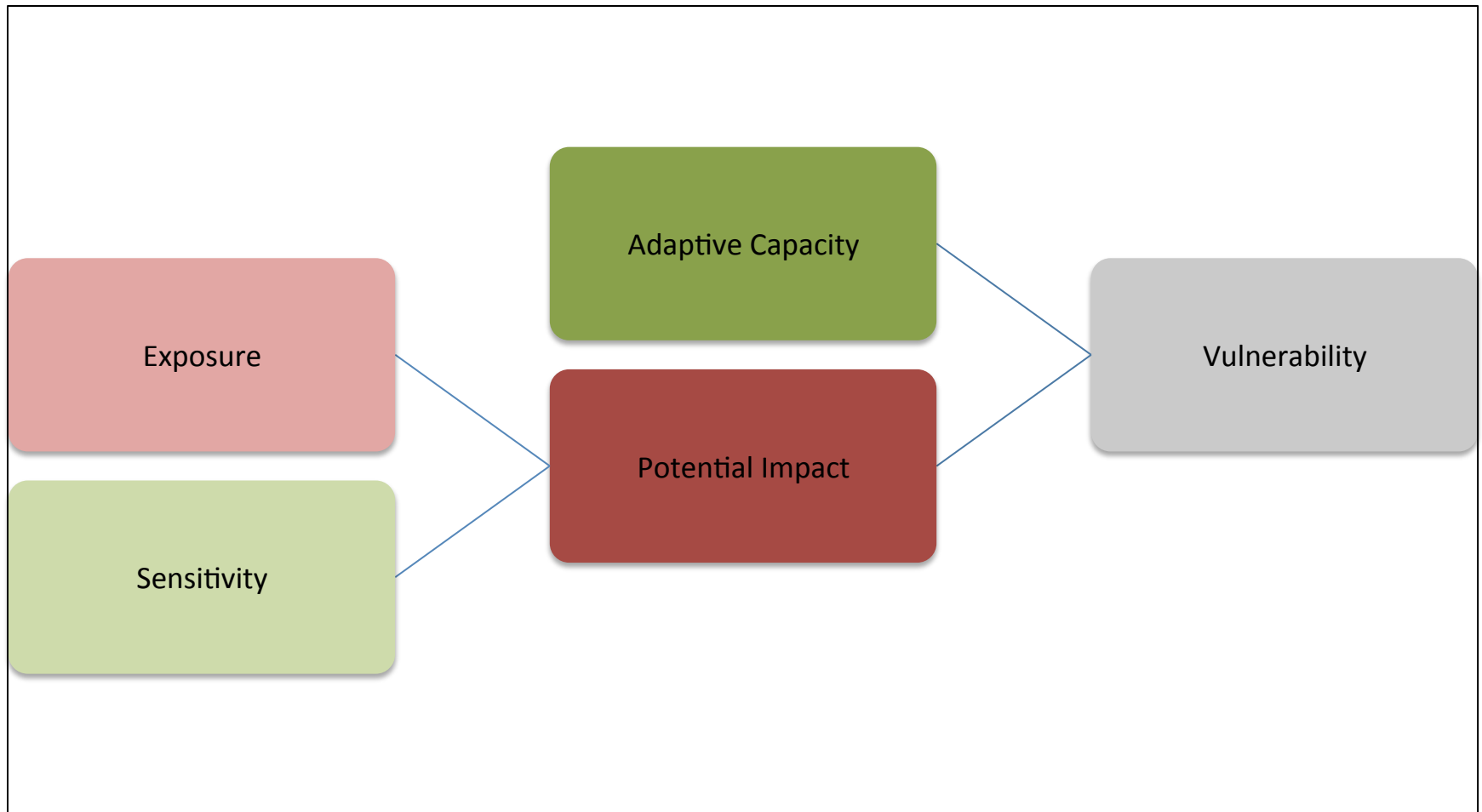


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Classic Gender Analysis Questions

Who, what, how, where, why, when

Shared but *different* vulnerability!





PART 1 - BASIC CONCEPTS

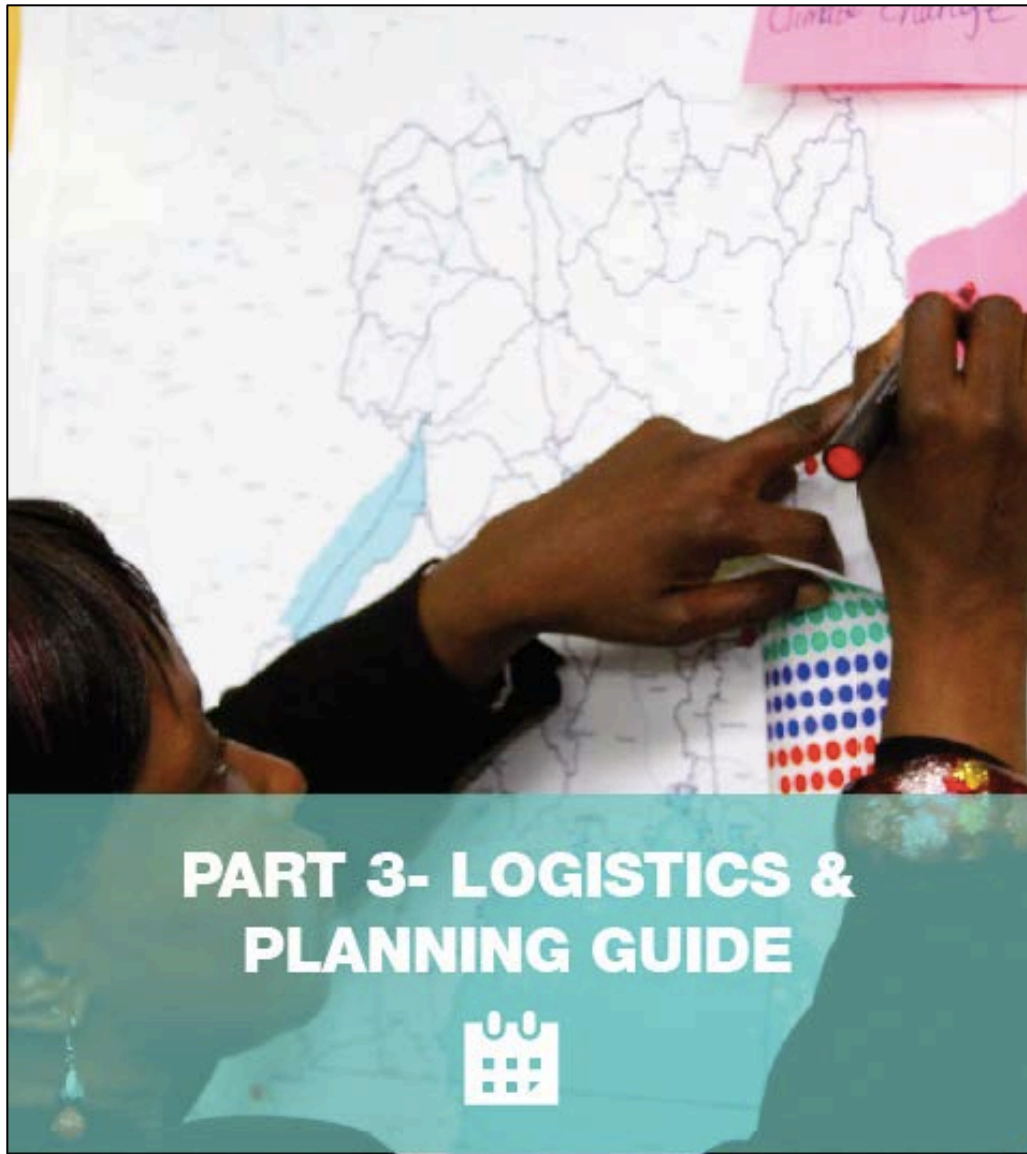
PART 2 - LEARNING ACTIVITIES

- Gender
- Climate Change
- Participation
- Qualitative Research
- Helpful Frameworks for Gender and Socio-Economic Analysis

- Gender
- Climate Change and Gender
- Participation
- Role of the Researcher
- Helpful Frameworks for Gender and Socio-Economic Analysis

Gender – learn by reading, learn by doing





PART 3- LOGISTICS & PLANNING GUIDE



Preparation

- A. Building a team
- B. Background research
- C. Sampling strategies and procedures

Implementation

- A. Research ethics
- B. Entering a community
- C. Exiting a community
- D. Audit trail log

Co-production of Knowledge

Tool	Suggested Use
Village Resource and Use Map	Two sessions – Men and Women A baseline understanding of the village layout, identifying resources on which people depend for their livelihoods as well as resource gaps and conflicts over resources, according to both men and women.
Village Map (Cont.) and The Goal Tree	Two sessions – Men and Women Community priorities and visions for the future.
Wealth and Vulnerability Analysis	One mixed session Social-differentiation along economic lines to identify vulnerable groups and their characteristics.
Gender Empowerment Now and Then	Two sessions – Men and Women Men and women’s definitions of “empowerment” and how empowered, based upon the local definitions, do they consider women now and in the past.

PART 4 – RESEARCH MODULES

Climate Resilient Agriculture

Tool	Suggested Use
Village resources and use map	<p>Two sessions – men and women</p> <p>A baseline understanding of the village layout, identifying resources on which people depend for their livelihoods as well as resource gaps and conflicts over resources.</p>
Wealth and vulnerability targeting	<p>One mixed session</p> <p>Social-differentiation along economic lines to identify vulnerable groups.</p>
Livelihood systems matrix	<p>Two sessions – men and women</p> <p>List of the most important on-farm and off-farm activities and their relative importance to men and women's income, consumption, food security, and household stability.</p>
Seasonal calendar	<p>Two sessions – men and women</p> <p>Annual drivers of agricultural practices, including agricultural labour roles for men and women, climate conditions, food security and resource availability.</p>
Daily activity clock	<p>Two sessions – men and women</p> <p>The different types of activities carried out by men and women in a typical day to understand current and past household and agricultural labour roles and responsibilities.</p>
Changing farming practices	<p>Two sessions – men & women</p> <p>Sources for, factors of, users of, and impacts of agricultural changes and new technologies or interventions.</p>
Venn diagrams	<p>Two sessions – men & women</p> <p>Key organizations, groups and individuals working in the community and their services, networking, and community involvement.</p>
Key informants interviews	<p>Understanding institutional strategies and approaches for inclusion and engagement of marginalized groups.</p>

Climate Information Services

Tool	Suggested Use
Climate information ranking	Two sessions – men and women Assess different sources (both individuals and organizations) of weather and climate-related information and their credibility, legitimacy and salience.
Information networks game	Two sessions – men and women Creating profiles of access and control over information channels.
Scientific forecasting	Two sessions – men and women This questionnaire assesses levels of understanding and use of existing weather and seasonal forecasts.
Key informant interviews	Understanding institutional strategies and approaches for inclusion and engagement of marginalized groups.

Mitigation

Tool	Suggested Use
Changing farming practices timeline	Two sessions – men and women Identification of mitigation & adaptive practices along with key actors and target beneficiaries.
Co-Benefit analysis	Two sessions – men and women Understand potential community incentives for and challenges to adopting proposed mitigation projects.

Social Learning – Co-development



Photo Credit: Dr. Jeffrey Mariner

Acknowledgments

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Consulted Experts

Agnes Otzelberger, *Climate Change Adaptation and Gender Coordinator at CARE International*

Carla Roncoli, PhD, *Associate Director & Director of Graduate Studies for Master's of Development Practice, Emory University*

Chesney A. McOmber, *Research Assistant at University of Florida*

Iliaria Sisto, *Training Officer, FAO*

Julianna White, PhD., *Program Manager, Low-Emissions Agriculture, Climate Change, Agriculture, Food Security (CCAFS)*

Kaisa Karttunen, *Senior Climate Change Officer Climate, Energy and Tenure Division (NRC), FAO*

Liri Wollenberg, PhD. *Theme Leader, Climate Change, Agriculture, Food Security (CCAFS) and Associate Professor at University of Vermont*

Margaret Kroma, PhD. *Assistant Director General, Partnerships & Impact, World Agroforestry Centre*

Maria Nuutinen, *Climate Change Officer for Climate Change Mitigation in Agriculture (MCCA), FAO*

Meryl Richards, PhD. *Science Officer, Climate Change, Agriculture, Food Security (CCAFS)*

Patti Kristjanson, PhD. *Senior Scientist, World Agroforestry Centre*

Szivia Lehel, *JPO Policy agriculture, FAO*

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Alice Oryango

Caroline Adera

Carolyne Langat

Cecilia Schubert

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Fastah Adam

Fausta Ayale

Fiona Percy

Jack Ojango

James Kwame

Joash Mango

Kalian Comfort Laadi

Kutam Atibila

Maurice Otieno

Mediva Azinapher

Monica Otieno

Nabila Tamboa Abu

Nuhu Sulemana

Romanus Gyang

Valentino Orondi

Zakari A. Baasit

Social Learning – Co-development

CCAFS Linking Knowledge with Action Blog Book



Moving from Knowledge to Action:

Blogging research and outcome highlights



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Working Paper

Closing the Relevance Gap: Lessons in Co-Developing Gender Transformative Research Approaches with Development Partners and Communities

Working Paper No. 99

CGIAR Research Program on Climate Change,
Agriculture and Food Security (CCAFS)

Nafisa Ferdous
Christine Jost
Patti Kristjanson

Upcoming: Jost C.C., Kyazze, F.B., Naab, J., Neelormi, S., Kinyangi, J., Zougmore, R., Aggarwal, P.K., Bhatta, G.D., Chaudhury, M., Tapio-Bistrom, M.-L., Nelson, S., Kristjanson, P. Understanding Gender Dimensions of Agriculture and Climate Change in Smallholder Farming Communities. *Accepted Climate and Development, February 2015.*

Gender and Climate Change Community: Researching, learning, impacting together!

<https://www.linkedin.com/groups?mostRecent=&trk=&gid=6657402>

<http://thedata.harvard.edu/dvn/dv/CCAFSbaseline/faces/StudyListingPage.xhtml;jsessionid=efc0985167adbf520e185e5a39b1?mode=1&collectionId=4844>

worldagroforestrycentre.org/gendertoolbox



<http://ccsl.wikispaces.com/Sandbox>

