Global Cassava Partnership for the 21st Century

GCP21

A Global Alliance For the Improvement of Cassava

Cassava Producing Countries

105 Countries

20% 50% 30%

Latin America Africa Asia

Cassava Producing Countries

Productivity

12 t/ha 10 t/ha 19 t/ha

Latin America Africa Asia

Cassava Producing Countries

Surfaces

3 MHa 12 MHa 3.5 MHa

Latin America Africa Asia

Cassava Productivity

Poverty

<10 t/ha

Africa

Food Security

>15 t/ha

Latin America

Surpluses

>20 t/ha

Asia
Cassava Productivity Increase

Cassava Production Mostly Due to Surfaces

African Food Productivity Potentials

What is the Role of GCP21

Develop a Global Vision for Cassava

What are the Actions for GCP21

- Identify R&D gaps in cassava productivity
- Invest Science and Technology in cassava
- Increase funding in cassava
- Develop information and communications

What is Essential for GCP21?

- To be The reference for cassava
- To be fully independent
- To be trusted by the cassava community and by the donors
GCP21: The Goals

- To increase cassava productivity in Africa and in the world
- To link end-users and cassava R&D
- To increase the use of cassava in the industry: Food and Feed

GCP21 Cassava Chain

- Scientists
- Developers
- Farmers
- Processors
- Consumers

What Are The Cassava Constraints?

- Cassava Productivity Potential > 80t/ha
- Agrodiversity, Agronomy, Diseases, Management, Processing
- Cassava Productivity in Africa < 10t/ha

What Are The Cassava Key Words?

- Plant Biology, Technology
- Genetics, Diseases,
- Cassava Value Chain

What Should GCP21 Do?

- Trigger, Organize, stimulate R&D at the global level
- Catalyze, Organize and set-up Cassava Projects
- Promote, Organize thematic meetings and global meetings
What Will GCP21 NOT Do?

- Implement R&D Projects
- Run labs and fields
- Conduct experiments

What Will GCP21 Be?

An independent non-for-profit networking organization

(Could be hosted by any organization)

What Is the Scope of GCP21?

**Should be a Unique Global Organization**

Most of the constraints for cassava are global (genetic, physiology, propagation, starch, root storage...)

Solutions of problems and application are local (diseases, nutrition, varieties, processing...)

Major Challenge for GCP21

**Becoming The Cassava Reference**

To establish priorities, to identify gaps in science and technology, to have a portfolio of reliable and knowledgeable cassava experts on all topics.

Where Will GCP21 Be Located?

- Everywhere: GCP21 will operate as a network with hubs in different parts of the world.
- GCP21 meetings will be organized in different places in the world, depending on the subject.
- Priority will be given to Regional offices to be developed and located in regions where cassava is grown intensively, such as Africa, Asia, South America.

GCP21 Consortium

- CG Centers
- Foundations
- Aid Agencies
- Private Companies
- 45 Research Institutions
- 105 National Members
- 2000 Cassava Scientists and Developers
GCP21 Models

Global Water Partnership
GAIN - WISHH
ISAAA - AATF
World Food Prize
Agropolis Fdn
Global Harvest Initiative
Soybean, Cotton, Rubber Ass.

GCP21 - PPP

Cassava User Co.
US, European, Brazilian, Indian & Nigerian Co.
AgBiotech Co.
Feed and Food Co.
beer, sweet drinks, animal feed
Multinational Co.
for humanitarian purposes

Example of GCP21 Projects

Effective Control of Cassava Viruses

- Declaring a war on cassava viruses
- Deploying all possible methods of control including: monitoring, diagnostic, natural and engineered resistance, virus-free propagation of most important cultivars...
- Execute at pilot, regional and continental levels
- Develop necessary tools and missing information
- Anticipate new viral problems and plan for solutions

Example of GCP21 Projects

Collection of cassava Landraces

- Collect material with a universal process
- Evaluate material uniformly
- Produce virus-free certified material
- Preserve collection in GenBanks
- Identify landraces with DNA fingerprinting
- Make landraces available to scientists and farmers

First Scientific Meeting
of the
Global Cassava Partnership GCP!

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