

Workshop on the Sustainable Management of Plant Genetic Resources (PGR)

Tuesday, Oct 3 at 9.30 to Wednesday, Oct 4 at 13.30 Eastern European time

(One hour earlier on Central European time)

Mediterranean Agronomic Institute of Chania, Chania, Greece and online

AGENDA

Tuesday, Oct 3, 9.30 EET (8.30 CET)

Online link: <https://us06web.zoom.us/j/86472519271?pwd=twlE0Ps5nfHkceCiFE6be7ms74rj3G.1>

9.30-9.40 Welcome from MAICH Director

9.40-10.00 Introduction. G Giuliano (ENEA, Rome): *The GRACE-RI: A European Research Infrastructure Dedicated to Plant Genetic Resources*

10.00-11.00 Presentations of existing European Research Infrastructures: LIFEWATCH, EMPHASIS, DISSCO, ELIXIR, METROFOOD. (Chair: G Bucci, CNR)

11.00-11.20 Round table: *Synergies/complementarities between the future GRACE-RI and other European Research Infrastructures* (Chair: G Bucci, CNR)

11.20-11.40 Coffee break

11.40-13.10 Presentations of EU-funded projects dedicated to PGR: G2P-SOL, FARMER'S PRIDE, TRADITOM, HARNESSTOM, INCREASE, AGENT, BREEDINGVALUE, GEN4OLIVE, FORGENIUS, COUSIN. (Chair: G. Giuliano, ENEA)

13.10-13.30 Round table: *How to best incorporate the know-how gathered in previous EU projects on PGR in the future GRACE-RI Research Infrastructure.* (Chair: G Giuliano, ENEA)

13.30-14.30 Lunch break

14.30-15.50 Thematic Session 1: *Plant Genetic Resources Information system; making data FAIR and useful* (Chair: S Weise, IPK Gatersleben)

- CH Aguilar (IPK Gatersleben): *The European PGR Information System and the Fair Imperative: Progress and prospects* (15')
- C Pons-Puig (CSIC-IBMCP, Valencia): *Towards a harmonized system of standards for PGR phenotypic, image, and genetic (meta)data* (25')
- J Magos Brehm (Univ of Birmingham): *In situ PGR conservation data standards* (15')
- *Discussion* (25').

15.50-16.50 Thematic session 2: PGR access and benefit sharing, IP protection, training (Chair: N Vangheluwe, Euroseeds)

- P Kalaitzis (MAICH, Chania): *Training opportunities in the GRACE-RI* (15')
- S Csörgő, N Vangheluwe (Euroseeds): *IP considerations* (15')
- L Escajedo San-Epifanio (Univ. of Basque Country): *Access and benefit sharing in agricultural research and development* (15')
- *Discussion* (15').

16.50-17.10 Coffee break

17.10-18.30 Thematic session 3: Ex situ and in situ PGR management: ensure quality and efficiency (Chair: J Magos Brehm, Univ. of Birmingham)

- T van Hintum (CGN Wageningen): *A certification system for ex situ genebanks* (15')
- MJ Díez (Polytechnic Univ of Valencia, online): *Experiences with peer reviews in European genebanks* (15')
- N Maxted (Univ of Birmingham): *Quality improvement in in situ management of PGR* (15')
- V Holubec (Crop Research Institute, Prague): *Building capacity to assure quality in PGR management* (15')
- *Discussion* (20').

Wednesday Oct 4, 9.30 EET (8.30 CET)

Online link: <https://us06web.zoom.us/j/88205360075?pwd=30wZuRrPjHmwmsXgOzDZY3fWEPCkCi.1>

9.30-10.30 Thematic session 4: Evaluation and valorization of PGR: facilitating their adoption in breeding programmes (Chair: I Verde, CREA Rome)

- V Lefebvre (INRAE Avignon): *Introduction* (15')
- R Pieruschka (Forschungszentrum Julich) and C Pommier (INRAE Saclay): *Plant phenotyping data management from phenomics to integration for analysis and PGR characterizations: challenges and solutions from ELIXIR and EMPHASIS* (25')
- *Discussion* (20').

10.30-11.30 Thematic session 5: Technologies and scientific services for the management of PGR (Chair: L Barchi, Univ. of Torino)

- A Fernie (Max Planck Institute Golm): *Metabolomic and phytosanitary technologies and scientific services* (20')
- L Barchi (Univ of Torino): *Genomic and bioinformatic technologies and scientific services* (20')
- *Discussion* (20').

11.30-11.50 Coffee break

11.50-13.10 Thematic session 6: Stakeholders, services, sustainability – Visions for the future GRACE-RI

Interactive workshop moderated by Lise-Lykke Steffensen (NordGen) and Sandra Goritschnig (ECPGR).

There will be two main sessions to discuss ideas and collect feedback on aspects important to making GRACE-RI a reality:

- *GRACE-RI services for the PGR community and stakeholders*
- *Visions for the structure, finance and governance of a future GRACE-RI*

13.10-13.30 Workshop conclusions (G Giuliano)

13.30-14.30 Lunch break

14.30 Free time

Entry-level training school on plant genetic resources (PGR)

Thursday, Oct 5 at 9.30 to Friday, Oct 6 at 13.30 Eastern European Time

(One hour earlier on Central European time)

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Thursday, Oct 5, 9.30 EET (8.30 CET)

<https://us06web.zoom.us/j/83849842287?pwd=QT25LVbB1Kr80XxnM4BGAtkuW9aF7F.1>

9.30-11.15 Introduction to PGR (Chair: L Maggioni, ECPGR)

- L Maggioni (ECPGR): *The European Cooperative Programme on Plant Genetic Resources*
- L Escajedo San-Epifanio (Univ of Basque Country): *Access and benefit sharing*

11.15-13.30 Tools for PGR management (Chair: R Schafleitner, The World Vegetable Center)

- L Barchi (Univ of Torino): *Genomic tools for the management and characterization of PGRs*
- Coffee break (30')
- R Schafleitner (The World Vegetable Center): *Phytosanitary tools and techniques*

13.30-14.30 Lunch

14.30-18.00 Ex situ and in situ management of PGR (Chair: N Maxted, Univ of Birmingham)

- T van Hintum (CGN, Wageningen): *Ex situ management of PGR*
- M Castellanos (Univ of Nottingham): *The Nottingham Arabidopsis stock centre*
- N Maghnaoui (CIRAD Montpellier): *A decision support system for genebank managers*
- N Maxted, J Brehm (Univ of Birmingham), V Holubec (Crop Research Institute, Prague): *In situ management of PGR*

Friday, Oct 6, 9.30 EET (8.30 CET)

<https://us06web.zoom.us/j/81048838114?pwd=U5ILGL31jzRIw2mNsL2R4QtC2JO59U.1>

9.30-11.15 PGR in breeding (Chair: J Prohens, Polytechnic Univ of Valencia)

- J Prohens (Polytechnic Univ of Valencia): *Breeding and pre-breeding*
- T van den Boom (BASF Vegetable Seeds, online): *Pre-competitive research on genebank material for commercial use*

11.15-11.45 Coffee break

11.45-13.30 Evaluation and characterization (Chair: S. Goritschnig, ECPGR)

- MJ Díez (Polytechnic Univ of Valencia, online): *Tools and methods for the evaluation of PGR*
- S. Goritschnig (ECPGR): *EVA networks – public-private partnerships to evaluate genebank material for breeding*

13.30-14.30 Lunch

14.30 Meeting ends