

Workshop 4: Accessing plant genetic diversity

What are the obstacles and how can they be overcome?

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Outline presentation

- Introduction to the workshop
 - history: two recent projects that analysed access to PGRFA
- Objectives of the workshop
- Set-up of the workshop

FAO ITPGRFA study – global focus



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- Study of the PGRFA use system on the basis of an online stakeholder survey
 - 289 respondents from 109 countries and the EU. All FAO sub-regions represented.
- Main constraints regarding access to plant genetic material
 - a) Lack of characterization and evaluation of material in a wide range of crop gene pools;
 - b) Non-targeted germplasm collection strategies;
 - c) Complexities of following the legal steps required to obtain germplasm;
 - d) Inadequate data management in national genebanks;
 - e) Lack of information on PGRFA material and traits in the public domain;
 - f) Insufficient information on potential collaborators for crop improvement programmes.



■ Outputs

- FAO ITPGRFA Secretariat (2015) *Development of a Toolbox for Sustainable Use of Plant Genetic Resources for Food and Agriculture*. IT/GB-6/15/Inf.3, Sixth Session of the Governing Body of the International Treaty on Plant Genetic Resources for Food and Agriculture, Rome, Italy, 5–9 October 2015. www.planttreaty.org/sites/default/files/gb6i03e.pdf [Unnamed authors: Kell, S., Maxted, N. and Marino, M.]
- Kell, S., M. Marino and N. Maxted (2017) Bottlenecks in the PGRFA sustainable use system: stakeholders' perspectives. *Euphytica*, in press.

PGR Secure study – focus on Europe



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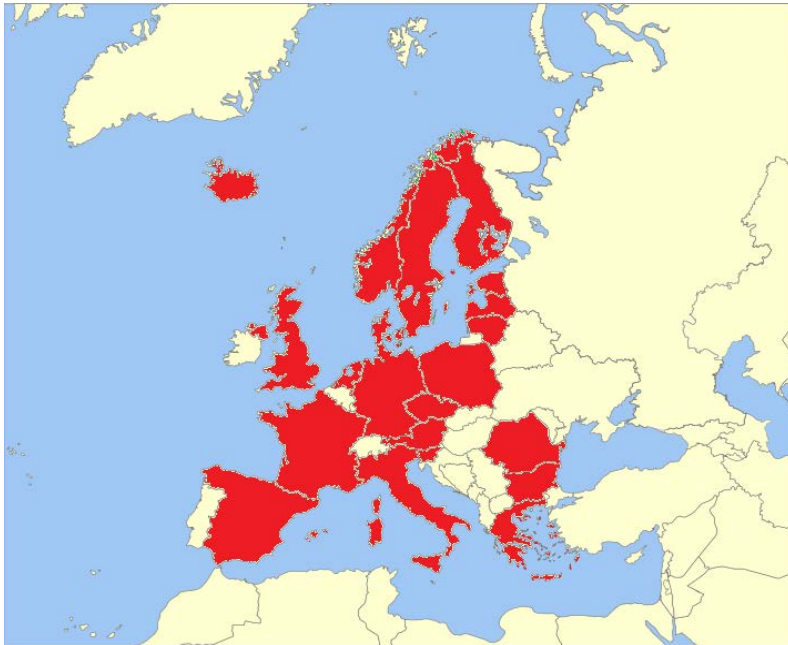
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red: countries in the study

- Collect relevant data on the basis of:
 - semi-structured interviews – using pre-determined questionnaires - 133 interviews in 21 countries
 - on-line questionnaire - 226 respondents
- Use the data obtained for a SWOT analysis of the current situation
- Develop a vision for Europe and a strategy to attain this vision

The PGR Secure study (European focus): main factors causing the problems...

stakeholder	budgets	international PGR agreements	communication
Genebanks	✓	✓	
Public research	✓	✓	
Agro-initiatives	✓	✓	
Private breeders		✓	
Polycymakers			✓

Outputs



Papers:

- Frese, L., A. Palmé, G. Neuhaus, L. Bülow, N. Maxted, G. Poulsen & C. Kik (2016). On the conservation and sustainable use of plant genetic resources in Europe: a stakeholder analysis. In: *Enhancing crop genepool use, capturing wild relative and landrace diversity for crop improvement* (N. Maxted, M.E. Dulloo & B.V. Ford-Lloyd – Eds.). CABI Publ, Wallingford, UK, pp. 388–400.
- Frese, L., A. Palmé, L. Bülow & C. Kik (2016). Towards an improved European plant germplasm system. In: *Enhancing crop genepool use, capturing wild relative and landrace diversity for crop improvement* (N. Maxted, M.E. Dulloo & B.V. Ford-Lloyd – Eds.). CABI Publ, Wallingford, UK, pp. 401–411.

Website:

- <http://wwwdev.nordgen.org/index.php/en/content/view/full/2481/>

Workshop objectives

- Agree on the main factors limiting access to plant genetic material for research and crop improvement
- For each factor, identify what critical changes need to be made to increase the availability, accessibility and use of plant genetic material
- Make recommendations for steps that need to be taken to put the required measures into place

Set-up of the workshop

- Divide in ? subgroups (max. 10 persons/subgroup)
- Subgroup discussions until 10.00
 - at the beginning of the discussion identify a chair and rapporteur per subgroup
 - read the input text
 - provide answers to the objectives and make a powerpoint
- From 10.00–10.30: report by the rapporteurs to the group
- Coffee/tea break 10.30–11.00
 - rapporteurs and convenor prepare group report for plenary (powerpoint)
- From 11.00–12.00: discussion on group reports and formulation and agreement on workshop answers to the objectives; preparation of powerpoint for plenary session 5 (Thursday afternoon)

Workshop input

- Workshop document summarizing the results of both studies
- Links to output documents for further information

Thank you for your attention

More info:

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