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INTERNATIONAL TREATY ON PLANT GENETIC RESOURCES
FOR FOOD AND AGRICULTURE
Platform for the co-development and transfer of technologies

Platform for the co-development and transfer of technologies THIRD MEETING

Rome, Italy, 7 September 2015

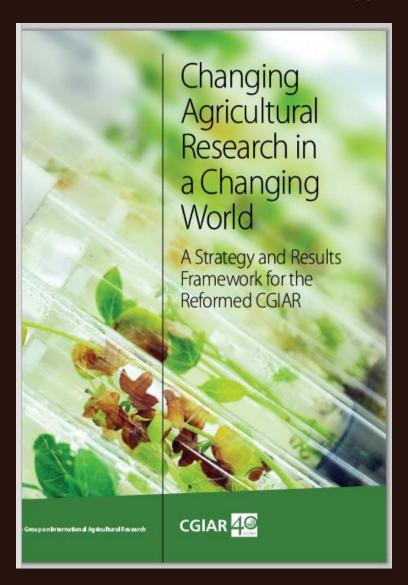




Content of this presentation

- I. The CGIAR Strategy and Resource Framework
- 2. Highlights of recent technology generation and transfer efforts
 - Information and tools for assessment of local needs
 - 2. Innovation platforms
 - 3. Pre-breeding technologies and data
 - 4. Genetic improvement
 - Methods and technologies for variety selection and seed production
 - 3. CGIAR participation in projects of the BSF

I. Redefining how CGIAR does business to 2030: The CGIAR strategy and results framework





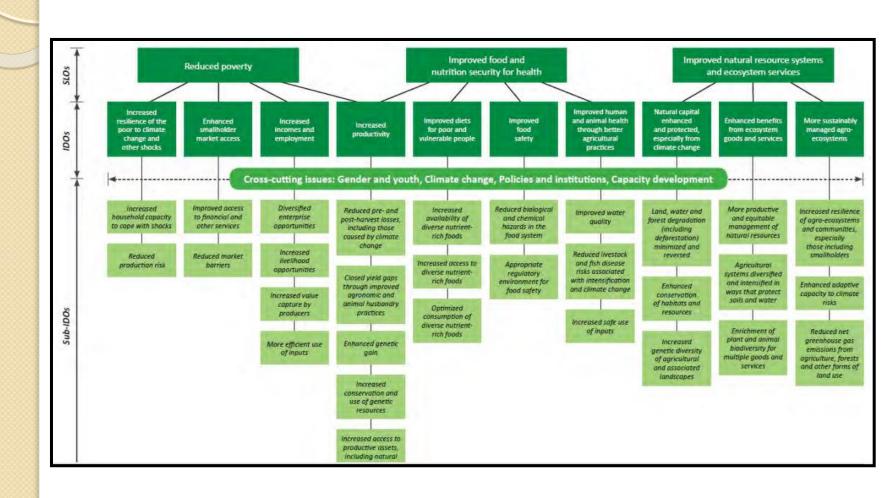
APPROVED BY THE CONSORTIUM BOARD 11 MAY 2015

CGIAR Strategy and Results Framework 2016–2030

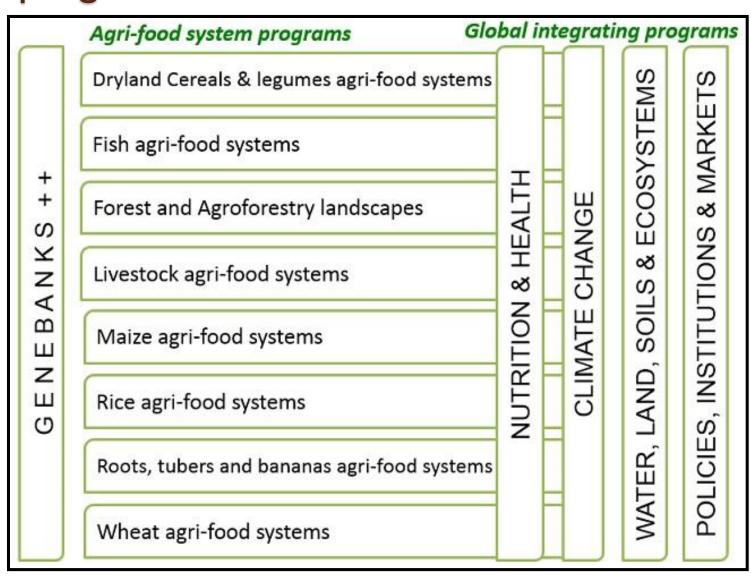
Version, 18 May 2015



CGIAR results framework



New portfolio of CGIAR research programmes



Relevant aspects of the new CGIAR strategy in relation to technology development and transfer

- Exploring and exploiting opportunities offered by new technologies
- Widening partnerships and coalitions, including private-public partnerships
- Putting more emphasis on PGRFA conservation and use

CGIAR traditional roles in tech development and transfer that will continue to be strengthened under the new framework

- Developing research capacities
- Generating global public technologies and making data publicly available
- Convening partners, brokering research, mobilizing expertise
- Informing global debates on sustainable food systems, climate smart agriculture and genetic resources

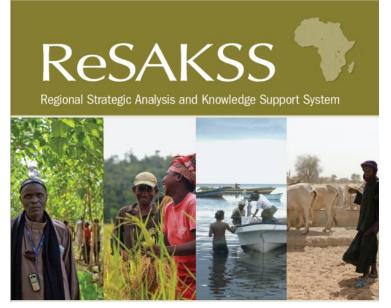
2. Highlights of recent technology generation and transfer efforts



Assessment of local needs

- Improving analytical capabilities for defining research and development priorities at local and national levels
- Making available models and data sets for informing decision making





Innovation platforms

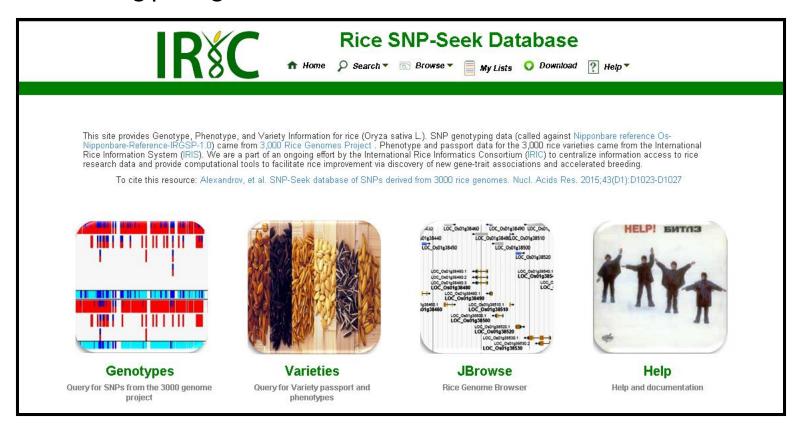
- Engaging local communities and research and development partners
- Strengthening innovative a adaptive capacities of local communities





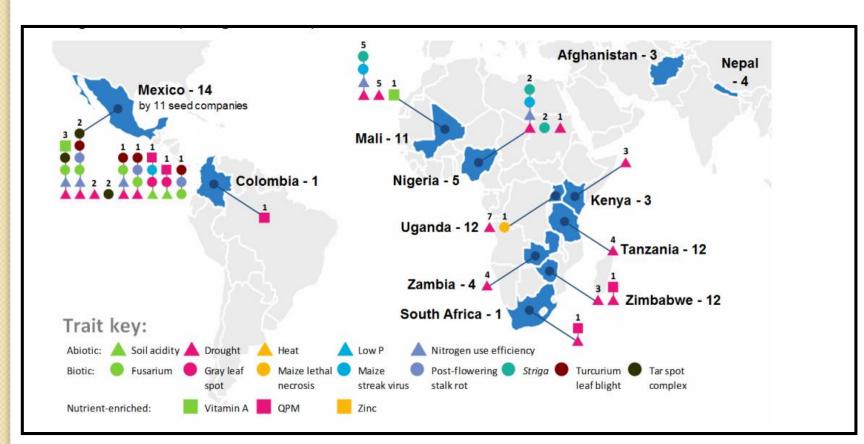
Pre-breeding

- Enhancing phenotypic characterization
- Genome sequencing
- Mining plant genetic resource collections



Plant genetic improvement

- Selecting, testing, helping release improved lines
- Building breeding capacities



Source: MAIZE programme annual report, 2014

Variety selection and seed production

- Citizen science for climate change adaptation
- Training on seed production
- Promotion of community-level initiatives for seed availability





3. CGIAR participation in the projects funded by the Treaty Benefit Sharing Fund



Funding Round / Window	Centre / Role	Project title	Countries involved and target crops
Round 3 W2: Immediate action projects	CIP (Coordinator)	Exchanging and developing biodiverse potato varieties in Peru, Nepal and Bhutan	Peru, Nepal, Bhutan Potato
	CIMMYT (Coordinator)	Improving food security by enhancing wheat production and its resilience to climate change through maintaining the diversity of currently grown landraces	Turkey, Afghanistan, Islamic Republic of Iran Wheat
Round 3 W3: Co- development and transfer of technologies	ICARDA (Coordinator)	An Integrated Approach to Identify and Characterize Climate Resilient Wheat for the West Asia and North Africa Region	Jordan, Egypt, Ethiopia and Sudan Wheat
	CIMMYT (Coordinator)	Addressing the challenges of climate change for sustainable food security through the creation and dissemination of an international database to promote the use of wheat genetic resources and increase genetic gains	Turkey, Iran and Morocco Wheat and wild relatives
	ICARDA (Coordinator)	In vitro culture and genomics-assisted fast track improvement of local landraces of wheat and barley for enhancing food security and adaptation to climate change	Morocco, Tunisia and Algeria Wheat and barley
	IRRI (Collaborator)	Co-Development and transfer of Rice	Indonesia, Malaysia, Lao PDR, Philippines Rice