



Forum for Agricultural Research in Africa

IAR4D to Enhance Agricultural Innovation and effectiveness of Research



Experiences from SSA CP

Expert Consultation on Innovation
Systems: Towards More Effective Theories
of Change 04th – 06th February 2013 CTA
Headquarters, The Netherlands

Wale Adekunle

Director; Sub Saharan Africa Challenge Program

Outline

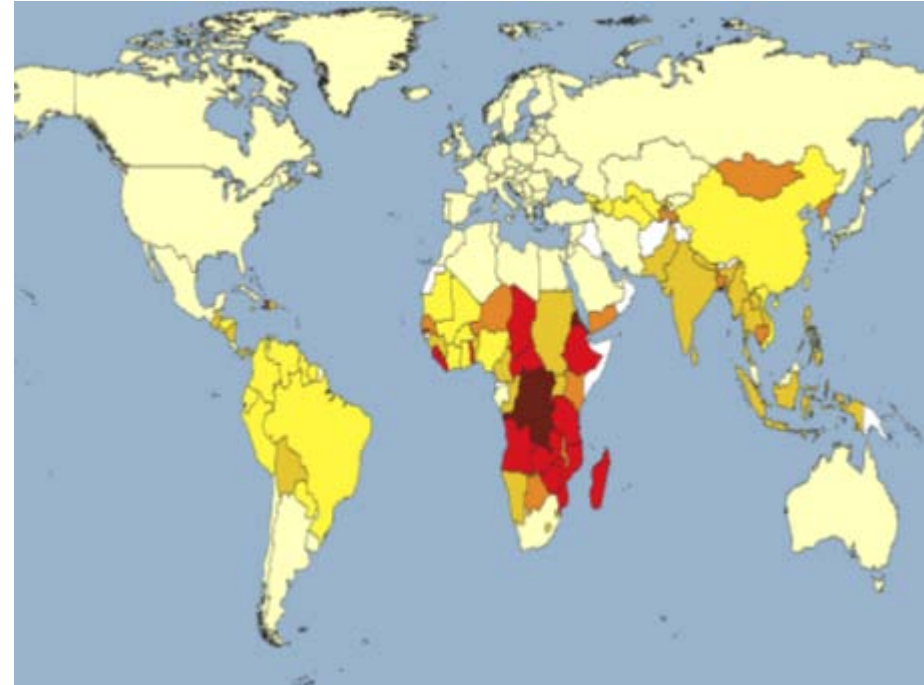
- Why SSA CP
- Challenge for the Challenge Program
- IAR4D and the Problems of African Agriculture
- Integrating Research with Development
- Some examples from Across Africa
- The spread of IAR4D
- Some challenges
- Conclusion

Why SSA CP?

- Triple Developmental Issues in Africa
 - Food and nutrition insecurity,
 - Poverty, and
 - Environmental degradation
- Coupled with
- Frustration of non adoption of technologies

Window of opportunity:

**IAR4D was packaged as a
Challenge Program for the
CGIAR**



Hunger is most severe in Africa

**Under-nourishment is cause of
25,000 deaths each day and
stunting of 150M children**

IAR4D promotes integration

Integrated Agricultural Research for Development
Integrating Research with Development
Integrating activities of different stakeholders
Integrated approach to problem solving
Integrating cardinal disciplines in research

Productivity Research integrated with market,
natural resource management, policy, nutrition,
product development and gender

Sustainable Development

Principal Research Questions

Integrated Agricultural Research for Development - FARA

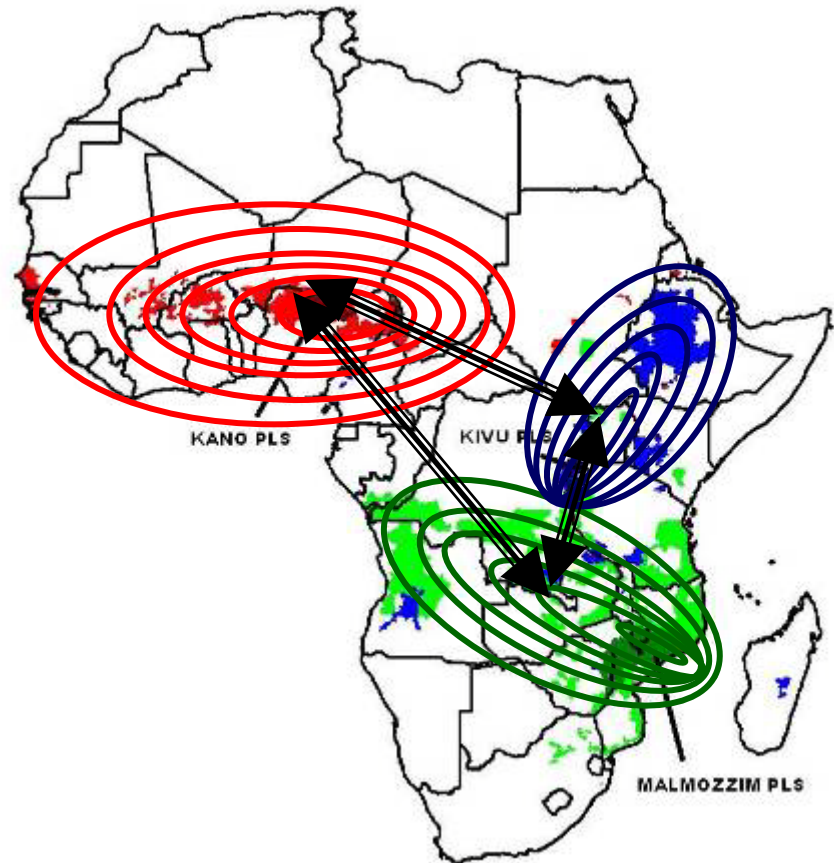
1. Does the IAR4D concept work and can it generate deliverable international and regional public goods for the end users?
2. Does the IAR4D framework deliver more benefits to end users than conventional approaches (had the conventional R&D and extension approach had access to the same resources)?
3. How sustainable and usable is the IAR4D approach outside the test environment (i.e. issues of scaling out for broader impact)?

“Using Scientifically rigorous procedures..... No anecdotes.....”

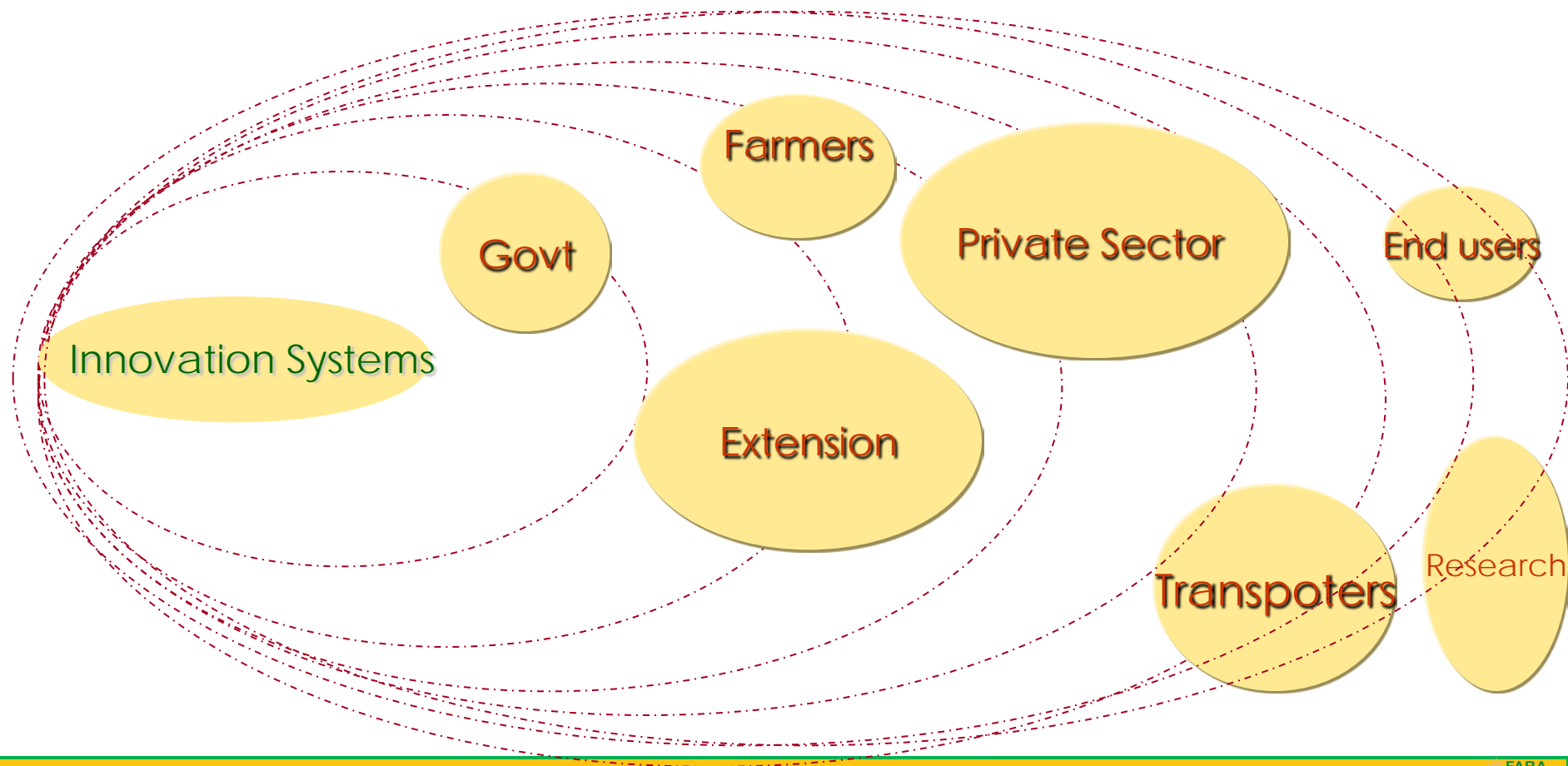
**We responded with Randomized Control Trial with two Counterfactuals-
Conventional and Clean**

SSA CP Pilot Learning Sites (PLS)

- Continent wide meta-project
- 3 PLS; 1 project per site
- 3 sub-projects per project: total of 9 sub-projects
- Meta analysis to extract generalizable principles across SSA



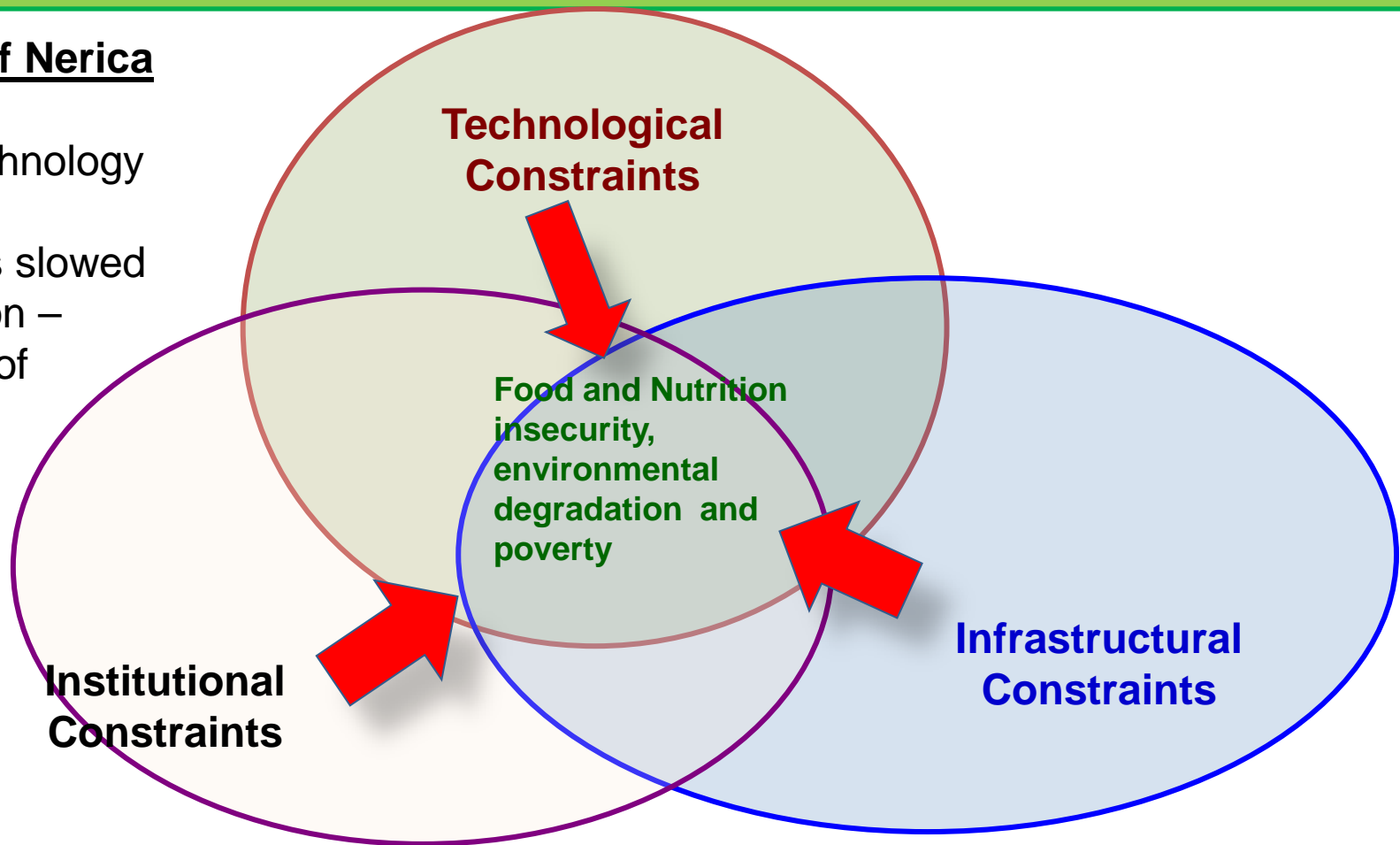
IAR4D - Participation and Gainful Interaction



Categories of problems faced by small farmers in Africa

Example of Nerica

- Good technology
- Spread is slowed down by non – availability of seeds



Governance as an overarching factor

Members of the platform:

- **Aided by stakeholder analysis**
 - Farmers
 - Seed merchants
 - Fertilizer dealers
 - Agrochemical dealers
 - Transporters
 - Agricultural Advisory Services
 - Standard organizations, Metereology
- **Other stakeholders** - Government, Researchers (seven thematic areas recommended)

From Outputs to Impacts - Innovation Platforms

Innovative Partnerships

•Research Themes

Productivity

Natural
Resource
management

Market

Policy

Product
Development

Nutrition

•Gender

Technological
Innovations

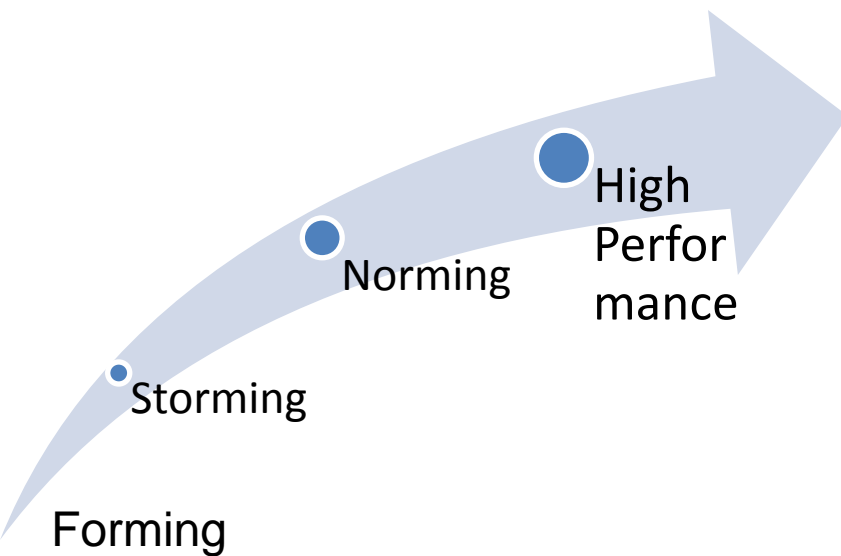
Institutional
Innovations

Infrastructural
Innovations

Socio-economic Benefits

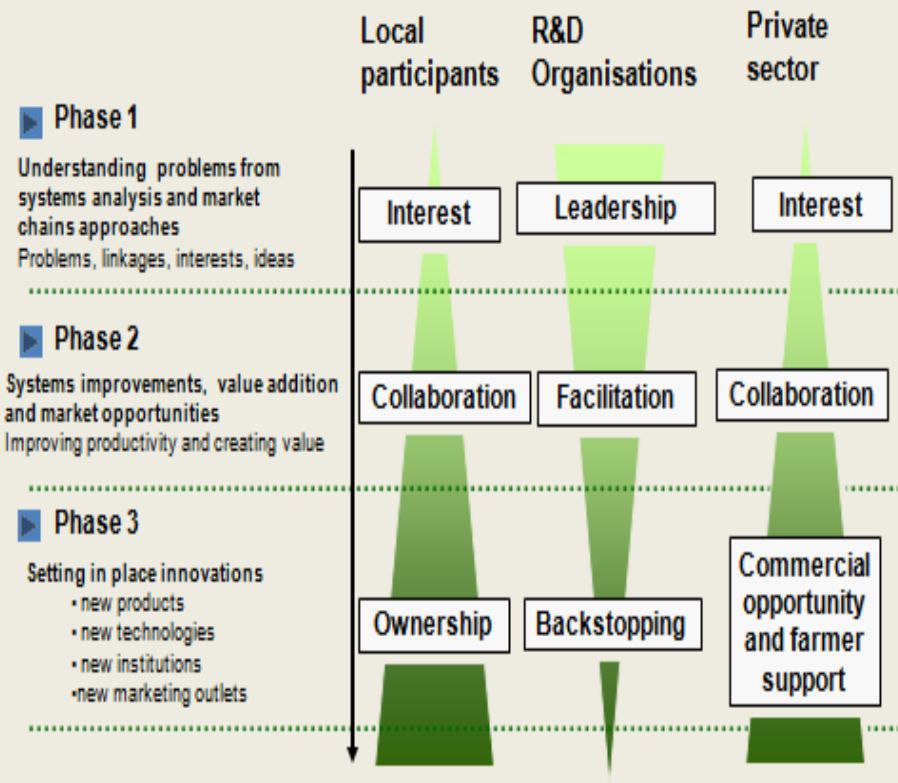


IP Trajectory



IPs typically move from **Forming** to **Storming** to **Norming** usually before getting to the phase of **high performance**

Phased IP Process Approach



Up-scaling and out scaling

Up-scaling and Extrapolation

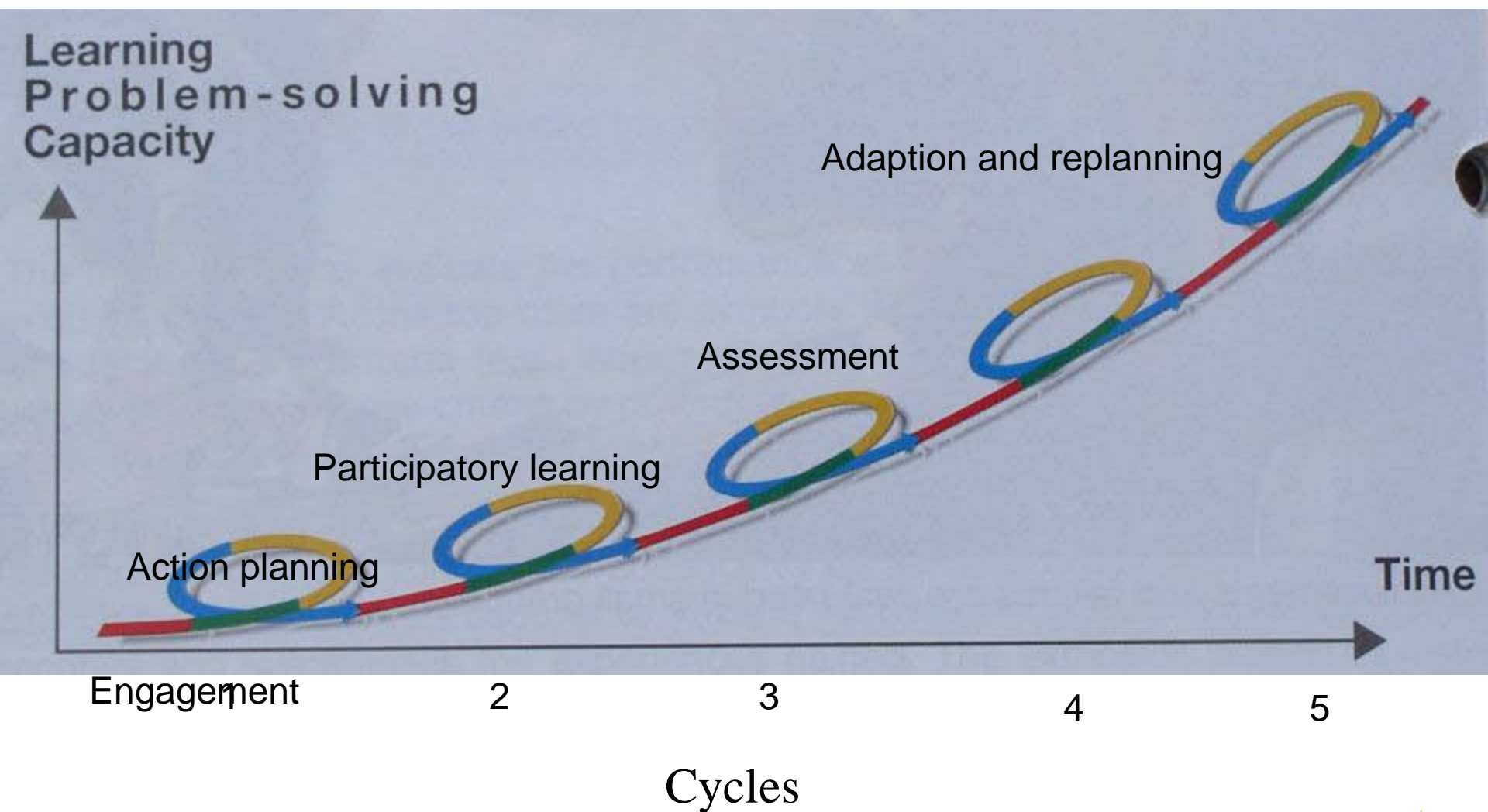
Similar environment

Transfer and Out Scaling

Different environment



Integrating Research with development: Experiences from the SSA CP



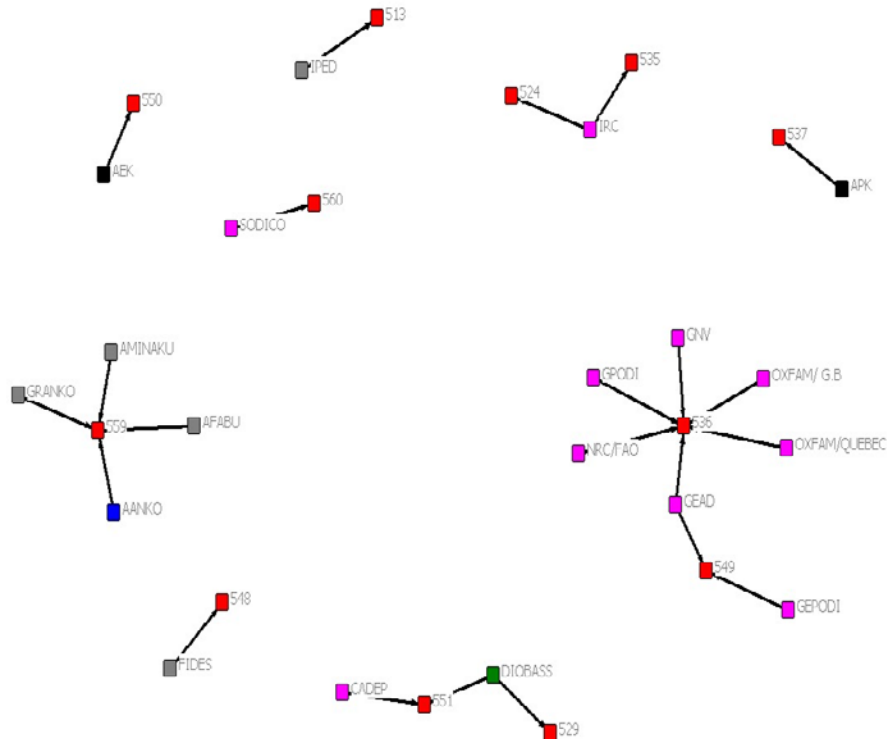
Examples from Gataraga in Rwanda

- **Innovation Platform** - Researchers, Extension Services, Inputs dealers, Transporters, Government, Bank, Farmers - men and women
- Major Problems faced by farmers include:
 - Low yielding varieties
 - Farmers mix varieties on the field
 - No good post harvest handling
 - No market and
 - No road

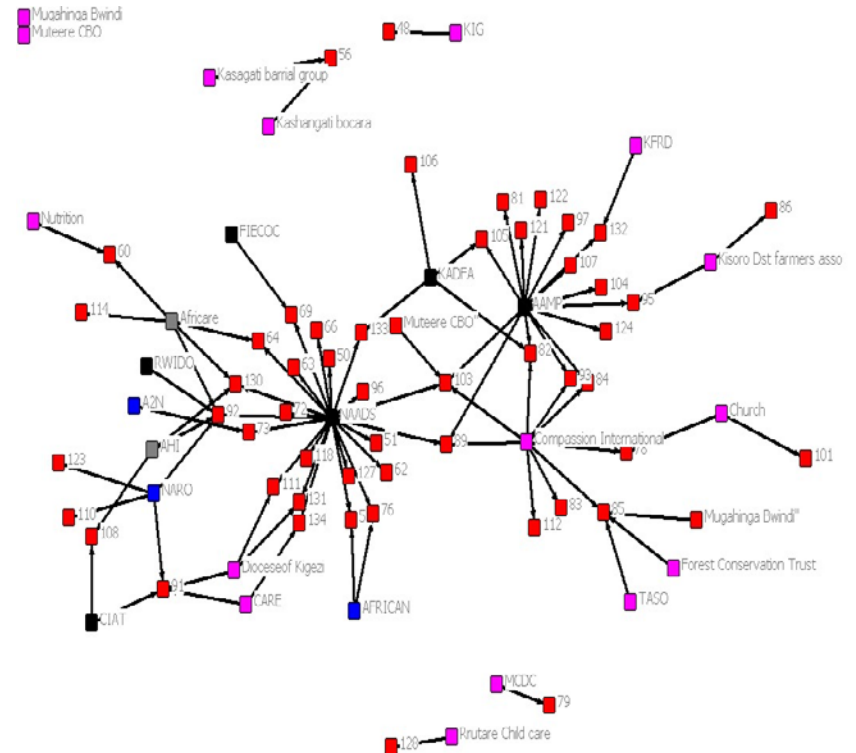
Mixture of technological , institutional and infrastructural

Increasing Interaction on the IP

IP near Bvumbe



Counterfactual



IAR4D village

Examples of benefits from Rwanda



Basic Problem



Technological option

Institutional Solution



Socio economic benefits



Benefits from the platform

Inputs

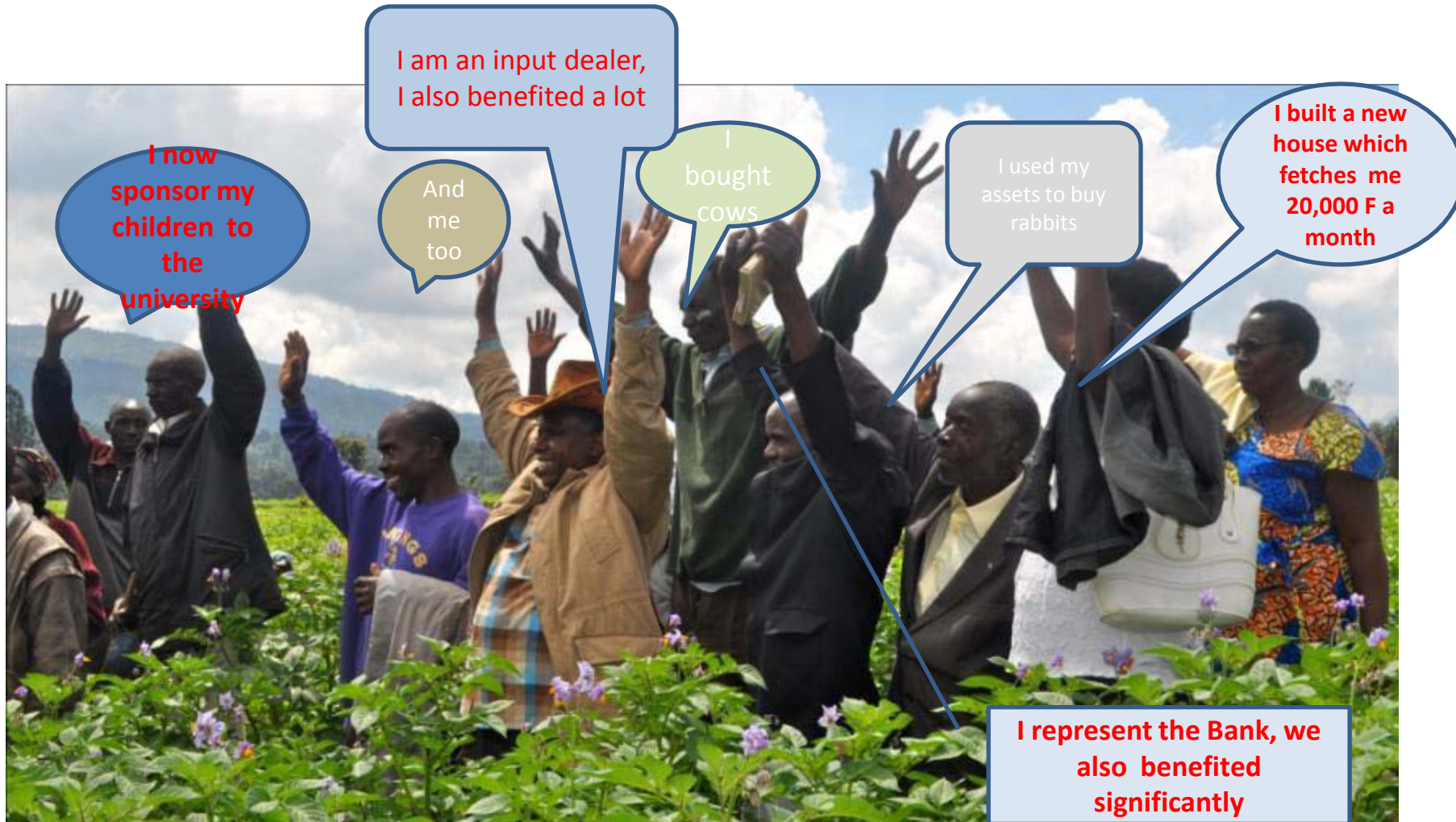
- Interaction and Joint learning
- Good access to information
- Good access to inputs
- Good capacity building



Outputs, and Outcomes and Impact

- Significantly higher yields
- Good market linkages
- Good prices
- Increased incomes
- Increased impact

The partners spoke out



Impact coming already

I have a car and ten jobs have been created I am building a modern washing bay



Success story.... Uganda



**Mamera now in the
supermarket More
income, more jobs, nutrition**

Mamera

- Product of indigenous knowledge strengthened with modern science and contributions from the University of Makerere
- willing entrepreneurs
- Producers looking for market
- Input dealers looking for market
- Cooperation of Policy makers and extension
- Stanbic Bank
- Win-Win Partnerships

Success story.... DRC



Kasiksi & Mutobe

- **Product of indigenous knowledge strengthened with modern science and contributions from the University of Goma, DRC**
- willing entrepreneurs
- **Producers looking for market**
- **Input dealers looking for market**
- **Cooperation of Policy makers and extension**
- Mecrego Micro-finance
- **Win-Win Partnerships**

IAR4D creating wealth for vegetable farmers



Bvumve Platform In Malawi



Examples from the life of John

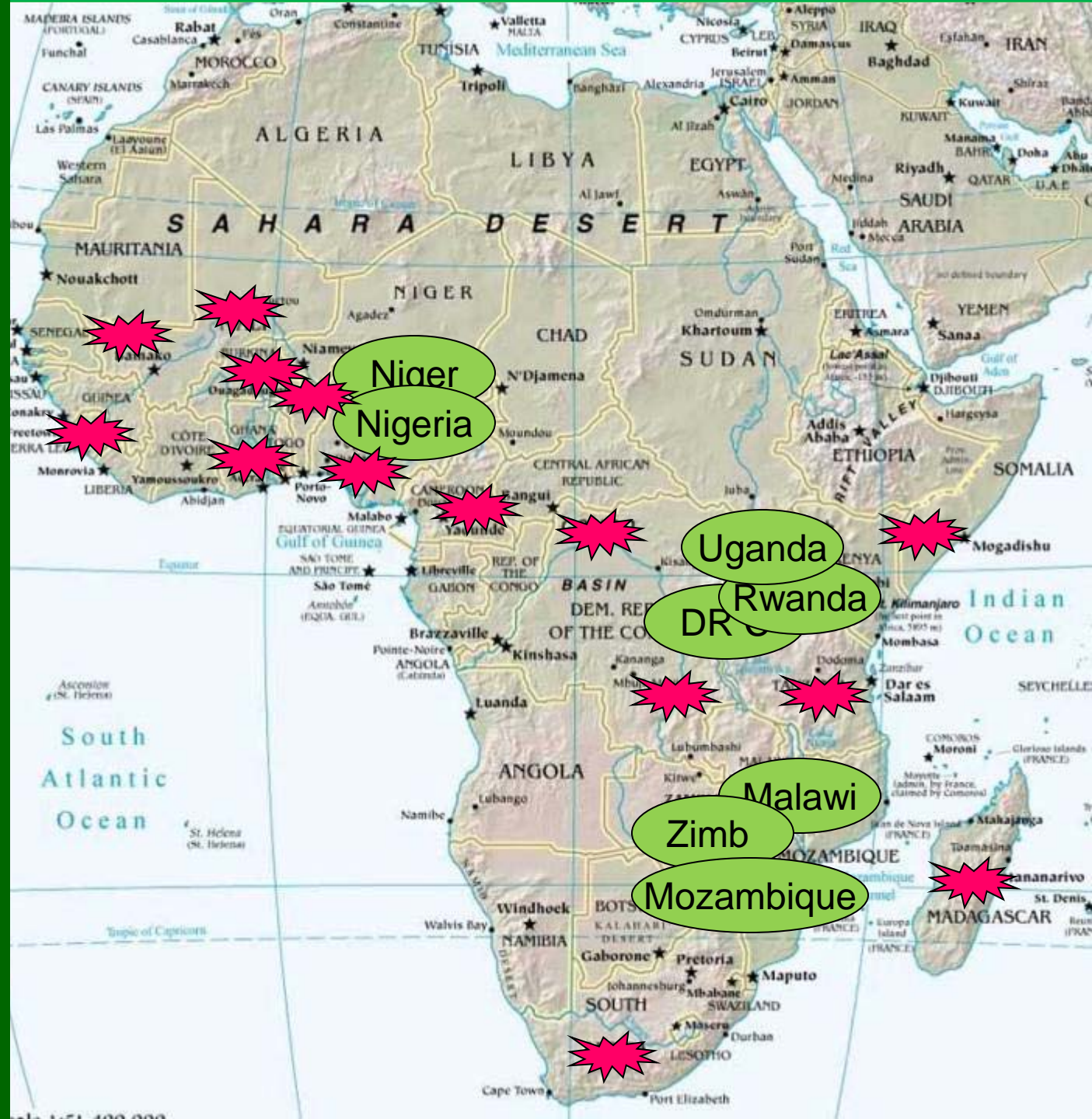


Meeting old and new challenges



*The world
has started
to listen to
us*

*IAR4D is
spreading
In various
Countries*



Some challenges

Working together is good but difficult to broker.

- Complexities emerging from different world outlooks and modes of operation
- Sometimes complexity with languages
- Complexities with bureaucracy
- Issue of distance

Conclusion

- **Promoting impact of research requires that we complement technological options with appropriate institutional and infrastructural solutions**
- **This demands innovative partnerships**
- **Innovation Platforms provide an example of forum for Innovative Partnerships**
- **The work in SSA CP has shown that increasing impact is possible if we continue to be innovative in setting up appropriate partnerships**
- **CRP 1.2 will build on the success of SSA CP and other programs in the region to reach a wide range of partners to contribute to reduction of food and nutritional insecurity, reduction of environmental degradation, reduction of poverty and to economic development**



Forum for Agricultural Research in Africa

Thank you for the attention

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