



**Summary Agenda**  
 Generation Challenge Programme  
 2008 Annual Research Meeting  
 16–20 September 2008  
 Rama Gardens Hotel, Bangkok, Thailand  
**‘Products and impacts’**

<b>Tuesday, 16<sup>th</sup> September</b>	<b>Wednesday, 17<sup>th</sup> September</b>	<b>Thursday, 18<sup>th</sup> September</b>
<p><b>Opening remarks and introductions</b>                      (Chair: J-M Ribaut)                      0830–0835 Welcoming remarks  <i>J-M Ribaut, GCP Director</i>                      0835–0845 Welcoming remarks  <i>K Kirtikara, BIOTEC Executive Director</i>                      0845–0850 Logistics &amp; housekeeping  <i>A Okono</i></p> <p><b>GCP perspectives</b>                      0850–0920 Programme perspective  <i>J-M Ribaut</i>                      Subprogramme (SP) perspectives:                      0920–0935 SP1 <i>JC Glaszmann</i>                      0935–0950 SP2 <i>RK Varshney</i>                      0950–1005 SP3 <i>P Monneveux</i>                      1005–1020 SP4 <i>G McLaren</i>                      1020–1035 SP5 <i>C de Vicente</i></p> <p>1035–1100 <b>Coffee break</b></p> <p><b>Stakeholder perspectives</b>                      (Chair: C de Vicente)                      1100–1120 The history and the role of BIOTEC (Thailand) as a hub for scientific development in the region  <i>M Tanticharoen</i>                      1120–1135 The Community of Practice concept applied to rice production in the Mekong Region—the Cambodia component  <i>O Makara</i>                      1135–1155 Linking public–private seed sectors in India: a model for GCP?  <i>D Joshi</i>                      1155–1215 The challenges of product delivery (Indonesia)  <i>M Bustaman</i>                      1215–1230 Discussion                      1230–1400 <b>Lunch</b></p> <p>1400–1800 <b>Parallel Subprogramme sessions</b>                      1800–1845 Using the new SP4 data templates  <i>E Arnaud, GM Aquino</i></p>	<p><b>Impact pathways</b> (Chair: J-M Ribaut)                      0830–0900 Rice improvement in Africa  <i>A Ghesquière, M-N Ndjondnjop</i>                      0900–0930 Sorghum improvement for acid soil  <i>J Magalhães, R Schaffert</i>                      0930–1000 Rice improvement for soil problems  <i>S Heuer, M Thomson</i>                      1000–1030 Stress tolerance improvement in cassava  <i>E Okogbenin, C Egesi, A Alves</i></p> <p>1030–1045 <b>Group photo</b>                      1045–1115 <b>Coffee Break</b>                      1115–1130 Discussion: Impact pathways</p> <p><b>Gene discovery</b> (Chair: RK Varshney)                      1130–1145 Targeted discovery of superior disease QTL alleles in maize and rice genomes <i>R Nelson</i>                      1145–1200 ‘CEREALIMMUNITY’ <i>J-B Morel</i>                      1200–1215 Identifying genes responsible for failure—rice and wheat <i>R Seraj</i>                      1215–1230 Common genetic basis for tissue growth rate <i>C Welcker</i>                      1230–1245 Transcriptome analysis of rice NIL <i>S Kikuchi</i>                      1245–1300 Discussion</p> <p>1300–1400 <b>Lunch</b></p> <p><b>BRAINSTORM I</b>                      1400–1600 <b>GRSS—Genetic Resources Supply Service</b>                      Facilitator: <i>JC Glaszmann</i></p> <p>1600–1630 <b>Coffee Break</b></p> <p><b>POSTER SESSION I</b>                      (Moderator: T van Hintum)  <b>Subthemes 1 &amp; 2</b></p> <ul style="list-style-type: none"> <li>• <i>Exploiting allelic diversity</i></li> <li>• <i>Genomic resources and gene/pathway discovery</i></li> </ul> 1630–1730 Poster presentations <b>‘Say it succinctly in sixty seconds’</b> 1730–1830 Poster viewing and vote over drinks	<p><b>Marker development and breeding applications</b>                      (Chair: P Monneveux)                      0830–0845 Unlocking the genetic diversity in peanut’s wild relatives with genomic and genetic tools  <i>D Bertoli</i>                      0845–0900 Drought-tolerant rice cultivars for North China and South/Southeast Asia by highly efficient pyramiding of QTLs from diverse origins  <i>Z-K Li</i>                      0900–0915 Maize association mapping  <i>T Setter</i>                      0915–0930 Linkage disequilibrium mapping of downy mildew resistance in elite maize inbred lines in Thailand  <i>C Phumichai</i>                      0930–0945 Marker-assisted selection for sweet potato virus disease (SPVD) resistance in sweet potato germplasm and breeding populations  <i>W Grüneberg</i>                      0945–1000 Genetic dissection of drought-adaptive mechanisms in bread and durum wheat  <i>D Mullan</i>                      1000–1015 Integrating marker-assisted selection into the conventional breeding procedure for improvement of wheat (<i>Triticum aestivum</i> L) in the drought-prone areas of Northern China  <i>R Jing</i>                      1015–1030 Detecting and fine-mapping QTLs with major effects on rice yield under drought stress for deployment via marker-aided breeding  <i>A Kumar</i>                      1030–1045 Discussion</p> <p>1045–1300 <b>World Café (including coffee/tea)</b>                      1300–1400 <b>Lunch (packed lunch for field trips)</b></p>
<b>OPEN AFTERNOON/FIELD TRIPS</b>		

<p><b>Friday, 19<sup>th</sup> September</b></p> <p><b>CROSS-THEMATIC TOPICS</b></p> <p><b>Reference collections</b> (Chair: JC Glaszmann) 0830–0845 GCP Crops Genotyping: the concept <i>JC Glaszmann</i> 0845–0900 Reference set characterisation: a case study <i>H Upadhyaya</i> 0900–0915 Statistical rules for defining characteristic genotype and marker sets <i>F van Eeuwijk</i> 0915–0930 Germplasm quality data management: theory and practice <i>J-F Rami</i> 0930–0945 Phenotyping of a reference sample: the case of maize <i>J Gethi, M Zaharieva</i> 0945–1000 Discussion</p> <p><b>Genomic resources</b> (Chair: RK Varshney) 1000–1015 ADOC <i>D This</i> 1015–1030 SNP discovery, validation and mapping in groundnut <i>S Knapp</i></p> <p>1030–1100 <b>Coffee break</b></p> <p><b>Genomic resources (cont'd)</b> 1100–1115 Genomic resources in cowpeas <i>T Close</i> 1115–1130 Development of genomic resources for molecular breeding of drought tolerance in cassava <i>P Rabinowicz</i> 1130–1145 Discussion</p> <p><b>Tropical Legumes I</b> (Chair: C de Vicente) 1145–1200 Groundnuts <i>V Vadez</i> 1200–1215 Developing SNP-based modern cowpea breeding for resistance to key biotic and abiotic stresses <i>J Ehlers</i></p>	<p><b>Friday, 19<sup>th</sup> September (cont'd)</b></p> <p>1215–1230 Improved common bean productivity for drought-prone environments in Eastern and Southern Africa <i>M Blair</i> 1230–1245 Chickpeas <i>RK Varshney</i> 1245–1300 Cross-species resources for comparative genomics in tropical crop legumes <i>D Cook</i></p> <p>1300–1400 <b>Lunch</b></p> <p><b>Molecular Breeding Platform</b> (Chair: G McLaren) 1400–1415 Overall concept <i>G McLaren</i> 1415–1430 PBMASS—implementing pedigree-based marker-assisted selection in a hybrid programme <i>S Chapman</i> 1430–1445 Modelling approach to support plant phenotyping <i>D Luquet, R Gomide</i> 1445–1500 Modelling tools to support molecular approach <i>S Chapman</i> 1500–1515 Genotyping Support Service <i>H Gómez</i> 1515–1530 Statistical Support Helpdesk <i>M Malosetti</i> 1530–1545 Discussion</p> <p>1545–1615 <b>Coffee break</b></p> <p><b>POSTER SESSION II</b> (Moderator: T van Hintum)</p> <p><b>Subthemes 3 &amp; 4</b></p> <ul style="list-style-type: none"> <li>• <i>Marker development and breeding applications</i></li> <li>• <i>Support services and enabling delivery</i></li> </ul> <p>1615–1715 Poster presentations <b>'Say it succinctly in sixty seconds'</b> 1715–1815 Poster viewing and vote over drinks</p> <p>1900 <b>GALA DINNER</b> (cultural dress welcome)</p>	<p><b>Saturday, 20<sup>th</sup> September</b></p> <p>0830–1030 <b>BRAINSTORM II</b> <b>Molecular Breeding Platform</b> (Facilitator: G McLaren)</p> <p>1030–1100 <b>Coffee Break</b></p> <p><b>Support services and enabling delivery</b> (Chair: C de Vicente) 1100–1115 An eco-physiological–statistical framework for the analysis of GxE and QTLxE interactions <i>F van Eeuwijk</i> 1115–1130 McClintock Crop Bioinformatics Course <i>R Bruskiewich</i> 1130–1145 GCP Phenotyping Platform <i>P Monneveux</i> 1145–1200 Upgrading the quality and utility of GCP phenotyping data <i>R Koebner</i> 1200–1215 A farming systems approach to targeting and impact assessment <i>G Hyman</i> 1215–1230 <i>Ex ante</i> impact analysis of marker-assisted selection technologies supported by GCP <i>G Norton</i> 1230–1245 The WACCI programme <i>S Offei</i> 1245–1300 Discussions</p> <p>1300–1400 <b>Lunch</b></p> <p><b>Wrap-up and closing remarks</b> 1400–1500 Brainstorming reports 1500–1530 Subprogramme briefs 1530–1545 RAP report 1545–1600 Closing remarks <i>BIOTEC Director and GCP Director</i></p> <p>ARM CLOSED</p>
--	---	---