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This document describes the work packages to be processed in 2019 for hosting and maintaining the European search catalogue for plant genetic resources (EURISCO), and for coordinating the EURISCO network.

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1 Work plan for the EURISCO development

1.1 *WP1: Extension of the intranet support mechanism for National Inventories (permanent activity)*

1.1.1 Extension for crop-specific passport data

In the frame of the ECPGR Grant Scheme Activity “ImprovLoliumCol”, EURISCO will be extended for the management of crop group-specific passport descriptors. It was frequently asked by various ECPGR crop WGs to develop a possibility of providing additional information not included in the MCPD standard. Thus, a general extension will be developed in consultation with the Doc&Info WG; the basic EURISCO-MCPD format will not be touched.

1.1.2 DOI registration service

In 2018, a DOI service in collaboration with the International Treaty on Plant Genetic Resources for Food and Agriculture was proposed. This service will be implemented in 2019. EURISCO has all necessary passport data (incl. regular updates). It will act as a mediator in the registration process and will hand over the issued DOIs to the respective genebank.

1.1.3 Extension for SSR data

On the 10th ECPGR Steering Committee meeting, the wish was expressed to extend EURISCO for SSR data. This is considered feasible. The development of the necessary infrastructure (data structures, upload/check possibilities) will be started and requirements for visualisation will be collected (to be continued in 2020).

1.1.4 Update how-to documents

In connection with the developments described above, the how-to documents for National Inventory Focal Points will be updated.

1.2 *WP2: Extension of functionality of the public EURISCO application (permanent activity)*

1.2.1 Implementation of general improvements

End of 2017, a user survey was conducted among the National Inventory Focal Points/National Coordinators in order to gather structured feedback and to collect new requirements for the public EURISCO web application. The main feature requests were

- improvements of the search and filter as well as the download possibilities,
- adding accession images,
- standardise crop names,
- adding additional reports,
- additional statistics for C&E data.

The implementation was already started (see work plan 2018), mainly focussing on improvements of filter and search possibilities, and will be continued in 2019.

This task will be one of the main activities of the EURISCO development in 2019.

End of 2019, two structured interviews will be performed with selected users in order to check if the improvements meet the users' needs.

1.2.2 Improvement of taxonomy searches

In the frame of the project "EURISCO taxonomy", the taxonomy support was extended by an infrastructure for mapping data provided to EURISCO onto taxonomic repositories. This included a significant improvement of the taxonomic search functionality of the public web interface (incl. suggestions, synonyms). However, the improved taxonomic search is not available yet for the advanced search module; this should be addressed in 2019.

1.2.3 Crop-specific passport data

Based on the extension of EURISCO for crop-specific passport data (see section 1.1.1), the visualisation of these data will be implemented in the public web interface.

1.2.4 Crop portal for forages

In 2018, the European Poa Database was developed into a crop portal, which is updated with passport and phenotypic data from EURISCO automatically. Based on this blueprint, a forage crop portal will be developed in collaboration with the ECPGR Forage WG.

1.3 WP3: Documentation and planning of the next steps

In parallel to the implementation processes, all developments will be documented.

Furthermore, the next development steps (WP1-2) will be specified in detail.

2 Schedule

	Work package	2019			
		Q1	Q2	Q3	Q4
1	Upload mechanism extension				
	Extension for crop-specific passport data				
	DOI registration service				
	Extension for SSR data				
	Update how-to documents				
2	Extension of functionality of public application				
	Implementation of general improvements				
	Improvement of taxonomy searches				
	Crop-specific passport data				
	Crop portal for forages				
3	Documentation and planning				

3 Coordination tasks

3.1 Coordination task 1: EURISCO network maintenance

As a continuous activity, the contact to (potential) EURISCO stakeholders will also be intensified in 2019. The aim is to raise the awareness of EURISCO for breeders, researchers and also on political level by demonstrating the potentials of this common European approach. In this context, public awareness materials will be updated continuously. Potentials for presenting EURISCO (posters, talks) will be exploited.

Furthermore, feedback to the EURISCO users will be provided by regularly issuing the EURISCO newsletter (e-bulletin). We aim again at issuing a newsletter twice a year (June/December).

This will be complemented by direct, personal communication with the users, e.g., for supporting updates, provisioning of specific database queries and special data export formats, discussion about future developments etc.

Additional support will be provided for National Inventory Focal Points for cleansing/compiling C&E data for inclusion in EURISCO. Especially with regard to a comparability of data from different experiments and/or institutes, a discussion about a possible mapping of traits/methods onto ontology terms will be pushed. It will be evaluated how and to which extent EURISCO could support such a mapping process.

3.2 Coordination task 2: Coordination of the EURISCO development

The coordination of the future EURISCO development mainly comprises (i) the definition of new services, (ii) the advancement of current standards and (iii) the discussion and definition of new standards.

For reaching common goals, the EURISCO coordination will explore all possibilities for coordination with initiatives such as Genesys and the GLIS under the International Treaty, respectively.

In order to improve the coverage of EURISCO, we will focus on bilateral communication with the respective National Focal Points / National Coordinators. This will be a permanent activity. In this context, the EURISCO coordination will participate in activities under the ECPGR Grant Scheme.

3.3 Coordination task 3: Participation in project proposals

An indispensable task of the EURISCO coordination is to participate in the preparation of project proposals in order to acquire additional funding for the future development of EURISCO.

Support/supervision will be provided for ongoing projects. Currently, the EURISCO coordination participates in the three Horizon 2020 projects “EUCLEG” (work package lead) and “Farmer’s pride” (task lead) as well as “GenRes Bridge”. Especially in case of the project “Farmer’s pride”, a considerable effort will be put into the development of a concept for the extension of EURISCO for *in situ* data. This task was started in 2018.

In 2018, the ECPGR Steering Committee established the European Evaluation Network. The EURISCO coordination will support the preparation of the proposal for an initial project (coordinated by the ECPGR Secretariat), which will be submitted to the German Federal Office for Agriculture and Food.

Preliminary works will be performed and, in case of funding, the personnel necessary for the extension of EURISCO will be supervised.

In 2018, a first analysis of the International Database for Beta (IDBB) was performed with the aim of integrating its data into EURISCO. This task will be continued.