



Agricultural Science &
Technology Indicators



INTERNATIONAL
FOOD POLICY
RESEARCH
INSTITUTE

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PROGRAM ASTI/IFPRI–FARA CONFERENCE

AGRICULTURAL R&D: INVESTING IN AFRICA’S FUTURE Analyzing Trends, Challenges, and Opportunities

La Palm Royal Beach Hotel, Accra, Ghana — December 5-7, 2011

MONDAY DECEMBER 5, 2011

8:00-8:45 **Registration**

SESSION 1 OPENING

Chair: **Nienke Beintema**

9:00 **Monty Jones / Irene Annor Frempong**, Executive Director / Director FARA

9:20 **Shenggen Fan**, Director General IFPRI (by video)

9:30 **Mark Holderness**, Executive Secretary GFAR (by video)

9:40 **Abdulai Baba Salifu**, Director General CSIR

10:00 **John Lynam**: Conference Objectives and Guidelines

SESSION 2 WHY DO AFRICAN GOVERNMENTS UNDERINVEST IN AGRICULTURAL R&D?

Chair: **Oumar Niangado**

Discussant: **Ruben Echeverría**

10:20 **Hans Binswanger**: The Growing Opportunities for African Agricultural Development /Public Expenditures and Public Research Expenditures on Agriculture in Africa

10:40 *Coffee/tea break*

11:10 **Keith Fuglie**: Policies and Productivity Growth in African Agriculture

11:30 **Alejandro Nin-Pratt**: Agricultural R&D Investment, Poverty, and Economic Growth in Sub-Saharan Africa: Prospects and Needs to 2050

11:50 **Gert-Jan Stads**: Africa’s Agricultural R&D Funding Rollercoaster: An Analysis of the Elements of Funding Volatility

12:10 *Lunch break*

13:40 **David Spielman**: Changing Donor Priorities and Strategies for Agricultural R&D in Developing Countries: Evidence from Africa

14:00 **Derek Byerlee**: Producer Funding of R&D in Africa: An Underutilized Opportunity to Boost Commercial Agriculture

14:20 **Ruben Echeverría**: Comments

14:40 **General discussion**

15:20	<i>Coffee/tea break</i>
SESSION 3	HOW TO COUNTERACT DECADES OF UNDERINVESTMENT IN AFRICAN AGRICULTURAL R&D: PERSPECTIVES FROM DONOR ORGANIZATIONS
Chair	TBC
15:50	Panel discussion with Nikita Eriksen-Hamel, USAID (TBC), David Nielson, Greg Traxler
16:50	General discussion
17:30	Closure
18:30	Cocktails

TUESDAY DECEMBER 6, 2011	
SESSION 4	HUMAN RESOURCE DEVELOPMENT FOR AGRICULTURAL R&D
Chair:	August Temu
9:00	Nienke Beintema: Human Resource Allocations in African Agricultural Research: What Do The Data Tell Us?
9:20	Louis Sène: Staff Aging and Turnover in Agricultural R&D: Lessons from Five National Agricultural Research Institutes in Africa
9:40	Joyce Moock: Network Innovations: Building the Next Generation of Agricultural Scientists in Africa
10:00	Irene Annor Frempong: Enhancing Capacity for African Agricultural Research: Conceptual Framework, Models, and Lessons
10:20	<i>Coffee/tea break</i>
10:50	Panel discussion with Ekwamu Adipala, Ralph Christy, Mark Laing, Agnes Mwang'ombe: How to Address the Training Needs to Tackle Human Resource Capacity Challenges in African Agricultural R&D
11:50	General discussion
12:40	<i>Lunch break</i>
SESSION 5	MEASURING AND IMPROVING THE EFFECTIVENESS OF AGRICULTURAL R&D SYSTEMS
Chair:	Daniel Karanja
Discussant:	Samuel Benin
14:00	Leonard Oruko: The Role of Evaluation in Strengthening Agricultural R&D in Sub-Saharan Africa: Information, Instruments and Actors
14:20	Chris Ackello-Ogutu: Cost-Benefit Analysis of Implementing a Centralized National Agricultural Research System Policy in Kenya
14:40	Catherine Ragasa: Measuring R&D Performance within an Innovation System Perspective: An Illustration from the Nigeria and Ghana Agricultural Research Systems
15:00	Thomas Walker: Measuring the Effectiveness of Agricultural R&D in Sub-Saharan Africa from the Perspectives of Varietal Output and Adoption: Initial Results from the Diffusion of Improved Varieties in Africa Project

15:20	<i>Coffee/tea break</i>
15:50	Samuel Benin: Comments
16:10	General discussion
17:00	Closure

WEDNESDAY DECEMBER 7, 2011

SESSION 6 ALIGNING AND RATIONALIZING INSTITUTIONAL STRUCTURES OF AGRICULTURAL R&D

Chair: **Shashidhara Kolavalli**

Discussants: **Yusuf Abubakar / Aggrey Agumya**

9:00 **Kathleen Flaherty:** Agricultural R&D Challenges of Small Countries in Sub-Saharan Africa

9:20 **Han Roseboom:** Supranational Collaboration in Agricultural Research in Sub-Saharan Africa

9:40 **Michael Johnson:** Setting Priorities of Regional Agricultural R&D Investments in Africa: Incorporating R&D Spillovers and Economy-wide Effects

10:00 **Carl Pray:** Private Investment in Agricultural Research and Technology Transfer in Africa

10:20 **Ponniah Anandajayasekeram:** The Role of Agricultural R&D within the Agricultural Innovation Systems Framework

10:40 *Coffee/tea break*

11:10 **Arno Maatman:** Dynamic Networks of Interactive Learning and Agricultural Research for Development: Three Critical Roles for Agricultural Advisory Services

11:40 **Yusuf Abubakar:** Comments

12:00 **Aggrey Agumya:** Comments

12:30 *Lunch break*

14:00 **General discussion**

15:00 *Coffee/tea break*

SESSION 7 CLOSURE / WAY FORWARD

Chair: **Ruben Echeverría**

15:30 **John Lyman:** Synthesis of Conference Discussions

16:00 **Mark Rosegrant,** IFPRI (by video)

16:10 **Irene Annor Frempong,** FARA

16:30 Closure