



Capacity Development in ARD: critical issues for the G20

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- ❑ Challenges and opportunities
 - ❑ Europe's contribution to capacity development for ARD
 - ❑ Key issues for the G20
 - ❑ Recommendations



Challenges and opportunities

Challenges: historical overview

- ❑ Perception of limited impact of Agricultural Research for Development (ARD) and capacity development?
- ❑ Failure to modernise ARD approaches
- ❑ Decline in support to agricultural education and training
- ❑ Difficulty of HEIs/research and advisory services to follow rapid societal changes (private sector initiatives; greater roles for farmers organisations, decline of public extension).

Constraints in Higher Education

- Ageing staff
- Low numbers of female staff and students
- Inadequate facilities
- Poor retention rates of good younger staff
- Narrow focus of reward system (publish or perish)
- Limited time spent on research and outreach

Also applies to agricultural research institutes

Constraints in more downstream areas of capacity development

Substantial declines in:

- Vocational training
- Capacity of public extension and advisory services

The result is a disconnect between the needs on the ground and the available manpower and skills

Opportunities

- Increased awareness among donors of the need for enhanced CD
- Increased commitments by developing country governments (e.g. CAADP process in Africa)
- Global Conferences on ARD: GCARD 'roadmap'
- Conference on Higher Education in Agriculture in Kampala in November 2010:
 - Partnerships (including N-S; S-S)
 - Gender
 - Skills which meet the needs of employers

Europe's contribution to capacity development for ARD

European investments in ARD

- Donor support to ARD in sub-Saharan Africa - €470m
- **Contribution of Europe - €163m**

Source: Philippe Petithuegenin (2011)

Current review for the European Initiative for Agricultural Research for Development indicates that there is scope for "*better harmonization and coordination of efforts*"



Joining forces for agricultural knowledge for development

□ Agrinatura was created in 2009 by NATURA and ECART



- 2000 researchers
- 35 member organisations
- 18 countries

Educational programmes at the Individual Level

“Agricultural Transformation by Innovation”



Doctoral Programme:

University of Copenhagen, Denmark

**Universidad Politecnica de Madrid,
Spain**

Montpellier Supagro, France

University College of Cork, Ireland

**Universita Degli Studi di Catania,
Italy**

**Wageningen University, The
Netherlands**

**With partners in Africa, Latin
America and Asia**

Holistic approaches to organizational level development

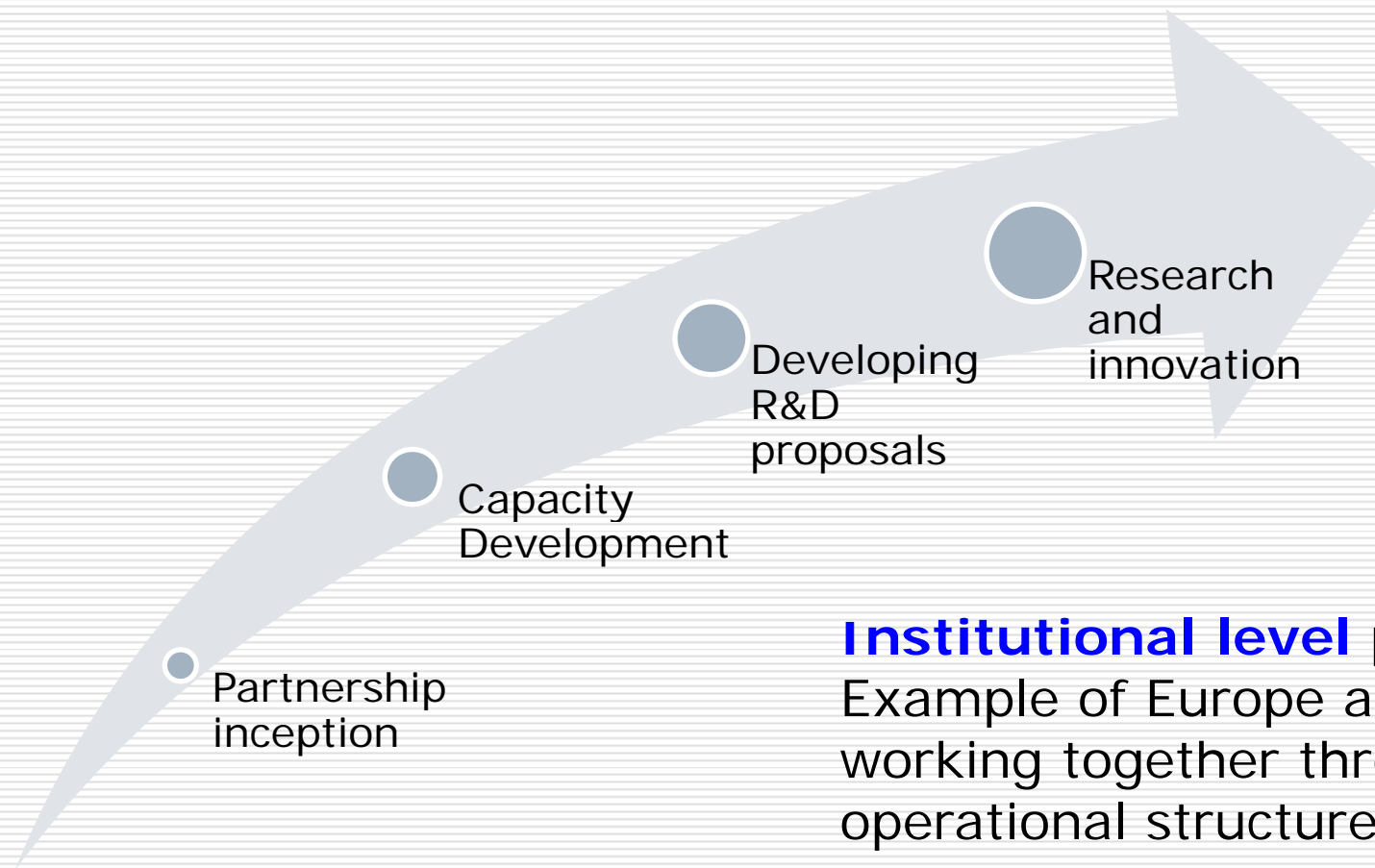


DFID-funded FARA-led initiative supported by NRI on “Strengthening capacity for agricultural research for development in Africa” (SCARDA)

- Institutional analysis
- Change management
- Mentoring
- Individual training
- Organizational learning



The African European Platform on Agricultural Research for Development (PAEPARD II)



Empowering Smallholder Farmers in Markets

ESFIM

"Farmers organizations and researchers in a strategic partnership"



**ESFIM and the challenges
of "Making markets work
for the poor"**

IFAD-funded initiative:
Developing capacities
of farmers
organisations to
produce evidence to
influence national
policies in the context
of improving marketing
of produce

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5

I could do with being able to say a little about this....

which countries - what impact?

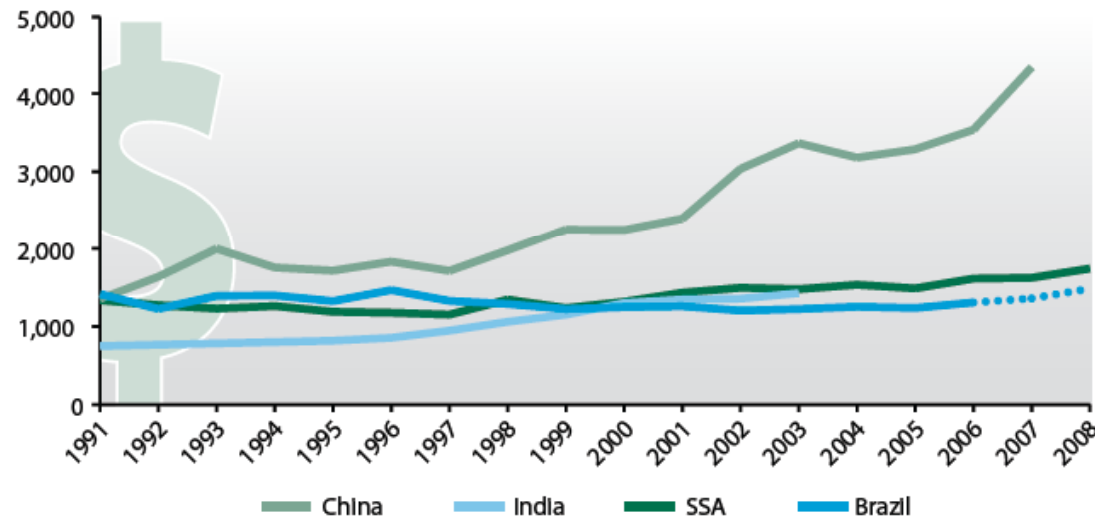
Andrew Westby; 10/09/2011



Key issues for the G20

Need sufficient investment in ARD and proportionally capacity building

Total spending
(million 2005 PPP dollars)



FTE researchers

China (2007)	na
India (2003)	16,703 FTEs
SSA (2008)	12,120 FTEs
Brazil (2006)	5,376 FTEs

Public expenditure in ARD in sub-Saharan Africa and selected 'BRICS' countries

Source: Beintema & Stads (2011)

High returns on investment in capacity development can be generated

ACIAR funding for pigeon pea breeding in India

Net present value of the capacity development component of the research was \$67.6 million.

Benefit:cost ratio of 28:1

Internal rate of return of 23%. This was around 50% of the total benefits to the research activity.

The need for 'Knowledge intensive' development

To meet:

- ❑ Complex issues such as climate change adaptation, responding to the 'global food price crisis', and trans-boundary diseases
- ❑ New ways of working, especially in engaging with farmers and their organisations; civil society and the private sector

Need for a co-ordinated approach

- Partnerships (build existing and develop new)
- Need for joint projects in Africa, Asia and Latin America for developing innovative curricula, working with “real world”
- New coordination mechanisms such as:
Mechanism for Tertiary education for agriculture (TEAM) which would coordinate capacity development efforts under CAADP Pillar 4 in Africa.

Other issues

- ❑ Different levels (from farmers, vocational, researchers to MPs; individual; organisational & institutional levels)
- ❑ Initiatives to engage different partners in an innovation system (e.g. PAEPARD)
- ❑ Technology, policy, organisational and social innovations
- ❑ Importance of long term support
- ❑ Linkages between ARD initiatives and CD
- ❑ Innovation in capacity building (e.g. e-learning)
- ❑ Importance of CD at different stages in the careers (life long learning)



Recommendations

Recommendations (1)

- ❑ Greater investment in CD to ensure impact from increased support to ARD
- ❑ Closer harmonization of donor policies and programmes
- ❑ Support to CAADP investment plans in Africa (national level)
- ❑ Participation in coordination mechanism for capacity development (regional level); important to build on existing initiatives
- ❑ Learning to develop best practice
- ❑ Partnership (S-S; N-S

Recommendations (2)

Greater support for:

- Modernising curricula and teaching & learning approaches
- Building national capacity for CD
- Increasing linkages with the “real world”
- Vocational training
- Advisory services
- Efforts to recruit/train women and promote gender friendly working conditions
- Women to enter and progress through higher learning in science and agriculture



Thank for Your attention

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