

# **GCP Subprogramme 4 reporting 2005 planning 2006**



# GCP SP4 reporting and planning

- MTP 2006-2008
  - 3 SP4 projects
    - 4.1 Establishment of the GCP Information Platform
    - 4.2. Improvement of the GCP Information Platform components
    - 4.3. Creation of software in support of GCP activities
  - 14 outputs = 14 projects in our terminology (of which 1 split in 8)

# GCP SP4 reporting and planning

- today
  - reports of 10 projects
    - by PI
  - discussion about possible continuation
    - by PI based on budget indication
  - organized in blocks of 'MTP outputs'

# GCP SP4 reporting and planning

- Establishment of the GCP Information Platform
  - Development of GenerationCP domain models
  - Implementation of web services technology in GenerationCP Consortium
  - Creation and maintenance of GenerationCP Repository
  - Application of MOBY for GenerationCP Consortium
  - Creation and maintenance of templates for GenerationCP data storage in repositories
  - GCP Software Engineering Collaboration and Management

# GCP SP4 reporting and planning

- Improvement of the GCP Information Platform components
  - Improvement of quality of existing databases
  - Creation of institutional bioinformatics capacity
    - 8 separate projects
  - Integration of the High Performance Computing (HPC)-facilities in the GenerationCP toolbox

# GCP SP4 reporting and planning

- Creation of software in support of GCP activities
  - Development of decision support systems for sampling germplasm
  - Development of ortholog-function display tools
  - Development of crop gene expression database and data mining tools
  - Development of decision support tools for MAS and MAB
  - An eco-physiological – statistical framework for the analysis of GxE and QTLxE as occurring in abiotic stress trials, with applications to the CIMMYT drought stress programs in tropical maize and bread wheat
  - NEW: Data analysis support for existing projects in SP2 with emphasis on integrating results from microarray and mapping experiments

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Time	Output-based	Project	Speaker
8:00-8:15	<b>Welcome and introduction</b>		<b>Theo van Hintum, SP4 Leader</b>
8:15-10:30	<b>GCP data platform projects</b>	Development of an Integrated Information Platform	<b>Graham McLaren, IRRI</b>
		Development of GenerationCP Domain models	<b>Richard Bruskwiech, IRRI</b>
		Creation and maintenance of templates for GenerationCP data storage in repositories	<b>Guy Davenport, CIMMYT</b>
		Development of GenerationCP Central Repository	<b>Tom Hazekamp, IPGRI</b>
		Application of MOBY for GenerationCP Consortium	<b>Richard Bruskwiech, IRRI</b>
		Implementation of web services technology in GenerationCP Consortium	<b>Milko Skovic, IPGRI</b>
		GCP Software Engineering Collaboration and Management	<b>Thomas Metz, IRRI</b>
10:30-10:45		<b>Coffee Break</b>	
10:45-12:00		<i>(continuation of discussion)</i>	

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12:00-12:30	<b>GCP bioinformatics infrastructure</b>	Development of decision support systems for sampling germplasm	<b>Xavier Perrier, CIRAD</b>
12:30-13:30		<b>Lunch</b>	
13:30-14:00		Integration of High Performance Computing (HPC) facilities in the GCP toolbox	<b>Anthony Collins, CIP</b>
14:00-14:30		Improvement of Quality of Existing Databases	<b>Graham McLaren, IRRI</b>
14:30-15:15	<b>Wrap up</b>		