



Summary agenda
 Generation Challenge Programme
 2009 Annual Research Meeting
 20–23 September 2009
 Laico L'Amitié Bamako Hotel, Bamako, Mali

Sunday, 20th September

Opening remarks and introductions

(Chair: J-M Ribaut)

0830–0840 Welcome remarks

JM Ribaut, GCP Director

0840–0850 Welcome remarks

Farid Waliyar, Director, ICRISAT West and Central Africa

0850–0900 Welcome remarks

Moussa Yoyo Sidibé, Secrétaire générale du Ministère de l'agriculture du Mali

0900–0905 Logistics and housekeeping

A Okono, GCP

0905–0940 GCP overview and perspectives

J-M Ribaut, GCP Director

0940–1000 Group photo

1000–1030 **Coffee break**

1030–1115 Agricultural research and its impact in sub-Saharan Africa

Bino Témé, IER Director

GCP platforms

(Chair: G McLaren)

1115–1140 Molecular Breeding Platform overview

G McLaren

1140–1205 MBP services

C de Vicente

1205–1230 Genetic Resources Support Service

JC Glaszmann

1230–1330 **Lunch break**

GCP platforms (continued)

(Chair: G McLaren)

1330–1345 GCP phenotyping platform strategy

X Delannay

1345–1400 Genotyping options for the MBP

X Delannay

1400–1415 Marker and Genotyping Support Services

H Gomez

1415–1430 MBP–Information System

G Davenport

Challenge Initiatives

(Chair: J-M Ribaut)

1430–1445 Improving cassava yield in Africa's drought-prone environments

E Okogbenin

1445–1500 Improving drought tolerance in chickpeas for Africa and Asia

P Gaur

1500–1515 Improving drought tolerance in cowpeas for Africa *J Ehlers*

1515–1530 Improving drought tolerance in rice for Africa *N Ahmadi*

1530–1600 **Coffee break**

Challenge Initiatives (continued)

(Chair: J-M Ribaut)

1600–1615 Improving drought tolerance in sorghum for Africa

O Niangado

1615–1630 Improving drought tolerance in wheat for Asia *R Trethowan*

1630–1645 Comparative genomics to improve cereal yields in high-aluminium and low-phosphorous soils *L Kochian*

1645–1700 Discussion

1700–1730 Break

1730–1930 **POSTER SESSION I (Themes 2 & 4)**

(Moderator: T van Hintum)

Monday, 21st September

0830–0915 Pan-millet genomics and genetics

J Bennetzen

Bioinformatics and crop information

(Chair: G McLaren)

0915–0930 Design and analysis of association studies *F van Eeuwijk*

0930–0945 Reconstruction of genealogies based on haplotypes

C Billot

0945–1000 The GCP Informatics Platform

M Senger

1000–1030 **Coffee break**

1030–1215 **Parallel sessions**

- Cereals research–Diversity
- Legumes research and development

(Details in Parallel sessions agenda)

1215–1330 **Lunch break**

1330–1500 **Group discussions/meetings I (in parallel)**

- Panel discussion on data curation, standards and quality *E Arnaud*
- Panel discussion: Continuous evolution of marker systems– where we would like to be? *RK Varshney*
- Brainstorming: How to standardise information management in the MBP *G McLaren*

- Brainstorming: From good science to good payoffs– Improving the targeting, effectiveness and efficiency of crop improvement investments *S Wood*

(Details in Parallel sessions agenda)

1500–1530 **Coffee break**

Genomics & gene discovery

(Chair: RK Varshney)

1530–1545 Groundnut genetics, genomics and molecular breeding *D Bertoli*

1545–1600 Comparative analysis of drought stress associated gene functions between plants *A Pereira*

1600–1615 Transcriptome analysis of near-isogenic rice lines to identify expression signatures and gene combinations conferring tolerance to drought stress II *S Kikuchi*

1615–1630 GreenPhylDB v2: An improved comparative genomic database for crops functional genomics *M Conte*

1630–1645 Cytokinin-dependent delayed leaf senescence and the drought tolerance in rice *E Blumwald*

1645–1700 Improving rates of genetic gain in wheat breeding: integrating genomics *R Trethowan*

1700–1715 Discussion

1715–1730 Break

1730–1930 **POSTER SESSION II (Themes 1 & 3)**

(Moderator: T van Hintum)

1930–2130 Gala dinner

Tuesday, 22nd September

FIELD TRIP

(Details in Parallel sessions agenda)

Wednesday, 23rd September

0830–0915 Breeding for energy – a challenge for product delivery

Jeff McElroy

Capacity-building and enabling delivery

(Chair: C de Vicente)

0915–0930 The use of dimension reduction techniques for selecting reference genotype and marker data sets *T Odong*

0930–0945 Enabling capacities for drought and bacterial blight resistance phenotyping *C Ndiaga*

0945–1000 A geospatial framework, database and analysis for establishing priorities in crop improvement

G Hyman

<p>1000–1015 Production constraints and opportunities for six priority GCP food crops in farming systems with high poverty <i>S Waddington</i></p> <p>1015–1045 Coffee break</p> <p>1045–1230 Parallel sessions</p> <ul style="list-style-type: none">• Cereal research–Breeding• Clonally-propagated crops <i>(Details in Parallel sessions agenda)</i> <p>1230–1345 Lunch break</p> <p>1345–1515 Group discussions/meetings II (in parallel)</p> <ul style="list-style-type: none">• Brainstorming: What do breeders want from the next generation information system? <i>(G Davenport)</i>• Brainstorming: The future of molecular breeding <i>(X Delannay)</i>• Brainstorming: Environmental profiling of cultivar trial sites in multi-environment trials <i>(Glenn Hyman)</i>• Brainstorming: Training for applied molecular breeding <i>(C de Vicente)</i> <p><i>(Details in Parallel sessions agenda)</i></p> <p>1515–1545 Coffee break</p> <p>1545–1700 SP reflections and perspectives (Chair: J-M Ribaut)</p> <p>1545–1600 Subprogramme1 <i>(JC Glaszmann)</i></p> <p>1600–1615 Subprogramme 2 <i>(RK Varshney)</i></p> <p>1615–1630 Subprogramme 3 <i>(X Delannay)</i></p> <p>1630–1645 Subprogramme 4 <i>(G McLaren)</i></p> <p>1645–1700 Subprogramme 5 <i>(C de Vicente)</i></p> <p>1700–1730 Wrap-up and closing remarks (Chair: J-M Ribaut)</p> <ul style="list-style-type: none">• David Marshall, RAP Chair• Calvin Qualset, Executive Board Chair• Farid Waliyar, Director, ICRISAT West and Central Africa• J-M Ribaut, GCP Director		
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