

BRAINSTORMING SESSION

Group B

Moderated by Carmen de Vicente

Feedback from Group B on Genetic Resources

Participants in breakout group:

Kouji Satoh (NIAS)

Jurandir Magalhaes (EMBRAPA)

Andy Pereira (WUR)

Martin Fregene (CIAT)

Michael Baum (ICARDA, reporting)

Project 1

- All 22 crops should have a minimal set of genomic and germplasm tools: e.g. SSRs, SNPs, mapping populations, (yams, faba bean, millets, coconut, sweet potato),
- Deliverables: markers developed, maps developed ready usable GCP products,
- Organisations: IITA, INRA France, ICARDA, ICRISAT, CIRA, CIP
- Suggested for commissioned project

Project 2

- Physical maps, via fingerprinting of BAC libraries, and linking with phenotyp using bulk segregant analysis
- Rational: cost effective way of making use of genomic resources
- Crops: banana, sweet potatoes, cassava, chickpea,
- 50k per crop
- INIBAP, EMBRAPA, CIP, CIAT, IITA, ICARDA

Project 3

- Develop crop clusters focused on particular/physiological processes explored in a comparative fashion: dissect processes into components.
 - Genes involved in specific processes related to drought tolerance in defined parts: roots, leaves, etc.
 - Function Clusters: cereals – root and tuber – legumes
 - And identify models for each cluster

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