



Welcome to CGIAR sessions

- 3 sessions

Development of genomic resources

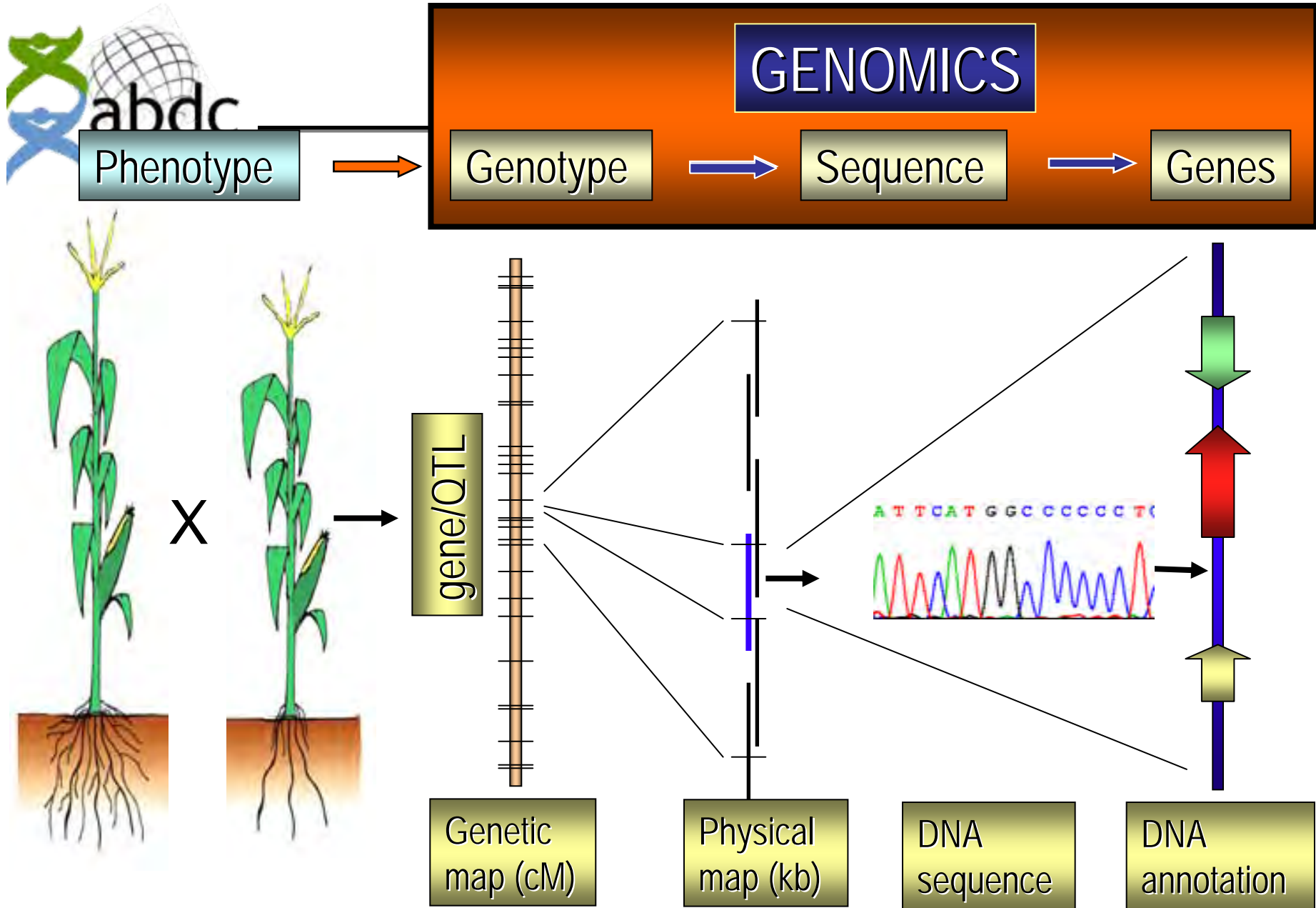
14.30- 16.15 hrs by Rajeev Varshney, ICRISAT/GCP

**Genomic Application: Molecular breeding
in developing countries**

16.45 - 18.30 hrs (today) by Jean-Marcel Ribaut, GCP

**Conservation and sustainable use of
genetic resources for food & agriculture**

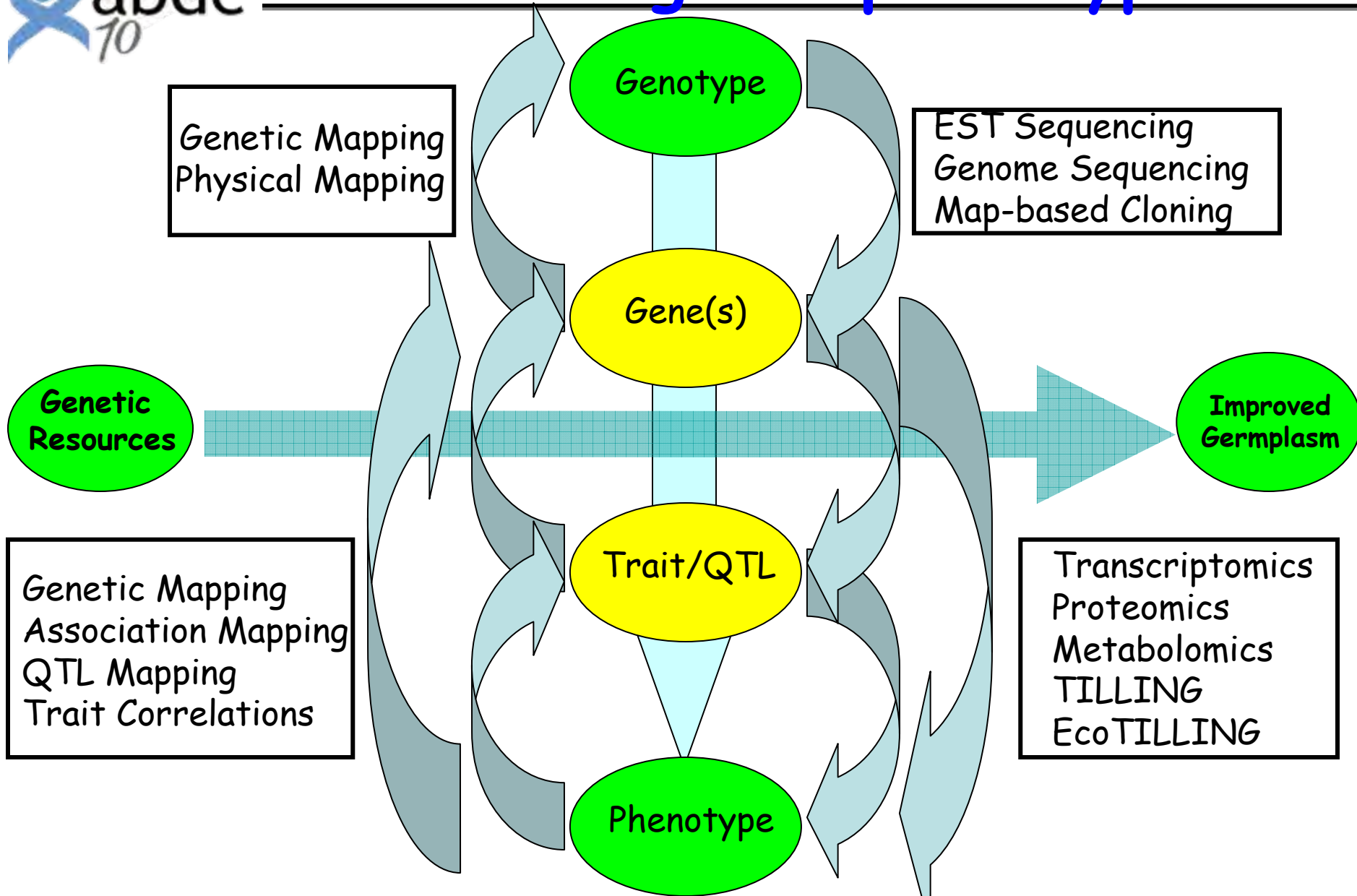
16.45 - 18.30 hrs tomorrow by Dave Hoisington, ICRISAT





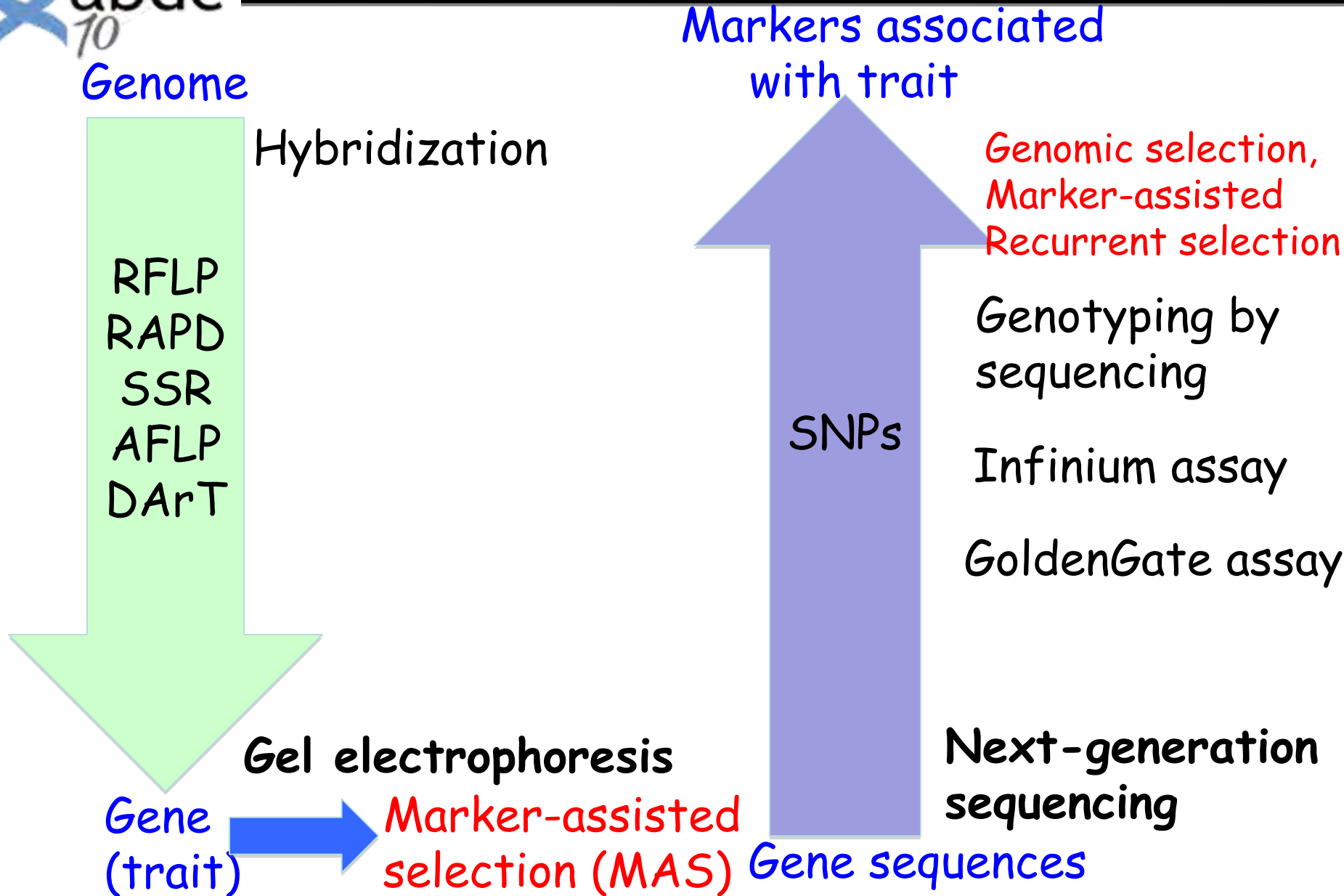
Genomics-assisted breeding:

Predicting the phenotype





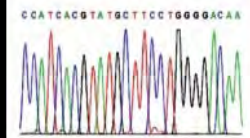
Molecular markers and platforms



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2nd International Symposium on Genomics of Plant Genetic Resources



CO-ORGANIZERS



24-27 April, 2010 **Bologna, Italy**

BOLOGNAFIERE, Piazza della Costituzione 4

SCIENTIFIC SESSIONS

- Harnessing plant diversity: from sequence to function
- Harnessing plant diversity: genomics-based applications
- Genomics of Triticeae genetic resources
- Genomics for increased sustainability of Triticeae crops production
- Genomics-assisted crop improvement for food security in developing countries
- Genetic resources for nutritional quality
- The next challenges

KEYNOTE SPEAKERS

- Congress Keynote Speaker**
Gebisa Ejeta - 2009 World Food Prize Laureate, Purdue University, Lafayette, USA
- Opening Keynote Speaker**
Emile Frison - Director, Bioersity, Rome, Italy
- Closing Keynote Speaker**
Andreas Graner - Director, IPK, Gatersleben, Germany

INVITED SPEAKERS

- | | | |
|----------------|---------------|---------------|
| E. Akhunov | T. Komatsuda | P. Schweizer |
| Z. Bedo | M. Koornneef | P. Shewry |
| D. Bergvinson | P. Langridge | S. Tartarini |
| L. Broers | S.H. Lee | J. Tohme |
| S. Davidson | A. Melchinger | G. Valle |
| O. DePonti | M. Morgante | S. Varotto |
| S. Eathington | A. Murigneux | R. Varshney |
| T. Fahima | E. Porceddu | R. Velasco |
| R. Flavell | A. Rafalski | F. Virgili |
| J.C. Glaszmann | F. Salamini | R. Visser |
| E. Guimaraes | J. Salse | R. Waugh |
| S. Jackson | K. Schmid | L. Willmitzer |
| J. Jia | A. Schulman | M. Yano |
| B. Keller | U. Schurr | |



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Development of genomic resources: Current status & future prospects

AGENDA

- 14.30 Welcome & introduction
- 14.35 Roberto
- 14.45 Rajeev
- 14.55 Jerry
- 15.10 Jasper
- 15.25 Discussion with audience
- 16.10 Closing
- 16.15 Coffee

ROLES

- Rajeev Varshney:** Facilitator
- CGIAR:** Host
- Roberto Tuberosa:** Panelist 1
- Jerry Taylor:** Panelist 2
- Jasper Rees:** Panelist 3
- Michael Baum:** Rapporteur
- All others:** Participants

EXPECTED OUTCOMES

- To better understand the issue, identify gaps and needs...
- To identify options for the future...
- To have content for summary for next days plenary

RULES

- Participate and share experiences
- Keep focus on key issues
- No one dominates
- Respect the time

Investments

- Current status of genomic resources- are we done?
- If not- should developing countries invest in developing genomic resources?



Some issues!

Methodologies

- In-houses vs outsourcing?
(exchange of germplasm across countries)
- Basic infrastructure?
- Linkage mapping vs association mapping
- MAS vs MARS/GWS



Some issues!

Capacity building of NARS partners

- Role of CGIAR?
- Leading role of NARS?
- Data generation is no more an issue- however- what about NARS capacity for data analysis, interpretation, management?
- Data access & sharing?
- Adoption of genomic technologies



Thanks for your attention