

CGIAR Global Public Goods project - phase 2 (GPG2): overview and activities related to performance measurement



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**Collective Actions for the Rehabilitation of Global Public Goods in the CGIAR
Genetic Resources System: Phase 2 (GPG2)**

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- GPG Phase 1 - achievements
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- GPG2 activities with close links to performance measurement



Global Public Goods (GPG)

- 11 genebanks of the CGIAR Centres contain more than 650,000 samples of crops, forages and agroforestry species held in-trust
- Collections properly conserved, in the public domain and accessible to users (terms of agreement with IT-PGRFA)
- Knowledge and information is an important element of their global public goods status
- Global Public Goods Projects, funded by the World Bank, coordinated by the System-Wide Genetic Resources Programme (SGRP) of the CGIAR. Aim to:
 - Upgrade the CGIAR Centre genebanks and standards of management
 - Ensure efficiency and sustainability into the future
 - Facilitate access by users
 - Position Centres to play a leading role in building a comprehensive global system for conserving, managing and exchanging PGRFA



Collective Actions for the Rehabilitation of Global Public Goods in the CGIAR Genetic Resources System: Phase 2 (GPG2)

GPG - Phase 1 (2003-2006)

Phase I - Upgrading the Genebanks of the CGIAR

- improve storage, seed processing, regeneration, plant health and molecular identification facilities
- safety duplication of 190,000 accessions
- reduce backlogs of processing
- regeneration and plant health
- characterization of over 80,000 accessions
- hardware and software upgrades
- enhance SINGER functionality, and improved data quality



**Collective Actions for the Rehabilitation of Global Public Goods in the CGIAR
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GPG Phase 2 (2007-2009)

Phase 2: Collective Action for the Rehabilitation of Global Public Goods in the CGIAR Genetic Resources System

Overall scope broader than Phase 1, including:

- strategic planning for training national programme partners
- strategic planning for enhancing the CGIAR's capacity for genetic resources research
- optimizing the CGIAR Centres' contributions to work on the breadth of agrobiodiversity
- scoping studies on genetic and genomic collections, microbial, fungal, insect and nematode collections, and underutilized plant species
- analysis of the elements and functions of an integrated global system for crop genetic resources conservation and use with the CGIAR providing leadership, vision and skills to realize that vision



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GPG2 project - OUTPUTS

1. Uniform risk management procedures developed and implemented in all CGIAR genebanks;
2. Best practices for genebank management developed and implemented in the CGIAR Centres and made available to partners;
3. Unified protocols for locating and delivering germplasm, and for sharing information on common crops in place at all CGIAR genebanks;
4. Strategies and tools for enhancing knowledge on the diversity held in the in-trust collections;
5. Recommendations for the wider involvement of the CGIAR genebanks in addressing genetic and genomic stocks, associated biodiversity and underutilized species;
6. Mechanisms for improved collective action among the CGIAR genebanks in the delivery of global public goods and promotion of international collaboration on conservation.



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GPG2 Activity 6.4.2: Development and implementation of a performance measurement system for the CGIAR genebanks

Objectives to establish a system for measuring:

1. Performance in managing and delivering plant germplasm-based global public goods (security, quality and availability of the in-trust collections)
2. Contribution and support to the development and implementation of a global cooperative crop-based conservation and use system
3. Progress and impact of performance from providers, users, internal and external perspective

Expectations:

- System sustained beyond the project through incorporation of several key indicators into the CGIAR Performance Measurement system coordinated by the CGIAR Secretariat

Collaborators:

- All CGIAR genebank managers, ILAC, CAS-IP, IFPRI, Generation Challenge Programme, Consortium on Spatial Information, CGIAR Secretariat, Global Crop Diversity Trust, and other private and public genebanks



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Performance Measurement

Workplan – January 2007 to December 2009

- Develop a background paper
- Convene a workshop to develop indicators for performance measurement
- Conduct a baseline survey to assess user perspectives of quality and availability of materials and information
- Design a database management system and information collection templates
- Discuss the harmonization into the CGIAR Performance Measurement System
- Obtain annual performance measurement reports from each CGIAR genebank and analyze reports
- Conduct audit of the genebanks
- Carry out an end-of-project review of the performance measurement system's effectiveness
- Identify weaknesses that can be corrected before the system is institutionalized at the CGIAR level
- Make recommendations for improvements and sustainability



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Related GPG2 activities

The framework for assessing performance should also be employed in:

- 1.1: Development and implementation of risk-management procedures for individual genebanks and for collections in common
- 2.1: Consolidate, refine, disseminate and promote best management practices for collections, including germplasm health in storage
- 2.4: Develop and disseminate decision-support tools to enhance the cost-effectiveness of collection management
- 6.1.2: Promoting awareness and use of the in-trust collections in-trust collections to target user groups
- 6.1: Sustainability plan to support long-term impact
- 6.3: Strategic planning for enhancing human capacity within the CGIAR System and the wider plant genetic resources community

Other activity areas where synergies can be gained are:

- 2.2: Develop and implement inventory management systems for in-trust collections
- 3.1.2: Provide guidelines for the safe movement of crop germplasm
- 4.1: Assess knowledge and gaps in the diversity and genetic quality of the collections
- 6.4.1: Analysis of the elements and functions and promotion of an integrated global system.



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United for diversity

The System-wide Genetic Resources Programme (SGRP) of the Consultative Group on International Agricultural Research (CGIAR) unites the CGIAR's independent agricultural research Centres in a common effort to sustain biodiversity for current and future generations. The diversity embodied in plant, animal, forest and aquatic genetic resources supplies the building blocks for sustainable agriculture to fight poverty, bring health and food security, and protect the environment.

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The Global Public Goods Project to upgrade management of the in-trust collections

The in-trust collections hosted by the genebanks of the CGIAR Centres contain more than 650,000 samples of plant genetic resources of crops, forages and agroforestry species. The CGIAR Centres have placed their collections under the [International Treaty on Plant Genetic Resources for Food and Agriculture](#). Within the terms of their [agreements](#) with the Treaty, the Centres are responsible for ensuring that the collections are properly conserved in the public domain, and accessible to users in accordance with the Treaty's Multilateral System of Access and Benefit-sharing. Knowledge and information on the in-trust collections is an important element of their global public goods status.

The Project, implemented under the aegis of SGRP, is a comprehensive programme of work to upgrade the CGIAR Centre genebanks and the standards of management of the collections. This will ensure that the CGIAR Centres can meet their in-trust commitments, manage the collections efficiently and sustainably into the future, and facilitate access by users. Moreover, the Project will position the Centres to play a leading role in building a comprehensive global system for conserving, managing and exchanging plant genetic resources for food and agriculture.

Find out more about:

- ◆ [The origins of the Project](#)
- ◆ [Phase 1: Springboard for sustainability](#)
- ◆ [Phase 2: Consolidation, research and leadership](#)

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