



ECPGR Activity Grant Scheme Proposal Form

Fourth Call

Activity Proposal

Activity	
Full title	GRIN-Global Workshop 2017 for European Genebanks
Acronym (or short title)	GRIN-Global
Duration of Activity (in months)	0.5
Starting date	In 2017, to be decided

Applying Working Group(s)

	Working Group	Indicate name and surname of Working Group Chair
1.	Doc&Info WG	Theo J.L. van Hintum
2.		
3.		
4.		

Activity Coordinator

Activity Coordinator	
Name and Surname	Ludmila Papoušková
Nationality	Czech
Current position	Documentation Manager
Institute	Crop Research Institute (CRI), Gene Bank, Prague
Country	Czech Republic
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**ECPGR Activity Grant Scheme
Proposal Form**

Fourth Call

Activity Partners

Please note that each partner needs to be a member of a Working Group's Pool of Experts to be eligible.

A maximum of 12 funded partners can be listed. For self-funded partners please use the separate box below.

Partner ID No.	Name and Surname	Institute	Country
1	Marina Antic	Genetic Resources Institute, University of Banja Luka	Bosnia and Herzegovina
2	Raimondas Baltrenas	Plant Gene Bank	Lithuania
3	Cezar Ciobanitei	Banca de Resurse Genetice Vegetale Suceava	Romania
4	Roel Hoekstra	Centre for Genetic Resources, The Netherlands (CGN)	the Netherlands
5	Wolfgang Kainz	Austrian Agency for Healths and Food Safety Ltd.	Austria
6	Iryna Matys	RUE "Scientific Practical Centre of the NAS of Belarus for Arable Farming"	Belarus
7	Vladimír Meglič	Agricultural Institute of Slovenia	Slovenia
8	Parthenopi Ralli	Institute of Plant Breeding and Phytogenetic Resources	Greece
9	Chris Turnbull	University of Reading	UK
10	Jozi Jerman Cvelbar	Ministry of Agriculture, Forestry and Food	Slovenia
11	Milena Savic Ivanov ¹	Ministry of Agriculture and Environmental Protection	Serbia
12	Belul Gixhari ¹	Institute of Plant Genetic Resources	Albania

Self-funded partners

Partner No.	Name and Surname	Institute	Country	Role
1	Zoya Kazlouskaya	Institute for Fruit Growing of NAS of Belarus	Belarus	Participant
2	Mariam Betsiashvili	Agricultural University of Georgia	Georgia	Participant
3	Martin Reisinger	Consultant (GRIN-Global Training & Documentation for the USDA & other international genebanks)	USA	Trainer
4	Juan Carlos Alarcón	International Maize and Wheat Improvement	Mexico	Trainer

¹ As yet unclear if this partner is eligible

**ECPGR Activity Grant Scheme
Proposal Form**

Fourth Call

		Centre (CIMMYT)		
5	Ludmila Papoušková	CRI Prague	Czech Republic	Organiser
6	Stephan Weise	IPK Gatersleben	Germany	

**ECPGR Activity Grant Scheme
Proposal Form**

Fourth Call

Description of Activity

Describe the Activity - (max. 1000 words):

Background

The European Cooperative Programme for Plant Genetic Resources (ECPGR) maintains the European Search Catalogue for Plant Genetic Resources (EURISCO), hosted by the Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Gatersleben, Germany. It provides a platform for documentation of PGR within Europe. During recent years EURISCO has made a concentrated effort to improve not only the quantity but also the quality of the data included in the catalogue. Besides passport data it has started to incorporate characterisation and evaluation (C&E) data. However the quality of data in EURISCO fully depends on the quality of data provided from the European genebanks. Documentation is often a weak aspect of the management of PGR in many genebanks in Europe. Generally the financial resources required to improve this situation are lacking.

One way to improve this situation would be to have a common modular documentation system that can be implemented in any genebank. GRIN-Global has been developed to do exactly that, and is freely available for all plant genebanks in the world.

In 2008, the Global Crop Diversity Trust gave a grant to USDA/ARS and Bioversity International to enhance and expand the U.S. Germplasm Resource Information Network (GRIN) to meet global germplasm information management needs. The first version, 1.0.7, was released in December 2011 in a joint effort by the Global Crop Diversity Trust, Bioversity International, and the Agricultural Research Service of the USDA. The U.S. National Plant Germplasm System version (1.9.4.2) entered into production on November 30, 2015.

GRIN-Global is a software enabling genebanks to store and manage information associated with plant genetic resources and to deliver that information globally. Researchers, educators, and breeders around the world can request germplasm through the GRIN-Global websites. More than 20 institutions are either currently using GRIN-Global in production or are evaluating it.

There are no licensing fees for providers and the system operates on open source software. For global use there is an option to display the system in any language when translation is provided. It also provides access to a worldwide plant taxonomy database and the possibility to document not only *ex-situ* collections but also *in-situ* and on-farm collections.

GRIN-Global is a client-server application that is typically hosted on an organization's server. Alternatively, small institutes can opt to load the GRIN-Global database on a stand-alone PC. Adapting GRIN-Global provides a great opportunity for genebanks to improve their documentation management and consequently to publish their data on the international level.

Justification

Knowledge about and application of GRIN-Global could solve the 'documentation issues' of

**ECPGR Activity Grant Scheme
Proposal Form**

Fourth Call

many genebanks in Europe, thus improving the quality of documentation and reducing the associated costs. As CRI Prague is the first European genebank to fully employ GRIN-Global, it is the most appropriate AEGIS Associate Member Institution to host this meeting, as it will be able to share its experiences first hand.

Approach

The aim of this Activity is to present and familiarize genebanks with the GRIN-Global system during a workshop held in CRI Prague. Interested participants will get the opportunity to try GRIN-Global in a test environment installed on the CRI server under the guidance of specialized trainers. A short report about the training will be produced.

The workshop will be organised in collaboration with the Global Crop Diversity Trust that will cover the costs of the trainers (that will have to be flown in from the US). The Trust will also fund a few additional participants.

The fund requested from ECPGR Activity Grant Scheme will be used to cover the travel costs (accommodation, meals, flights) for the paid participants, cost for local IT support and the workshop dinner. The conference room in CRI Prague would be provided in-kind.

Expected impact

The project will result in an increased knowledge about GRIN-Global amongst European PGR actors, possibly followed by the adoption of GRIN-Global in one or more genebanks and the subsequent improvement of the documentation of PGR in Europe.

**ECPGR Activity Grant Scheme
Proposal Form**

Fourth Call

Expected products and related ECPGR Objectives

List concrete products and results that are obtained by the Activity and the corresponding number(s) of the ECPGR Outcome(s) and/or Output(s) and/or Activities to which each product/result will contribute.

Corresponding ECPGR outcome, output, activity
Outcome 2. Quantity and quality of data in EURISCO, including <i>in situ</i> and on-farm data, have been increased. Functionality of EURISCO meets users' expectations.
Output 2.1. Participants who implement the documentation system GRIN-Global will also improve the quality and completeness of data providing into EURISCO
Output 2.1. Participants who implement the documentation system GRIN-Global will also get the possibility to record <i>in-situ</i> and on-farm data

	Expected products/results
1	Knowledge of participants about the documentation system GRIN-Global suitable for the PGR documentation management worldwide
2	Short report about the training course

Workplan for the proposed period of the Activity

Brief description of meetings and/or main actions of the Activity.

	Type of Action <i>(indicate if "meeting" or "other action")</i>
1	Other action – preparation of trainings materials and a training environment on the hosting server
2	Workshop – GRIN-Global training workshop for 12 participants from the Doc&Info WG; 3 days
3	Other action – short workshop report

Additional remarks

Indicate any additional remark(s) that is/are important for the evaluation/implementation of the proposed Activity

Remarks:
The cost of trainers will be covered by the Global Crop Diversity Trust.
A few participants funded by the Global Crop Diversity Trust may join the workshop.

**Please send the completed form together with the budget table to the
Chair of the submitting Working Group for submission of the Activity proposal.**