

Generation Challenge Program 2005 Annual Research Meeting

SUMMARY Agenda

29 September-1 October, 2005

Hilton Rome Airport

Rome, Italy

<p>Thursday, 29 September – Overview of research <b>PLENARY SESSIONS</b></p> <p>ROOM A (Cesari Section I) 8:00-8:30 Welcome (J-M Ribaut, W. Powell, J. Nelson)</p> <p><b>Exploiting Allelic Diversity</b></p> <p>8:30-8:55 Hari Upadhyaya, ICRISAT 8:55-9:20 Andy Pereira, WUR 9:20-9:45 Mark Sawkins, CIMMYT 9:45-10:10 Richard Bruskiewich, IRRI 10:10-10:40 COFFEE BREAK in Foyer</p> <p><b>Gene Mining</b></p> <p>10:40-11:05 Mathias Lorieux, CIAT 11:05-11:30 Michael Baum, ICARDA 11:30-11:55 Abdelbagi M. Ismail, IRRI 11:55-12:20 Graham McLaren, IRRI</p> <p>12:30 PM LUNCH in Giardino Dei Consoli room</p> <p><b>Marker Development</b></p> <p>13:30-13:55 Rebecca Nelson, Cornell 13:55-14:20 Anthony Bellotti, CIAT 14:20-14:45 Scott Chapman, UQ-CSIRO 14:45-15:10 Tom Hazekamp, IPGRI 15:10-15:40 COFFEE BREAK in Foyer</p> <p><b>Molecular Breeding and Delivery Plans</b></p> <p>15:40-16:05 David Bertoli, UCB 16:05-16:30 Zhi-Kang Li, CAAS 16:30-16:55 Carmen De Vicente, IPGRI</p> <p><b>POSTER SESSIONS (Cesari Section II)</b></p> <p>17:00-18:00 Even numbers 18:00-19:00 Odd numbers</p> <p>17:00 Cocktail in Foyer 20:00-22:00 Rolling buffet dinner (<i>Italian Flavours</i>) in Giardino dei Consoli room 21:00-22:00 Breakout rooms available for side meetings</p>	<p>Friday, 30 September – Subprogram-specific reporting and planning</p> <p><b>SUBPROGRAM BREAKOUT SESSIONS</b></p> <p>ROOM A (Cesari Section 1) = Subprogram 1: Genetic Diversity of Global Genetic Resources ROOM B (Salone degli Imperatori) = Subprogram 2: Comparative Genomics for Gene Discovery ROOM C (Giulio Cesare = Subprogram 3: Trait Capture for Crop Improvement ROOM D (Teodosio) = Subprogram 4: Bioinformatics ROOM E (Constantino) = Subprogram 5: Capacity Building and Enabling Delivery</p> <p>8:00 –10:00 Report to Subprogram rooms for specific reporting and planning 10:30-10:45 COFFEE BREAK 10:45-12:30 Report to Subprogram rooms for specific reporting and planning</p> <p>12:30 PM LUNCH in Giardino dei Consoli room 13:30-15:15 Report to Subprogram rooms for specific reporting and planning 15:15-15:45 COFFEE BREAK</p> <p><b>15:45-18:00 Parallel cross sub-program discussion sessions</b></p> <p>ROOM A (Cesari Section I): Strategies for mining diversity and how to cope with large collections ROOM B (Salone degli Imperatori): Strategies allele discovery and how to cope with complex traits ROOM C (Giulio Cesare): Reaching the breeders</p> <p><b>ROOM A (Cesari Section I)</b> 18:15-19:45 Live Action: Demonstrations of four GCP bioinformatics products</p> <p><b>Giardino dei Consoli room</b> 20:00 Generation Challenge Program Dinner 21:00-22:00 Breakout rooms available for side meetings</p>	<p>Saturday, 1 October – Brainstorming on GCP research priorities and plenary wrap-up</p> <p><b>BRAINSTORMING</b></p> <p>ROOM A (Cesari Section I) 8:00-9:00 Reports from parallel sessions 9:00-9:30 GCP Perspectives (J-M Ribaut) 9:30-9:45 Objective and expected outputs of the brainstorming session (J-M Ribaut) 9:45-10:15 COFFEE BREAK</p> <p><b>BREAKOUT ROOMS</b></p> <p>10:15-12:30 Brainstorming Group A = Cesari Section I (chair: Jonathan Crouch) Group B = Salone degli Imperatori (chair: Carmen de Vicente) Group C = Giulio Cesare (chair: Theo van Hintum) Group D = Teodosio (chair: Hei Leung) Group E = Constantino (chair: Jean Christophe Glaszmann)</p> <p>12:30 PM LUNCH in Giardino dei Consoli room</p> <p><b>PLENARY SESSIONS</b></p> <p>ROOM A (Cesari Section I) Conclusion and Subprogram Perspectives 13:30–14:15 Jean-Christophe Glaszmann, SP1 Leader 14:15-15:00 Hei Leung, SP2 Leader 15:00-15:45 Jonathan Crouch, SP3 Leader 15:45-16:15 COFFEE BREAK 16:15-17:00 Theo van Hintum, SP4 Leader 17:00-17:45 Carmen De Vicente, SP5 Leader 17:45-18:00 First feedback from GCP reviewer team (W. Powell) and closing remarks (J-M Ribaut)</p> <p>18:00-22:00 Breakout rooms available for side meetings</p> <p><b>OPTIONAL NIGHT OUT IN ROME</b></p> <p>18:30 Bus departs for center Rome 22:00 Bus pick up in center Rome for return to Airport Hilton</p>
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## DETAILED AGENDA

### Wednesday, SEPTEMBER 28 (Arrivals)

17:00-22:00 Registration  
20:00 DINNER on your own

### Venue

Lobby Area

### Thursday, SEPTEMBER 29

06:30-08:00 Breakfast  
07:00-08:00 Registration

Giardino dei Consoli Room  
GCP Secretariat

#### ROOM LEGEND:

ROOM A = Cesari Section I

ROOM B = Salone degli Imperatori

ROOM C = Giulio Cesare

ROOM D = Teodosio

ROOM E = Constantino

POSTER ROOM = Cesari Section II

#### Welcome, Introduction and Opening Remarks

8:00-8:10 **Jean-Marcel Ribaut**  
Welcome and opening remarks  
8:10-8:20 **Wayne Powell**  
Presentation of the reviewer team  
8:20-8:30 **Jenny Nelson**  
Logistical issues

Room A (Cesari Section I)

#### Session I: Exploiting Allelic Diversity

Chair: Jean-Christophe Glaszmann

8:30-8:55 **Hari Upadhyaya**  
Completing genotyping (barley, wheat, sorghum, chickpea)  
8:55-9:20 **Andy Pereira**  
Systematic evaluation of rice mutant collections for conditional phenotypes with emphasis on stress tolerance  
9:20-9:45 **Mark Sawkins**  
Development of informative DNA markers through association mapping in maize to improve drought tolerance in cereals

Room A (Cesari Section I)

9:45-10:10	<b>Richard Bruskiewich</b> Development and application of the GenerationCP domain models	
10:10-10:40	COFFEE BREAK	<b>Foyer</b>
<b>Session II: Gene Discovery and Mining</b>		<b>Room A (Cesari Section I)</b>
Chair: Hei Leung		
10:40-11:05	<b>Mathias Lorieux</b> Exploring natural genetic variation: developing genomic resources and introgression lines for four AA genome rice relatives	
11:05-11:30	<b>Michael Baum</b> Allele Mining Based on Non-Coding Regulatory SNPs in barley germplasm	
11:30-11:55	<b>Abdelbagi M. Ismail</b> Revitalizing marginal lands: discovery of genes for tolerance of saline and phosphorus deficient soils to enhance and sustain productivity	
11:55-12:20	<b>Graham McLaren</b> Improvement of quality of existing databases.	
12:30-13:30	LUNCH	<b>Giardino dei Consoli room</b>
<b>Session III Marker development</b>		<b>Room A (Cesari Section I)</b>
Chair: Jonathan Crouch		
13:30-13:55	<b>Rebecca Nelson</b> Targeted discovery of superior disease QTL, alleles in the maize and rice genomes	
13:55-14:20	<b>Anthony Bellotti</b> Development of low-cost technologies for pyramiding useful genes from wild relatives of cassava into elite progenitors	
14:20-14:45	<b>Scott Chapman</b> Simulation of marker-assisted selection strategies for optimizing molecular breeding systems for drought tolerance in cereals	
14:45-15:10	<b>Tom Hazekamp</b> GCP data infrastructure	
15:10-15:40	COFFEE BREAK	<b>Foyer</b>
<b>Session IV: Molecular Breeding and Delivery Plans</b>		<b>Room A (Cesari Section I)</b>
Chair: Theo van Hintum		

- 15:40-16:05 **David Bertioli**  
Unlocking the genetic diversity in peanut's wild relatives  
with genomic and genetic tools
- 16:05-16:30 **Zhi-Kang LI**  
Drought Tolerant Rice Cultivars for North China and South/Southeast  
Asia by Highly Efficient Pyramiding of QTL's fro Diverse Origins
- 16:30-16:55 **Carmen De Vicente**  
GCP Delivery Strategy

**Poster Presentation**

17:00-1800

Main author for the even numbered posters are expected to be at their posters from 17:00 to 18:00

Main author for the odd numbered posters are expected to be at their posters from 18:00 to 19:00

17:00-20:00 COCKTAILS

20:00-22:00 DINNER – Buffet-style

**FRIDAY, SEPTEMBER 30**

06:30-08:00 Breakfast

**Poster room (Cesari Section II)**

**Foyer**

**Giardino dei Consoli room**

**Giardino dei Consoli room**

Subprogram Breakout sessions – see detailed agendas below

## FRIDAY, 30 SEPTEMBER – DAY 2: Speakers (see below for detailed agendas)

Time	SP1 Session – Room A	SP2 Session – Room B	SP3 Session – Room C	SP4 Session – Room D	SP5 Session – Room E
8:00-15:30	Jean Christophe Glaszmann Hari Upadhyaya Bonnie Furman Marc Ghislain Martin Fregene Susanne Dreisigacker Matthew Blair Ken McNally Merideth Bonierbale Andrzej Kilian Marcel de Raissac Frederico Duraes	Hans Braun Matthew Blair Marc Ghislain Sarah Hearne Tom Hash Merideth Bonierbale Jizeng Jia Nour Ahmadi Takuji Sasaki Nicholas Roux Ken McNally Pietro Piffanelli Mark Sawkins Tiegang Lu John Bennett Richard Bruskievich Shoshi Kikuchi Jurandir Magalhaes	Kazuko Yamaguchi-Shinozaki John Bennett Willy de Greef Shawn Sullivan Nollie VeraCruz Festo Massawe Martin Fregene Victoria Henson-Apollonio Alfredo Alves Marcel de Raissac Fred Eeuwijk Subhash Chandra Jiankang Wang Hans Braun	Richard Bruskievich Thomas Metz Milko Skovic Guy Davenport Graham McLaren Theo van Hintum Tom Hazekamp Anthony Collins Xavier Perrier	Carmen de Vicente Niels Louwaars Victoria Henson-Apollonio Theresa Fulton Suresh Kumar SK Sampath Daniel Fonceka Heru Kuswanto Karine Malgrand SH Syed

### 15:45-18:00 Report to Plenary Room, Room A, or Room B for parallel cross sub-program sessions

Discussion group 1 – ROOM A (Cesari Section I): Strategies for mining diversity and how to cope with large collections (facilitated by Jean Christophe Glaszmann)

Discussion group 2 – ROOM B (Salone degli Imperatori): Strategies for allele discovery and how to cope with complex traits (facilitated by Hei Leung)

Discussion group 3 – ROOM C (Giulio Cesare): Reaching the breeders (facilitated by Carmen de Vicente)

### ROOM A (Cesari Section I)

#### 18:15-19:45 Live Action: Demonstrations of GCP bioinformatics products

During five quarters of an hour, we will demonstrate bioinformatics products developed in the framework of the GCP, and available for use by the GCP scientists:

1 - The High Performance Computing facility – which allows running very large computing jobs on the GCP grid computer. (demonstrated by Anthony Collins)

2 – GCP Wiki – which allows the evolution of GCP ideas and documents in a truly interactive fashion. (demonstrated by Thomas Metz)

3 – The GCP Data Templates and Central Repository – allowing proper management of GCP data (demonstrated by Guy Davenport and Dag Terje)

4 – CMTV - the comparative map and trait viewer acting as a platform for the visual integration of disparate GCP data (demonstrated by Andrew Farmer)

30 minutes for discussion

## FRIDAY, 30 SEPTEMBER

DAY 2 Subprogram 1 – Room A (Cesari Section I)

Time	Output-based	Project	Speaker
8:00-8:30		Plan for the day and report of the Chennai workshop	<b>Jean Christophe Glaszmann, SP1 Leader</b>
8:30-8:40	<b>Structure of genetic resources for each crop accurately described (including tools)</b>	Groundnut core collection/genotyping #03f	<b>Hari Uppadyaya, ICRISAT</b>
8:40-8:50		Lentil core collection/genotyping #03e	<b>Bonnie Furman, ICARDA</b>
8:50-9:00		Pigeon pea core collection/genotyping #03b	<b>Hari Uppadyaya, ICRISAT</b>
9:00-9:10		Coconut genotyping; LD assessment #03g	<b>Jean Christophe Glaszmann, Agropolis</b>
9:10-9:20	<b>A set of reference germplasm, data and methods available for designing comparative studies with the view to identifying associations for each crop (including LD assessment for priority crops)</b>	Sweet potato core collection/genotyping #03c	<b>Marc Ghislain, CIP</b>
9:20-9:45		Cassava genotyping; traditional and breeding materials #02j and #08	<b>Martin Fregene, CIAT</b>
9:45-10:10		Maize genotyping; migrations out of America #02a and comp#14	<b>Susanne Dreisigacker, CIMMYT</b>
10:10-10:30*		DArT markers #04	<b>Andrzej Kilian, DArT PL</b>
10:30		<b>Coffee break</b>	
10:45-11:25	<b>continued</b>	Potato genotyping; wild/traditional and breeding materials #02j and #08	<b>Merideth Bonierable and Marc Ghislain, CIP</b>
11:25-12:10		Rice genotyping; #02c, #35 and #05 high throughput SNP development; EcoTILLing	<b>Ken McNally, IRRI</b>
12:10-12:30		Issues for discussion on genotyping and applications	
12:30-13:30		<b>Lunch</b>	
13:30-14:30	<b>A set of phenotyping facilities accessible for GCP germplasm samples a crop and whole plant modeling framework to support assessment of tolerance to drought</b>	Plenary session with other subprograms	
14:30-14:50		Phenotyping network at Embrapa	<b>Frederico Duraes, EMBRAPA</b>
14:50-15:15		General discussion on genotyping, phenotyping and global SP1 perspectives	
15:15		<b>Coffee break</b>	
15:45-18:00	<b>Parallel sessions (see page 5 of agenda)</b>		

## FRIDAY, 30 SEPTEMBER

DAY 2 Subprogram 2 – Room B (Salone degli Imperatori)

Time	Output-based	Project	Speaker
8:00-8:10		Plan for the day	Hei Leung, SP2 Leader
8:10-8:20	<b>Output 1. Assembly of genomics and germplasm resources</b>	Wheat genetic stock assembly and utilization	Hans-Joachim Braun, CIMMYT
8:20-8:30		Legume mutant resource development/drought mapping in bean	Matthew Blair, CIAT
8:30-8:40		Tuber genetic stocks and gene function validation tools	Marc Ghislain, CIP
8:40-9:00		Stress response-enriched EST resources for targeted species (cowpea and pearl millet)	Sarah Hearne, IITA, and Tom Hash, ICRISAT
9:00-9:30		<b>Discussion on specialized genetic stocks/resources</b>	
9:30-9:50	<b>Output 2. Comparative maps and markers within and across species</b>	Validation of conserved orthologous markers	Merideth Bonierable CIP and Jizeng Jia, CAAS
9:50-10:00		QTL mapping for drought tolerance	Nour Ahmadi, CIRAD
10:10-10:30		Targeted <i>Musa</i> genome sequencing and frame map construction	Takuji Sasaki, NIAS and Nicolas Roux, INIBAP
10 :30		<b>Coffee break</b>	
10:45-10:55		Genome-wide SNP discovery across multiple rice varieties	Ken McNally, IRRI
10:55-11:15		<b>Discussion on markers and maps</b>	
11:15-11:35	<b>Outputs 3 and 4</b> <ul style="list-style-type: none"> <li>• Assign genes and pathways to phenotypes</li> <li>• Gene function validation</li> </ul>	Functional genomics of cross-species resistance to fungal diseases in rice and wheat (CEREALIMMUNITY)	Pietro Piffanelli, CIRAD
11:35-11:55		Determination of a common genetic basis for tissue growth rate under water-limited conditions across plant organs and genomes	Mark Sawkins, CIMMYT
11:55-12:10		Crop gene expression profiles and stress-gene arrays	Tiegang Lu, CAAS
12:10-12:30		Identifying Genes Responsible for Failure of Grain Formation in Rice and Wheat under Drought	John Bennett, IRRI
12 :30-13:30		<b>Lunch</b>	
13:35-13:55		Isolation and Characterization of Aluminum Tolerance Genes in the Cereals: An Integrated Functional Genomic, Molecular Genetic and Physiological Analysis	Jurandir Magalhaes, Embrapa
13:55-14:45		<b>Discussion on candidate genes and their validation</b>	Whole group and invite Shoshi Kikuchi, NIAS, and Richard Bruskiewich, IRRI
14:45-15:15	<b>Whole subprogram discussion across all outputs</b>	<ul style="list-style-type: none"> <li>• Useful linkages and common themes</li> <li>• Identify intermediate, useful products</li> <li>• Items for breakout and brainstorming sessions</li> </ul>	
15:15		<b>Coffee break</b>	
15:45-18:00	<b>Parallel sessions (see page 5 of agenda)</b>		

## FRIDAY, 30 SEPTEMBER

Day 2 Subprogram 3 – Room C (Guilio Cesare)

Time	Output-based	Project	Speaker
8:00-8:30	<b>Trangenic Product Development, Evaluation and Deployment*</b>	Overview of DREB research at JIRCAS	<b>Kazuko Yamaguchi-Shinozaki, JIRCAS</b>
8:30-8:45		Progress in evaluation of DREB transgenics	<b>John Bennett, IRRI</b>
8:45-9:15		Biosafety concerns specific to the deployment of abiotic stress transgenics	<b>Willy de Greef, IPBO</b>
9:15-9:45		Liability and redress issues related to GMO products	<b>Shawn Sullivan, GCP legal counsel</b>
9:45-10:30		Discussion for implications for transgenic research and development in the GCP	
10 :30		<b>Coffee break</b>	
10:45-11:00	<b>Marker-assisted Selection Technologies</b>	IP issues and product development pathways for molecular breeding technologies	<b>Victoria Henson-Apollonio, IPGRI</b>
11:00-11:15		Low-cost marker technologies in major cereal crops [rice, maize, and wheat – barley and sorghum]	<b>Nollie vera Cruz, IRRI</b>
11:15-11:30		Status of marker-assisted selection technologies in legumes and clonal crops [cowpea and groundnut – chickpea, pigeonpea, lentil]	<b>Festo Massawe, IITA</b>
11:30-11:45		Status of marker-assisted selection technologies in clonal crops [cassava and banana – yam and coconut]	<b>Martin Fregene, CIAT</b>
11:45-12 :30		Discussion on future priorities for marker-assisted selection technologies	<b>Discussion on concept note for new 2006 commissioned project</b>
12 :30		<b>Lunch</b>	
13 :30-13 :45	<b>Computational Tools for Molecular Breeding</b>	Cassava drought physiology	<b>Alfredo Alves, EMBRAPA</b>
13 :45-14 :00		Whole plant physiology modelling	<b>Marcel de Raissac, CIRAD</b>
14 :00-14 :15		New approaches to GxE and QTxE	<b>Fred van Eeuwijk, WUR</b>
14:15-14 :30		iMAS integrating mapping and molecular breeding software	<b>Subhash Chandra, ICRISAT</b>
14 :30-14 :45		Future plans for molecular breeding simulation tools	<b>Jiankang Wang, CSIRO</b>
14 :45-15 :00		A practical perspective on the application of molecular breeding simulation tools	<b>Hans Braun, CIMMYT</b>
15:00-15:15		Discussion on future priorities for computation methods in molecular breeding	
15:15		<b>Coffee</b>	
15:45-18:00	<b>Parallel sessions (see page 5 of agenda)</b>		

\*to be continued on Saturday evening if appropriate

## FRIDAY, 30 SEPTEMBER

DAY 2 Subprogram 4 – Room D (Teodosio)

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, IRR I</b>
		Development of GenerationCP Domain models	<b>Richard Bruskiewich, IRR I</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 Bruskiewich, IRR I</b>
		Implementation of web services technology in GenerationCP Consortium	<b>Milko Skovic, IPGRI</b>
		GCP Software Engineering Collaboration and Management	<b>Thomas Metz, IRR I</b>
10:30-10:45		<b>Coffee Break</b>	
10:45-12:00		<i>(continuation of discussion)</i>	
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, IRR I</b>
14:30-15:15	<b>Wrap up</b>		
15:15		<b>Coffee break</b>	
15:45-18:00	<b>Parallel sessions (see page 5 of agenda)</b>		

## FRIDAY, 30 SEPTEMBER

DAY 2 Subprogram 5 – Room E (Constantino)

Time	Output-based	Project	Speaker
08:00 - 08:15		SP5 presentation and update	<b>Carmen de Vicente, SP5 Leader</b>
08:15 - 09:15	<b>Training</b>	GCP Fellowships + Travel grants	<b>SK Sampath, Suresh Kumar, Daniel Fonceka, Heru Kuswanto, Vinod Jakkula</b>
09:15 - 09:30		Development of training materials and Helpdesk	<b>Marja Thijssen</b>
09:30 – 10:30		GCP Training Program	<b>S. Chandra, Karine Malgrand</b>
<b>10:30</b>		<b>Coffee Break</b>	
10:45 -11 :15	<b>Training</b>	General discussion on GCP training activities	
11:15 – 12:30	<b>Policy</b>	○ Regional Courses, Workshop in China Symposium and Distance Policies	<b>Niels Louwaars</b>
		○ Asset Inventory and IP matters	<b>Victoria Henson-Apollonio</b>
		○ Discussion on future plans for policy activities in the GCP	
12 :30		<b>Lunch</b>	
13:30 -14:30	<b>Delivery</b>	Discussion of content of delivery strategy	<b>Carmen de Vicente</b>
14 :30 -15 :15		Wrap-up	<b>Carmen de Vicente</b>
15:15		<b>Coffee break</b>	
15:45-18:00	<b>Parallel sessions (see page 5 of agenda)</b>		

## SATURDAY, OCTOBER 1 – DAY 3

06:30-08:00	Breakfast	<b>Giardino dei Consoli room</b>
8:00-9:00	Reports from parallel sessions (20 minutes per session)	<b>Room A (Cesari Section I)</b>
9:00-9:30	GCP Perspectives (J-M Ribaut)	
9:30-9:45	Objectives and expected outputs of brainstorming session (J-M Ribaut)	
9:45-10:15	COFFEE BREAK	<b>Foyer</b>
10:15-12:30	<b>Brainstorming in Breakout Groups – please make sure to fill out and return your FEEDBACK FOR BRAINSTORMING forms before Friday evening</b>	
	Group A = Cesari Section I (chair: Jonathan Crouch)	
	Group B = Salone degli Imperatori (chair: Carmen de Vicente)	
	Group C = Giulio Cesare (chair: Theo van Hintum)	
	Group D = Teodosio (chair: Hei Leung)	
	Group E = Constantino (chair: Jean Christophe Glaszmann)	
12:30-13:30	LUNCH	<b>Giardino dei Consoli room</b>
	<b>Conclusion and Subprogram Perspectives</b>	<b>Room A (Cesari Section I)</b>
13:30-14:15	Jean-Christophe Glaszmann	
14:15-15:00	Hei Leung	
15:00-15:45	Jonathan Crouch	
15:45-16:15	COFFEE BREAK	
16:15-17:00	Theo van Hintum	
17:00-17:45	Carmen De Vicente	
17:45-18:00	First feedback from GCP reviewer team (W. Powell) and closing remarks (J-M Ribaut)	
18:30	Bus departs for center Rome	
22:00	Bus pick up in center Rome for return to Airport Hilton	

### ***Brainstorming session***

Composition of the groups can be found as annex to the program