Impacts of international agricultural research: Rigorous evidence for policy

6-8 July 2017 • Nairobi, Kenya • World Agroforestry Centre

#AgResearchImpact

Draft version 6 - 30 June 2017

Organized by the ISPC’s Standing Panel on Impact Assessment (SPIA) and the CGIAR Research Program on Policies, Institutions, and Markets (PIM)
Thursday 6 July 2017
ADOPITION OF TECHNOLOGIES

08:30  Arrival, registration

PLENARY SESSION: INTRODUCTIONS AND INVITED PAPER - CONFERENCE HALL
Moderator: Karl Hughes

09:00 Welcome from ICRAF/ILRI  Iain Wright
09:10 Welcome from SPIA and overview of program  Doug Gollin
09:15 Welcome from PIM  Karen Brooks
09:20 Introductory talk: “The rigor revolution in impact assessment”  Doug Gollin
09:40 Invited paper: “The adoption puzzle - what can the CGIAR learn from field experiments of new agricultural technologies?”  Alain de Janvry

10:20 Discussion led by  Derek Byerlee
10:45 Coffee

11:15 PLENARY PANEL DISCUSSION:
USE OF EVIDENCE IN AN ERA OF “ALTERNATIVE FACTS” - CONFERENCE HALL
Moderator: JV Meenakshi

What kinds of evidence for evidence-based policy?  Nancy Cartwright
Use of evidence in decision-making in the Alliance for a Green Revolution for Africa (AGRA)  Agnes Kalibata
The politics of evidence in donor agencies and international organizations  Catherine Weaver
DFID perspectives on standards of evidence  Howard Standen
IFAD perspectives on standards of evidence  Alessandra Garbero
PEP: Building capacity for rigorous policy-engaged research  Jane Mariara

12:45 Lunch

14:00 PARALLEL SESSION

SESSION A: WHY DON’T FARMERS KNOW WHICH VARIETIES THEY ARE GROWING? INSIGHTS ON AFRICAN SEED SYSTEMS FROM DNA FINGERPRINTING (SPIA LED) - CONFERENCE HALL
Moderator: Richard Caldwell

Summary of multiple validation surveys against self-report and expert opinion studies  Mywish Maredia
Blowing in the wind: the quest for accurate crop variety identification in field research, with an application to maize in Uganda  Talip Kilic
Counterfeit seed: comparing genetic tests and germination rates to identify the prevalence and source of counterfeit maize in Western Kenya  Emilia Tjernstrom
Measuring the productivity impacts of adoption in the presence of misclassification  Tesfamichael Assfaw
Discussion led by  Tom Walker, B M Prasanna

SESSION B: INNOVATIONS TO PROMOTE SCALING UP OF TECHNOLOGY ADOPTION (PIM LED) - LUNDGREN AUDITORIUM
Moderator: Frank Place

Limited attention and information loss in the lab-to-farm knowledge chain: the case of Malawian agricultural extension programs  Chiyu Niu
Cash transfers and crop production in Senegal  Alan de Brauw
Pro-social behaviour in agricultural knowledge diffusion: experimental evidence from northern Uganda  Kelvin Shikuku
Evaluating the impact of the volunteer farmer trainer approach in the dissemination of improved feeds and feeding practices among smallholder dairy farmers in Eastern Uganda: approaches, lessons and preliminary findings

Discussion led by

Judith Oduol

SESSION C: IMPROVING FOOD SECURITY THROUGH CAPACITY BUILDING IN RESEARCH AND INFORMATION DISSEMINATION (LED BY THE FOODAFRICA PROGRAMME) - BOARDROOM

Moderator: Mila Sell

Building sustainable food production through soil micronutrients analysis, dairy cattle breeding and adaptation to climate change

Mercy Nyambura,
Karen Marshall,
Siwa Msangi

Ensuring food safety and nutrition through reduced aflatoxin contaminations and local diverse human diets

Delia Grace,
Johanna Lindahl,
Celine Termote

Improving market access and extension through SMS-based services and voluntary farmer training

Nick Minot,
Steve Franzel

Comment by the Deputy Head of Mission, Embassy of Finland in Nairobi

Ramses Malaty

Discussion

Hannu Korhonen

15:45 Coffee

16:15 PARALLEL SESSION

SESSION A: FARMER BEHAVIOR AND THE IMPACTS OF NEW TECHNOLOGIES (SPIA LED) - CONFERENCE HALL

Moderator: Karen Macours

Conservation agriculture and climate resilience in Zimbabwe

Jeff Michler

Learning by doing and learning from others: evidence from agronomical trails in Kenya

Rachid Laajaj

Drought resistance and water saving in rice production in Bangladesh

Kyle Emerick

Can personalized input recommendations and better practices improve yields? A field experimental approach in Mexico

Carolina Corral

Discussion led by

Erwin Bulte, Frank Place

SESSION B: HOUSEHOLD AND INTRA-HOUSEHOLD DECISION-MAKING ON TECHNOLOGY ADOPTION (PIM LED) - LUNDGREN AUDITORIUM

Moderator: Cheryl Doss

The effect of intra-household decision-making on adopting crop rotation practices in Ethiopia

Orkhan Sariyev

Bargaining power and biofortification: the role of gender in adoption of orange sweet potato in Uganda

J. V. Meenakshi

Household decision-making processes and the adoption of climate smart agricultural practices

Jennifer Twyman

The role of gender relations in technology adoption: the case of sweet potato vine multiplication in Phalombe and Chikwawa districts in Malawi

Netsayi Mudege

Discussion led by

Mary Arends-Kuenning

18:00 Reception hosted by SPIA (until 20:00) - Conference Hall Courtyard
Friday 7 July 2017

IMPACTS ON DEVELOPMENT OUTCOMES

09:00 PLENARY SESSION: DEFINING AND MEASURING KEY DEVELOPMENT OUTCOMES - CONFERENCE HALL

Moderator: Leslie Lipper

Measuring resilience
Chris Barrett
Measuring ecological impacts
Tor-Gunnar Vagen
Measuring capacity development
Wanjiru Kamau-Rutenberg
Measuring gendered impacts
Cheryl Doss
Discussion led by
Nancy Johnson,
Talip Kilic

10:30 Coffee

11:00 PARALLEL SESSION

SESSION A: IMPACTS OF AGRICULTURAL TECHNOLOGIES ON FOOD SECURITY, NUTRITION AND HEALTH: WHAT HAVE WE LEARNED? (SPIA LED) - CONFERENCE HALL

Moderator: Erwin Bulte

Assessing the impact of the adoption of high iron bean varieties on bean and iron intake in vulnerable populations of Rwanda
Caitlin Herrington
Shortening the hungry season: the impact of shorter duration rice on consumption and health in Sierra Leone
Nidhi Parekh
Looking beyond income: the impact of dairy hubs on human nutrition in Tanzania
James Rao
Assessing the socio-economic, food and nutritional security, and land health impacts of agroforestry in Kenya
Karl Hughes
Role of crop diversification for food and nutrition security in Sub-Saharan Africa
Menale Kassie
Discussion led by
Erin Lentz,
JV Meenakshi

SESSION B: TRACING OUT CAUSAL PATHWAYS FOR THE IMPACT OF POLICY-ORIENTED RESEARCH (SPIA-PIM CO-LED SESSION) - LUNDGREN AUDITORIUM

Moderator: Mitch Renkow

Assessing the impact of IFPRI’s research on intra-household decision-making processes on the field practices of INGOs
Barbara Huddleston
Two studies with CIFOR: forest co-management in Guinea; and the Sustainable Wetlands Adaptation and Mitigation Program (SWAMP) in Indonesia
Brad Mills
Have IFPRI’s country programs made a difference? An econometric study of the 1981-2014 period
Samuel Benin
Theory-based evaluation of policy-relevant research: lessons from a series of case studies
Brian Belcher
Discussion led by
Catherine Weaver,
Tom Tomich

12:45 Lunch
14:00  **PLENARY SESSION:** **IMPACT ASSESSMENT IN CGIAR: INFORMATION SHARING & MATCH MAKING (SPIA LED)** - CONFERENCE HALL COURTYARD

Nine CRPs pitch ideas for ex-post impact assessment

*Organizers: Nancy Johnson, Lakshmi Krishnan*

Coffee available

15:15  **PARALLEL SESSION**

**SESSION A:** **FROM PRODUCTIVITY INCREASES TO AGGREGATE, LONG-RUN IMPACTS (SPIA LED)** - CONFERENCE HALL

*Moderator: Derek Byerlee*

Using global agricultural, health and demographic datasets to identify the impacts of CGIARs modern seed varieties since 1960s  
*Gordon McCord, Ram Fishman*

Two blades of grass: the impact of the Green Revolution  
*Asger Wingender*

Poverty impacts of widely-adopted CGIAR innovations  
*David Laborde*

Large-scale adoption and productivity impacts of improved lentil varieties in Bangladesh  
*Jeff Alwang*

Recalibrating and reassessing the global returns to agricultural R&D evidence  
*Philip Pardey*

Discussion led by  
*Chris Barrett*

**SESSION B:** **GENDER DIMENSIONS OF TECHNOLOGY SCALING (PIM LED)** - LUNDGREN AUDITORIUM

*Moderator: David Spielman*

Cost-effectiveness of community-based gendered advisory services to farmers: analysis in Mozambique and Tanzania  
*Tewodaj Mogues*

The influence of gender norms on agricultural innovations: empirical insights from Bangladesh  
*Lemlem Behailu*

Agricultural technology adoption in Zambia: are women farmers being left behind?  
*Thelma Namonje-Kapembwa*

Tipping points in development domains using a gender lens  
*Gideon Kruseman*

Discussion led by  
*Mywish Maredia*

17:00  **PLENARY SESSION:** **WHAT LESSONS ARE THERE FOR HOW CGIAR SETS PRIORITIES?** - CONFERENCE HALL

*Moderator: Doug Gollin*

Reflections on the use of evidence in donor-commissioned priority-setting exercises  
*Jeff Alwang*

What are the implications for independent scientific advice in CGIAR?  
*Maggie Gill*

What lessons are there for CGIAR senior management?  
*Tony Simons*

What does the drive for greater rigor mean for CGIAR partners?  
*Agnes Kalibata*

What lessons are there for CGIAR senior management?  
*Ruben Echeverria*

17:45  **Wrap-up and formal close of main program**  
*Doug Gollin*

18:30  **Reception at the Tribe Hotel, The Village Market, Gigiri (until 20:00)**

Launch of the “Journal of Gender, Agriculture and Food Security” with reception hosted by the African Women in Agricultural Research and Development (AWARD) program
### SPIA Workshop: Estimating the Adoption of Specific NRM Technologies at Large Scale

**(Room TBC)**

**Moderators:** Paul Vlek, James Stevenson

- Documenting adoption of the Alternate Wetting and Drying (AWD) water management technique in Vietnam, Nguyen Ngoc Thuy
- On the ground or in the air? A methodological experiment on crop residue cover measurement in Ethiopia, Frederic Kosmowski
- Applying geospatial methods to assess and validate the uptake of fertilizer trees and fodder shrubs in Zambia, Tor-Gunnar Vagen
- Mapping adoption of Integrated Soil Fertility Management (ISFM) practices in Rwanda, Ephraim Nkonya
- Documenting adoption of Conservation Agriculture (CA) in Malawi and Zambia, Aslihan Arslan, Antonio Scognamillo
- Documenting adoption of Conservation Agriculture (CA) in India, Andre Butler
- Adoption of Conservation Agriculture (CA) technologies in Malawi, Stein Holden
- Estimating Conservation Agriculture adoption in North and Central Mexico, Kai Sonder
- Conservation Agriculture in Africa- evidence from Mozambique and Zambia, Munyaradzi Mutenye
- Discussion led by David Spielman

### PIM Workshop: Social Science Research Capacity and Quality Workshop

***(Room TBC)**

**2.1 Social Science Capacity in CGIAR**

Panel of reflections on major social science research issues for CGIAR, Derek Byerlee, Karen Macours

Analyses of social science capacity and publications in CGIAR, Frank Place

Enhancing social science research in CGIAR: perspectives from the Centers, (tbc)

Discussion of improving social science quality and next year’s PIM conference, Karen Brooks

**2.2 Presentation of the Big Data Platform and opportunities for linkage to CGIAR social scientists**

Moderator: (tbc)

Gideon Kruseman

**2.3 Presentation of MEL CoP progress on monitoring and assessing outcomes of CGIAR**

Frank Place, David Rider-Smith

Working group discussions of the two presentations

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### Lunch Session: Discussion of Field Realities of Integrating DNA Fingerprinting into Survey-Based Adoption and Impact Studies (Pre-Registration Required)

Informal discussion about practical operational implications of incorporating DNA fingerprinting in survey design
14:00  **SPIA WORKSHOP ... continued**

14:00  **PIM WORKSHOP ... continued**

    2.4 Breakout groups to strengthen networking around specific social science topics (gender, scaling up methods, value chains, others to be determined)

Summary of PIM Saturday workshop and closing remarks  

Karen Brooks

15:30  **Coffee**

16:00  **IMPACT ASSESSMENT FOCAL POINT DISCUSSION ABOUT SIAC FOLLOW UP (INVITATION ONLY)**

17:00  **Closing**