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Food Security**



# Gender sensitive climate-smart agricultural practices

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*Linking Knowledge with Action Research Theme Leader*

**Agenda for Gender and Climate-Smart Agriculture**

FAO/MICCA Online Learning Event, January 2014

LED BY



Centro Internacional de Agricultura Tropical  
International Center for Tropical Agriculture  
Consultative Group on International Agricultural Research

# Introduction



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CAAFS - 15 international agricultural research centers (CGIAR) + global environmental change (Future Earth) research communities + their many and diverse partners

- 5 regions and 20 countries
- Farm to regional level + global level

Research on:

- **climate smart agricultural practices**
- **climate information services and climate-informed safety nets**
- **low emissions agricultural development**
- **policies and institutions for climate-resilient food systems**



# CCAFS Gender Impact Pathway



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Targeting women, youths and other vulnerable groups in agricultural research for development increases the likelihood of achieving the ***gender outcome*** we are seeking:

**Empowerment of women and marginalised groups, through increased *access to and control over* productive assets, inputs, information, food and markets, and strengthened participation in decision-making processes**

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

For more information on CCAFS gender research questions and approaches:  
<http://www.slideshare.net/cgiarclimate/ccafs-the-gender-outcome-challenge-patti-kris>

# Linking Knowledge with Action Strategies for Achieving Outcomes



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Climate smart agriculture means  
transformative changes in agricultural  
practices!!

**Social learning approaches** are key:

- facilitated iterative processes of working together, in interactive dialogue
- involves knowledge exchange, learning, action, reflection and on-going partnership
- spreading change through networks and systems



Learn more at:

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

[ccaafs.cgiar.org/gender](http://ccaafs.cgiar.org/gender)

# Gender & CSA-focused research: Examples of innovative approaches



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**New ICT/communication-based partners & approaches for achieving scale:**

**Farm reality TV show** targeting and informing millions of women, men and youths on CSA technologies across East Africa

Testing **mobile-phone** based equitable ag advisory services

Improved **climate and ag information services** targeted at women

**Participatory farmer-led videos** giving farmers a chance to share their perceptions, knowledge and adaptation strategies for a changing climate



# Gender and CSA-focused research examples, cont'd



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Testing new large-scale, inclusive **crowdsourcing approaches** re: technology and agricultural practice needs and impacts

**M&E:** Training in impact pathway analysis and M&E strategies with partners, including *gender impact pathways*

**Capacity strengthening** in new gender approaches and analysis with development partners





# Improved Gender-CC research methods

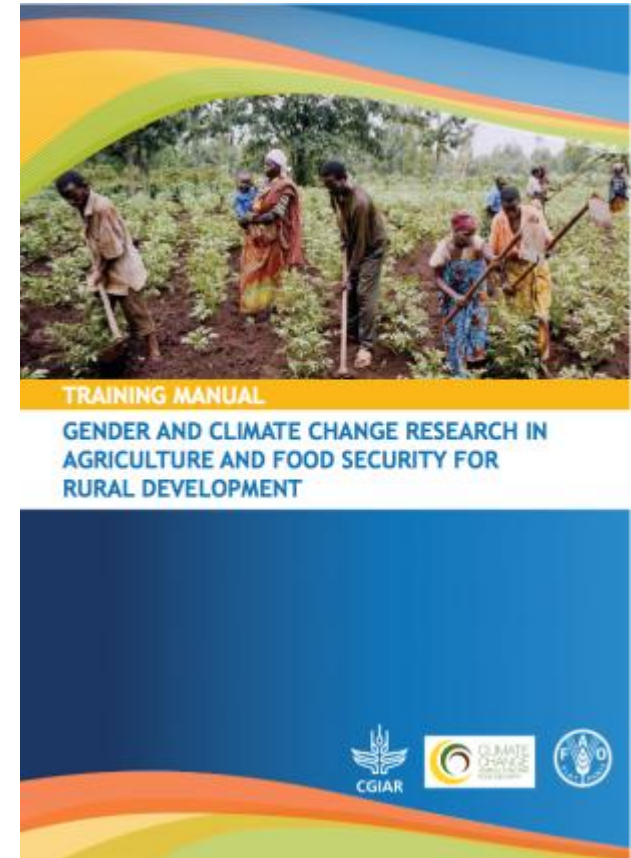


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FAO/CCAFS jointly developed qualitative gender tools that were implemented in CCAFS sites in Uganda, Ghana and Bangladesh

CCAFS gender & social Learning expert has been refining and testing these methods and producing a field manual for use by development partners



# Improved Gender-CC research methods



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## Plot-level intra-household gender/CSA survey:

Examining gender differentials in:

- assets, information, empowerment in decision-making
- agricultural practices enhancing climate resilience
- perceptions and values shaping adaptation choices
- labour demands of CSA technologies (often higher for women)

CCAFS/IFPRI/ILRI intra-household survey and training materials:

<http://thedata.harvard.edu/dvn/dv/CCAFSbaseline>



# Research to address ‘what are gender-sensitive CSA practices?’



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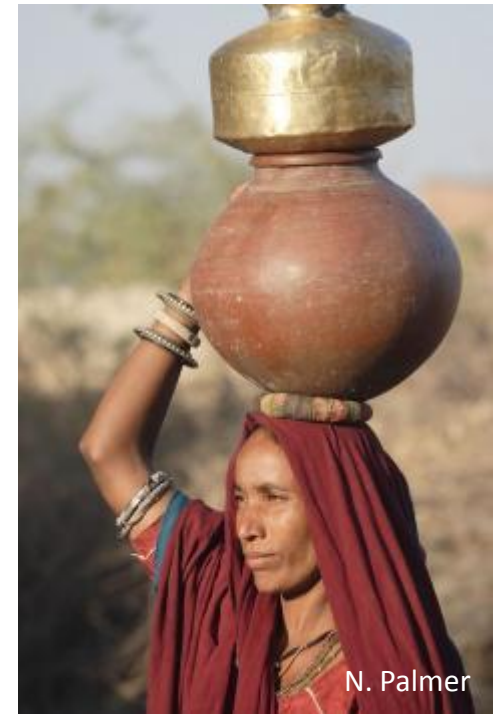


Still many research and evidence gaps here!!

Requires both qualitative and quantitative approaches

Research questions should precede choice of method(s)

CAAFS is doing the same surveys across diverse ag systems/regions to try to address this challenge – just what are CSA practices, where, why and for whom?



# Some initial findings

Women are receiving significantly less information on agricultural practices and climate/weather across Africa and S. Asia

Bringing together Meteorological Services, Extension, Researchers & NGO's/practitioners around **improved climate services** can enhance adaptive capacity and resilience of vulnerable people



A. Tall

# Some initial findings, cont'd

In 2 regions of Kenya, we found:

There is still a ***very low awareness***, and often significantly lower awareness of women than of men, of many ***water-conserving and soil enhancing agricultural practices*** that will help build climate resilience (along with other livelihood benefits)



# Some findings, cont'd

However, once aware, **women are just as likely, or more likely to adopt CSA practices as men**

*Such as: water harvesting, agroforestry, crop residue mulching, composting, manure management, drought/heat/flood tolerant varieties, minimum tillage and cover cropping (conservation ag practices)*

**But, institutional (e.g. property rights) and market-related constraints are still restrictive in many places**

See also: IFPRI's gender in ag resources:  
[gaap.ifpri.info](http://gaap.ifpri.info)  
[ifpri.org/book-9075/ourwork/program/weai-resource-center](http://ifpri.org/book-9075/ourwork/program/weai-resource-center)



# Resources



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Summary of CCAFS gender research and links to FAO-CCAFS gender-CC qualitative tools:

[http://ccafs.cgiar.org/gender-and-climate-change#.Uu0\\_TfbVV50](http://ccafs.cgiar.org/gender-and-climate-change#.Uu0_TfbVV50)

CSA and gender policy brief:

<http://www.worldagroforestry.org/downloads/publications/PDFS/PB13013.PDF>

Making climate services gender-sensitive:

[http://ccafs.cgiar.org/blog/showing-how-climate-services-can-work-smallholder-farmers#.Uu6gf\\_bVV50](http://ccafs.cgiar.org/blog/showing-how-climate-services-can-work-smallholder-farmers#.Uu6gf_bVV50)

CSA success stories:

<http://ccafs.cgiar.org/research-highlight/climate-smart-agriculture-improving-lives-millions-heres-how#.Uu08ZPbVV50>

CCAFS/IFPRI/ILRI intra-household survey and training materials:

<http://thedata.harvard.edu/dvn/dv/CCAFSbaseline>

*Description of tool to determine extent of viable cultivation with CC:*

<http://ccafs.cgiar.org/blog/looking-beyond-agriculture-help-create-resilient-smallholder-farms#.Uu09nPbVV50>

[ccafs.cgiar.org/gender](http://ccafs.cgiar.org/gender)