

Building from Demand: Reshaping Tomorrow's Agriculture Today



The Global Forum on Agricultural Research

We can't go on as we are...



FAO 2050 Summit:

- Doubling of demand for food fuel and fibre by 2050, rural depopulation, fall in agricultural investment
- Most think we have the means to feed the world by 2050
- ***Great majority don't feel we will apply these ideas: lack of commitment of governments & institutions***

WDR:

Urgent need to increase productivity and for a systems approach to innovation

IAASTD:

Current agricultural practices are unsustainable, research hasn't successfully benefited the rural poor

***Needs a particular focus on small farmers
and transforming rhetoric into action...***

Agriculture is complex & multifunctional...

Environmental sustainability:

productivity of natural resources enhanced & conserved for future generations

Economic sustainability:

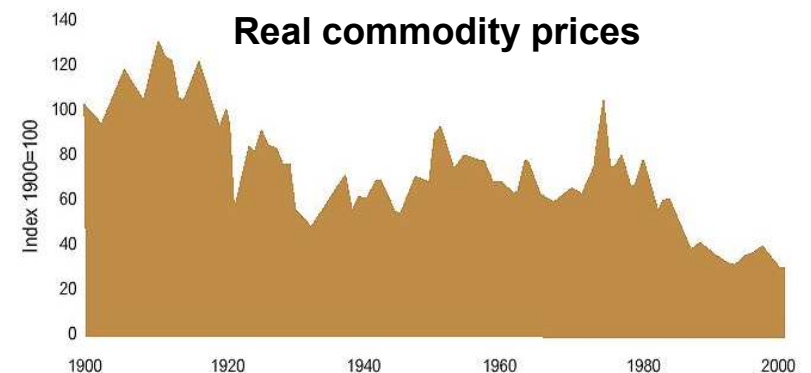
economic welfare & returns sustained or increased

Social sustainability:

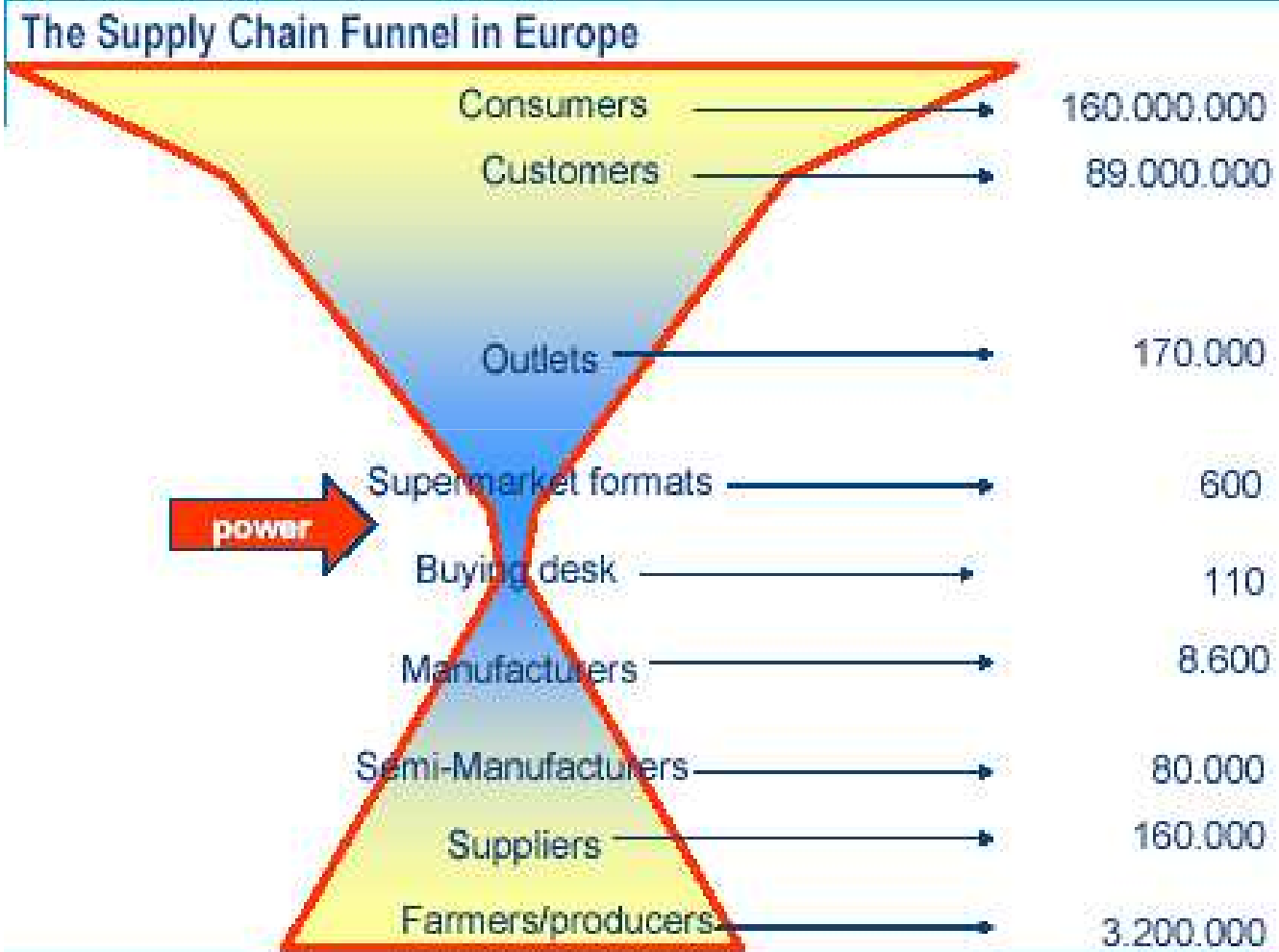
social exclusion minimized & social equity maximized

Institutional sustainability:

societal structures & processes able to deliver above aims



Power shifts



Source: J-PGrievink, Cap Gemini, OECD 2003

Thanks to Geoff Tansey & Tim Lang

Tackling the elephant in the room

Generating and applying knowledge is critical to meeting the huge global challenges facing agriculture



But...

- Why hasn't existing knowledge better benefited the poor?
- Why have many apparently effective ideas & technologies not been adopted?
- Why doesn't society better value agricultural innovation?
- Even in the USA it averages 25 years for new research to reach full adoption!

Science *serv*ing Society

- Scientific knowledge is reductionist, trusted & validated by its method
- Local knowledge is holistic, trusted & validated by experience & culture
- Need to link & reconcile these knowledge & trust bases
- Sustainable development must value & capitalize on both



What constrains these interactions?



- Control
- Awareness
- Media
- Accessibility
- Reductionism/complexity
- Intelligibility & format
- Relevance
- Institutional barriers
- Belief systems
- Attitude to change

FAO 2050: current institutions and systems are not capable of meeting these complex needs

A revolution is needed in the generation and use of agricultural knowledge *for Development* in national & international systems:

- Reorientation
- Poverty focus
- Integration
- Capacities
- Thinking & behaviour
- Investment



GFAR: the catalyst to spark the revolution...

***G8 L'Aquila Statement on
Food Security 2009:***

“We support the fundamental reform processes underway in the global agricultural research system through the Global Forum on Agricultural Research”

The Global Forum: We are You

A collective movement for change driven by:

- AARINENA and other Regional Fora of National Agricultural Research & Extension Systems
- Farmer organizations
- NGOs
- Private Sector suppliers, small enterprises
- International agricultural research
- Multilateral organizations
- Donors

and implemented *by all*

Global Forum: Strategic Objectives

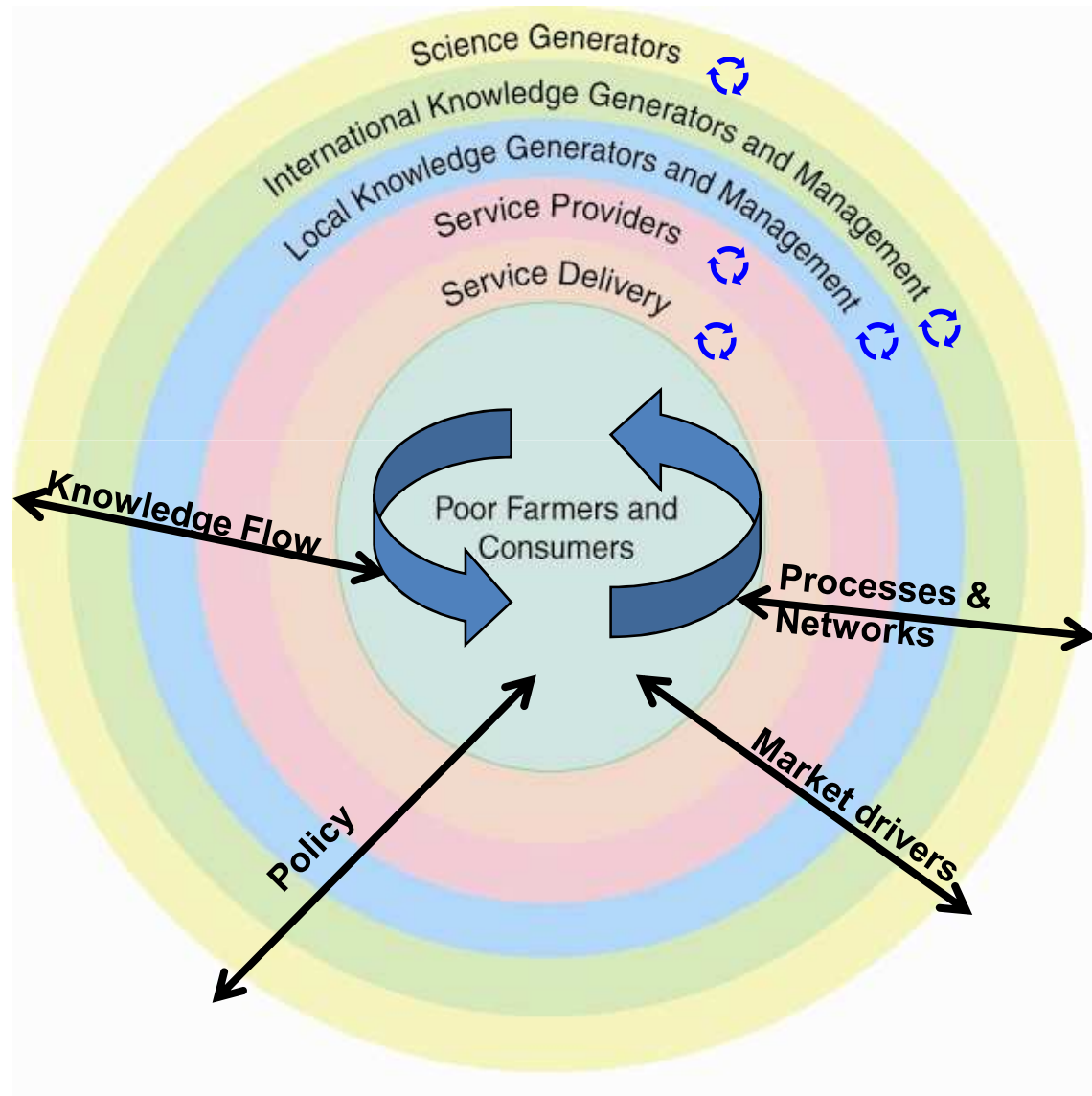
- 1. Advocacy for change**
- 2. Institutions for the Future**
- 3. Inter-regional learning for global impact**
- 4. Putting knowledge to use**

GCARD 2010

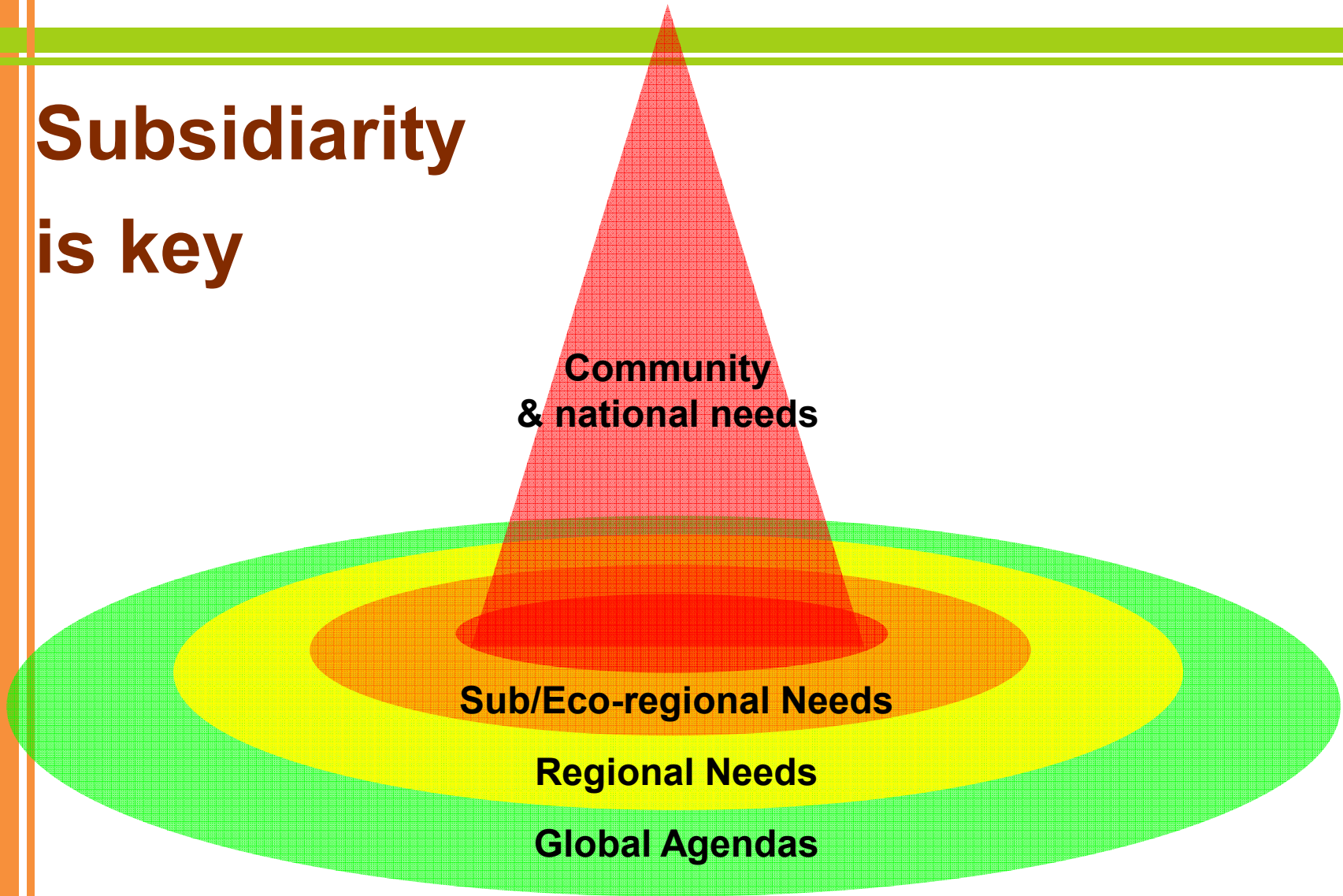
- The Global Conference on Agricultural Research for Development.
- To be held in Montpellier, France 28-31 March, 2010.
- A process of real engagement, not just a conference...



Changing National AR4D Systems Globally

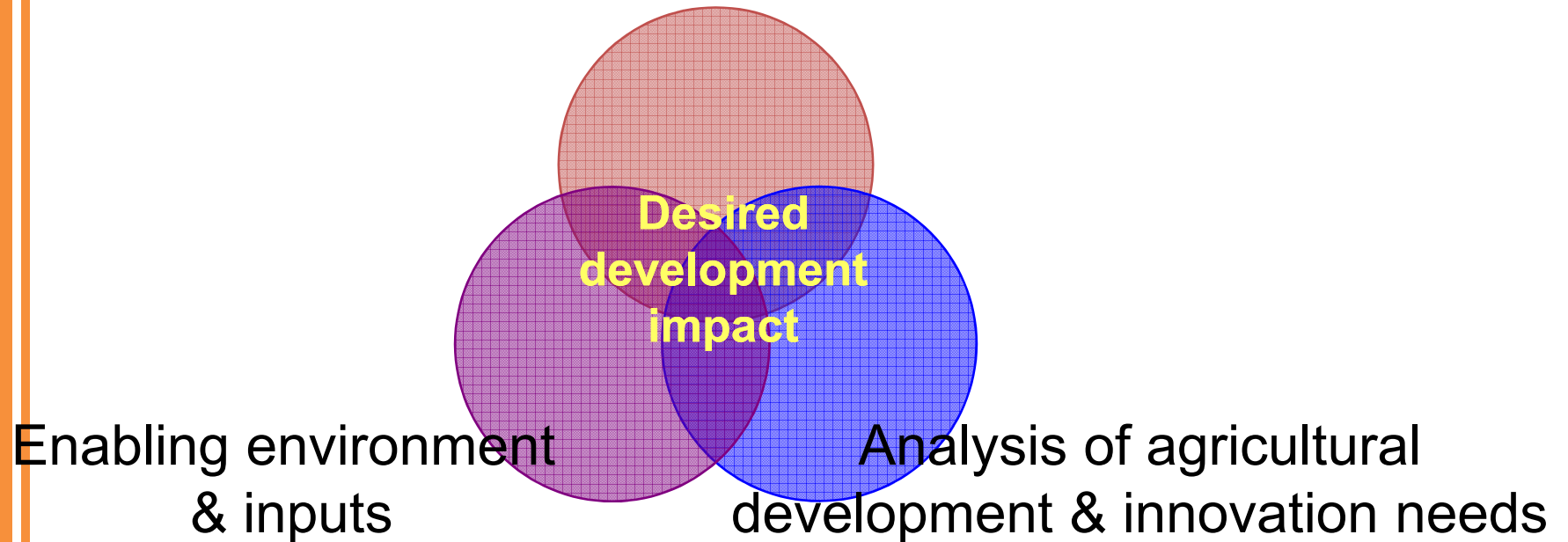


**Subsidiarity
is key**

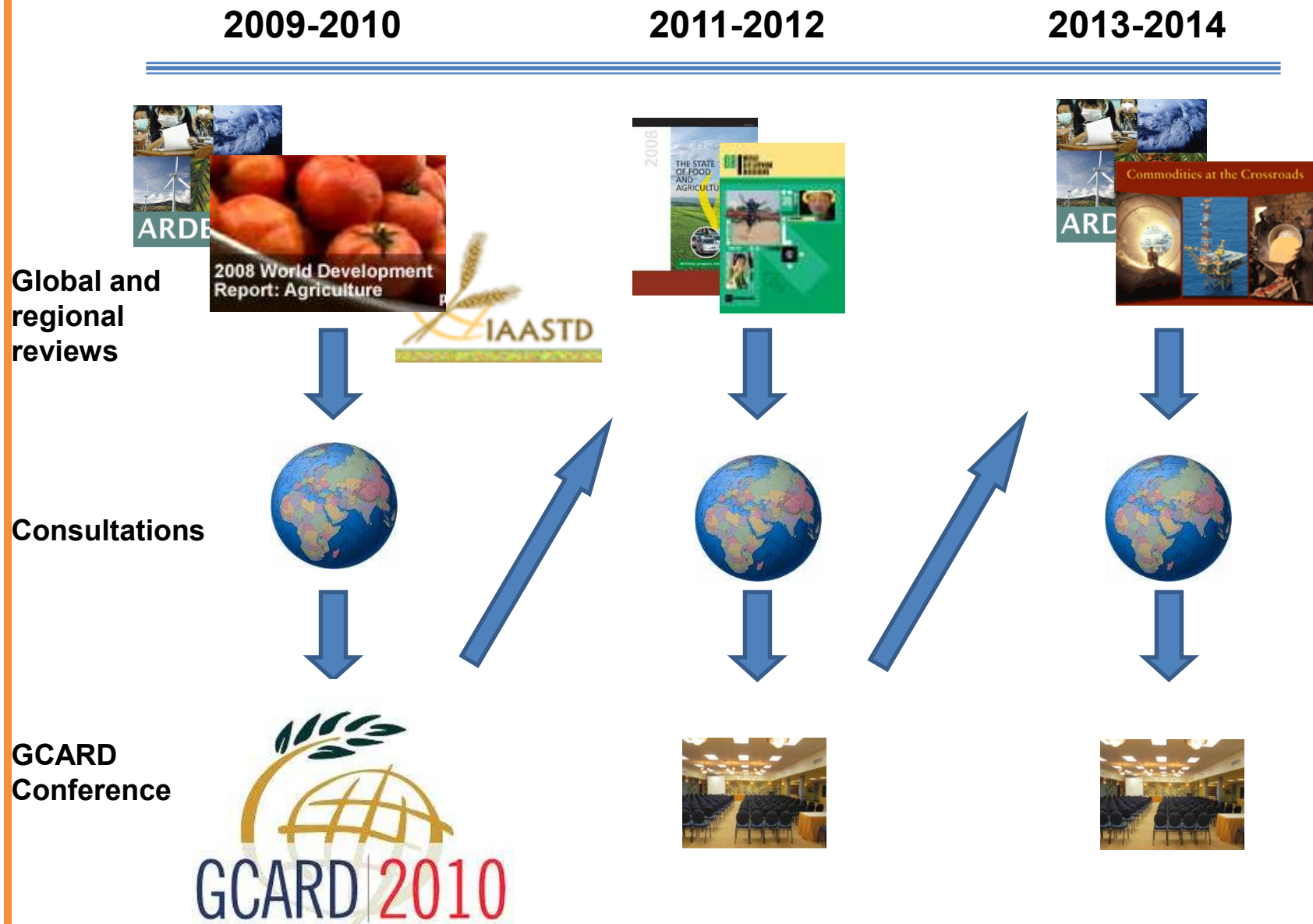


GCARD: Towards strategic AR4D systems around the world

Innovation pathways



The GCARD process: learning and feedback over a six-year cycle



The GCARD in relation to the CGIAR Reforms

- Aligns CGIAR's research towards national and global development goals
- Increases speed and scale of development impact from CGIAR investments
- Clarifies CGIAR's most valuable niche in the ARD system & partnership opportunities
- Brings open public accountability of the CGIAR's programmes to intended end-users and beneficiaries

CHANGING FOR GREATER IMPACT

TRANSFORMATION OF THE CGIAR

A Linear World View



A Networked World View

Thinking For



Thinking With

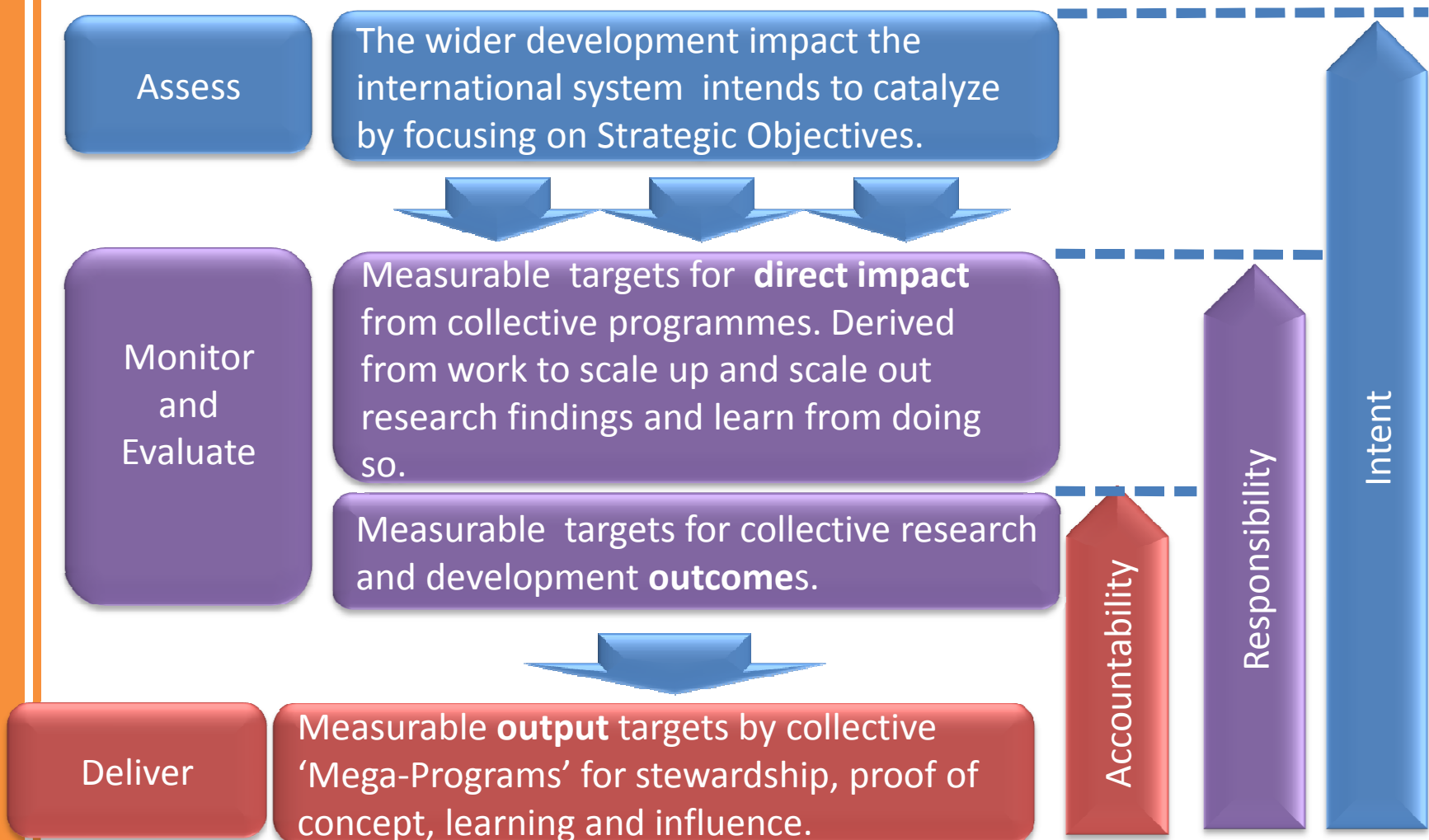
Developing
Technologies



Technologies plus.....

Evolving Role, Changing Culture

CGIAR Results-Based Framework concept

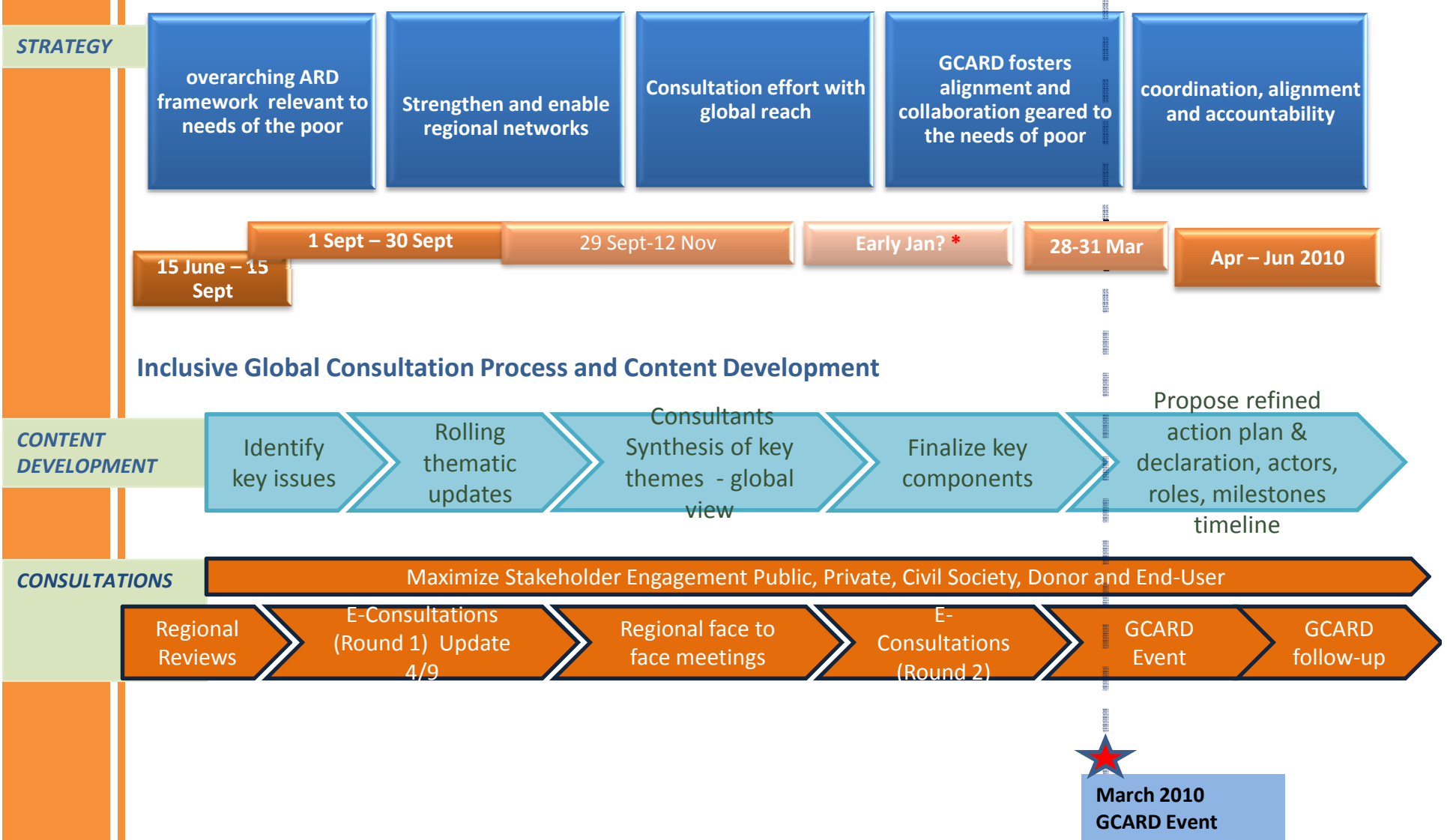


The GCARD and WANA region

- Enables identification of key development demands where research may best play a role
- Integrates perspectives of science and society to highlight key needs of the poor and disadvantaged
- Establishes key areas where capacities and investments are required to empower change through knowledge
- Sets out pathways for collective action towards common development objectives
- Stronger and more effective national systems (public, private & civil) delivering greater development IMPACT

GCARD Development: Strategy and Process

GCARD Process Strategy and Timeline



Framing the Consultations

- What are the needs and priorities for agricultural research in delivering defined development impacts?
- What mechanisms and partnerships are required in innovation pathways turning research into development impacts at scale?
- What are the key blockages, barriers and bottlenecks that prevent research from benefiting the poor?
- How best should these be resolved and what enabling investments, policies and capacities are most needed?

Reshaping AR4D - Associated actions

- **Changing research funding norms: learn from innovative mechanisms linking research with development processes**
- **Highlight the role of women in research and of research to benefit women farmers**
- **Revitalizing research - re-examine education priorities, career incentives and **value systems** in research & extension**
- **S-S learning: examine the implications of fast-growing economies (BRICS etc) as technology providers**
- **Revitalizing advisory services through collective advocacy and knowledge sharing**
- **Steer & influence CGIAR change to deliver real development outcomes through partners**

What are people saying so far?

- E-consultation Africa: "I think this forum is one of the best things that has happened to Agricultural Research in Africa in recent times."
- LAC F2F consultation: "La mayoría de los pequeños agricultores no están insertos dentro de los sistemas de innovación"
- "The present system is with a faulty assumption that everything done in agric. research centers is for the benefits of the poor"
- "The Agri. sciences have become talent-starved & many universities in Asia do not get many talented students for Masters and PhD programs."
- "Adoption of agri technology depends not only on science & technology, but also on underlying social, policies, and institutional settings."

**Capacity
building**

**Land, Water, Water
Management**

**Food supply,
Markets and Access**

**Indigenous Knowledge
& Innovation**

**Managing Risk,
Vulnerability**

AFRICAN FARMERS ORGANIZATIONS DECLARATION



- **RECOGNIZE** the importance of Agricultural Research and Development to farmers in Africa
- **RECOGNIZE and APPRECIATE** that CAADP is the main framework for agricultural development in Africa
- **ACKNOWLEDGE** the inclusion of Farmer organizations in the structures of research institutions from the national; sub-regional and FARA level
- **RE-AFFIRM** the central position of farmer and farmer organizations in making research work successful



Objectives of GCARD process

- Align research with development needs of the resource-poor
- Advocate for more effective financial support and required capacities in AR4D
- Dialogue between stakeholders on innovation pathways - increase speed and scale of impact
- Ensure the international agricultural research system adds value to national systems via demand- driven processes
- **Wider accountability of research to intended end-users and beneficiaries**
- **Produces an Action Plan for change in AR4D systems globally and a Declaration of expected norms in AR4D operation**



Thank You

<http://www.gcard2010.net>