

Institute of Grassland
&
Environmental Research



Plas Gogerddan
Aberystwyth
Wales, UK

Genetic Resources Unit, IGER,
Aberystwyth, Wales

EPGRIS2

Further development of the
European Plant Genetic Resources Information
Infrastructure

Genetic Resources Unit, IGER,
Aberystwyth, Wales

Partners

Institute of Grassland and Environmental Research (IGER)	Aberystwyth
Bundesanstalt für Landwirtschaft und Ernährung (BLE) (Federal Agency for Agriculture and Food)	Bonn
Institute National de la Recherche Agronomique (INRA)	Paris
The Nordic Gene Bank (NGB)	Alnarp
International Plant Genetic Resources Institute (IPGRI)	Rome
Stichting Dienst Landbouwkundig Onderzoek (DLO-CGN)	Wageningen
Leibniz Institute of Plant Genetics and Crop Plant Research (IPK)	Gatersleben
Research Institute of Crop Production (RICP)	Praha
Federal Centre for Breeding Research on Cultivated Plants (BAZ)	Quedlinburg

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Overall Objective

Further develop an infrastructure for information on plant genetic resources conserved in European collections

It will extend the quantity, quality and usability of the data in EURISCO and provide tools for transferring, validating and visualising data

Specific Objectives

- (a) Increasing the quantity and quality of data in EURISCO and complementing it with characterisation and evaluation data

Specific Objectives

(b) Provide more efficient, user-friendly methods for data exchange between data providers and EURISCO

Specific Objectives

(c) Provide training and supporting for National Focal Points and others in the new capabilities of EURISCO, and promote its use throughout Europe

Specific Objectives

(d) Implement model portals for four crops important in Europe and a general PGR portal, bringing together information about the crops, their uses, plant genetic resources and other useful data

Specific Objectives

(e) improving the quality of plant names in EURISCO, and extending its search capability to include synonyms and common names in European languages

Work Packages

The work will consist of three scientific work packages (WP02,03,04), supported by a management and coordination work package (WP01)

WP01

Title: Management and Coordination
Leader: IGER, Aberystwyth, Wales

This work package will provide for coordination and the dissemination of the combined results of the other work packages.

The main tasks will be project meetings, production of reports and the creation and maintenance of the project website.

WP02

Title: Infrastructure (standardisation and software)

Leader: NGB, Alnarp, Sweden

Development of a new infrastructure for PGR data and software exchange in a European genetic resources information network based on web services and software components from open source technology and modern software engineering approaches.

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WP03

Title: Training (local curation and uploading)
Leader: IPGRI, Rome, Italy

This work package will address the increased demand for training and technical support by the information experts in charge of managing and sharing biodiversity data at the national level.

WP04

Title: User Interfaces (crop portals and general PGR portal)
Leader: CGN, Wageningen, the Netherlands

The creation of four user-driven crop-specific portals (lettuce, *Lolium*, *Beta* and barley) and one general PGR portal providing user-friendly access to functionalities of importance to the anticipated users of plant genetic resources and information about these resources.

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Summary

- increase the quantity and quality of data in EURISCO to include characterisation and evaluation as well as passport data
- enhancement of data flow from gene banks via National Inventories (NIs) to the EURISCO search catalogue by improving the underlying IT architecture.
- training and supporting National Focal Points and others in the new capabilities of EURISCO, and building up the human network to promote and disseminate EURISCO to maximise its usage throughout Europe.
- implementing model portals for four crops of European importance, bringing together information about the crops, their uses, plant genetic resources, germplasm access and other useful data as well as a general Plant Genetic Resources (PGR) portal.
- improving the quality of plant names in EURISCO and original providers' databases and implementing a search capability to include synonyms and a large number of known common plant names.