

FAO and PGR information systems with special reference to the NISM-GPA and WISM-GPA

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 - Indicators and Reporting Format on the GPA
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Plant Genetic Resources and FAO

Enhanced Food Security

Global Policy and Planning

FAO Global Agricultural Statistics Database

National Agricultural Statistics

Global Policy and Planning

FAO Global Plant Genetic Resources Database

National Plant Genetic
Resources Information

Evolving system



Global Plan of Action

- NISM has been built in response to the Global Plan of Action.
- The Global Plan of Action has 4 sections and 20 areas
- In situ conservation and development
- Ex situ conservation
- Use of plant genetic resources
- Institution and capacity building



GPA- Section In situ conservation Areas

- Survey and inventory
- Supporting on farm management and improvement
- Assisting farmers in disaster situations to restore agricultural systems
- Promoting in situ conservation of wild crop relatives and wild plants for food production



GPA- Section Ex situ conservation **Areas**

- Sustaining existing ex situ collections
- Regenerating threatened ex situ accessions
- Supporting planned and targeted collecting
- Expanding ex situ conservation activities



GPASection Use of PGR Areas

- Expanding characterization and evaluation and core collections to facilitate use
- Increasing genetic enhancement and base-broadening efforts
- Promoting sustainable agriculture continued



GPASection Use of PGR (Areas continued)

- Promoting the development and commercialization of underutilized crops and species
- Supporting seed production and distribution
- Developing new markets for local varieties and diversity-rich products



GPASection Institution and capacity building

Areas

- Building strong national programs
- Promoting networks
- Constructing comprehensive information systems
- Developing monitoring and early warning systems
- Expanding and improving education and training
- Promoting public awareness

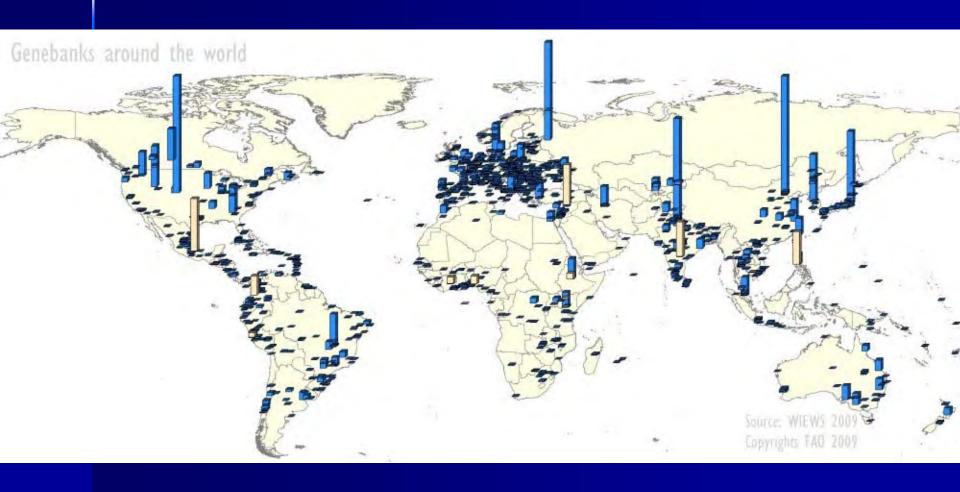


State of the World's PGR

- 1996 Leipzig, German
- 2009 Rome, Italy

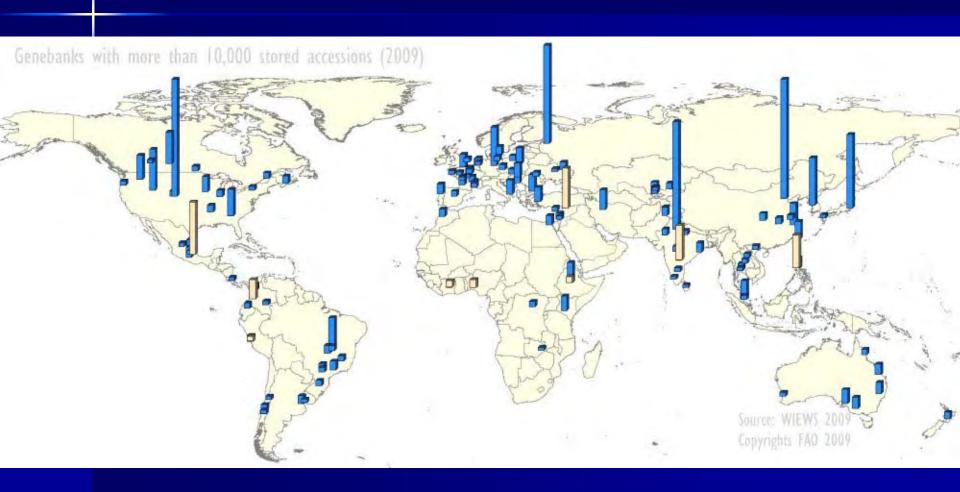


The Global Genebank System 1





The Global Genebank System 2





What is NISM-GPA?

A partnership of national stakeholders that contribute to the conservation and sustainable use of PGRFA that is built through:

Country-driven,
Participatory process
Capacity-building process



What are its purposes?

Two guiding principles:

(a) Ensure National Programmes benefit directly from NISM-GPA

(b) Ensure widest possible participation of National PGR Stakeholders



What are its purposes?

- Promote understanding of PGRFA status and dynamics
- Allow analysis of gaps + priorities
- Assist decision-making processes and planning of available resources
- Increase visibility of on-going efforts
- Store historical memory on PGRFA efforts
- Improve countries capacity to manage PGRFA info + to meet intl. reporting commitments

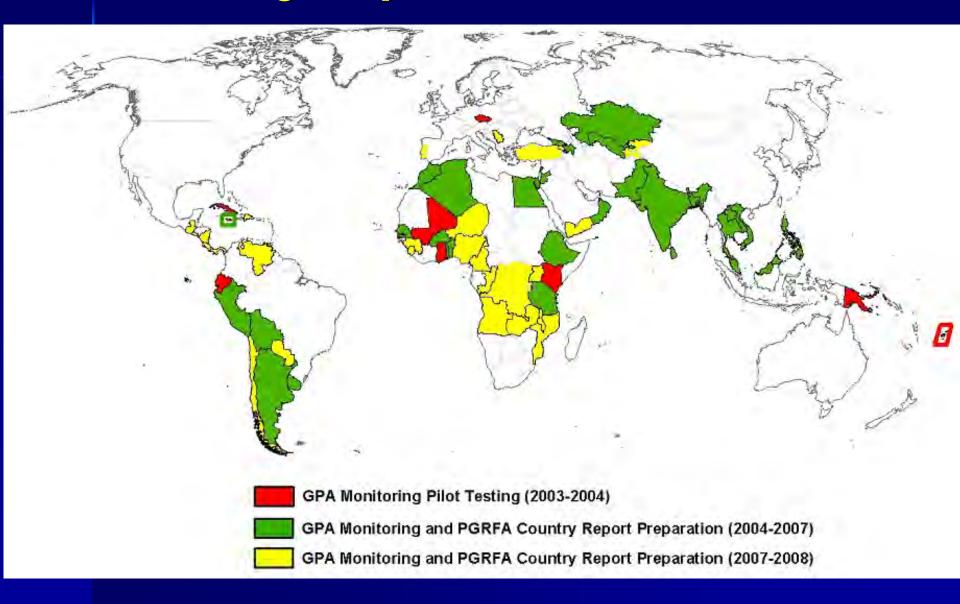


What are its outputs?

- A partnership among participating stakeholders
- A web portal
- A national database on PGRFA
- An updated assessment of the state of PGRFA conservation and use



Already implemented...where?





What kinds of information?

- ■a <u>list of indicators</u> for monitoring the implementation at country level of all priority activity areas of the *GPA*
- a <u>reporting format</u>, which is a structured questionnaire based on these indicators



What tools are available?

- <u>guidelines</u> for initiating and coordinating this process, for the involvement of stakeholders, for gathering and disseminating information and for the preparation of the national assessment;
- a computer application, developed to facilitate gathering, linking, sharing and analysis of the information addressed by the indicators and the questionnaire.



Commission on Genetic Resources for Food and Agriculture-10 (2004)

Recognized the importance of an efficient system for monitoring GPA implementation, in terms of <u>planning</u>, <u>priority-setting</u> and <u>achieving the mobilization of financial</u> <u>resources</u> to support national programmes.