



# ECPGR Activity Grant Scheme Proposal Form

**Third Call – Phase X (2019-2023)**

## Activity Proposal

Activity	
Full title	GRIN-Global Workshop 2021 for European Genebanks
Acronym (or short title)	GRIN-Global II
Duration of Activity (in months)	6
Start date – End date <i>Please indicate start date not earlier than 3 months after deadline of Call</i>	September 2020 – February 2021

## 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
Working Group	Doc&Info WG
Nationality	Czech
Current position	Genebank manager
Institute	Crop Research Institute (CRI)
Country	Czech Republic
Telephone	+420233022374
Email	papouskova@vurv.cz

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**Activity Partners (ECPGR-funded)**

*Please note that each partner needs to be a member of an ECPGR Working Group to be eligible for funding. For self-funded partners please use the separate box below.*

Partner ID No.	Name and Surname	Institute	Country
1	Jan Svensson	NordGen	Sweden
2	Ana Maria Barata	INIAV	Portugal
3	Charlotte Allender	University of Warwick	UK
4	Cezar Ciobanitei	Banca de Resurse Genetice Vegetale Suceava	Romania
5	Belul Gixhari	Institute of Plant Genetic Resources (Agricultural University of Tirana)	Albania
6	Gordana Duric	University of Banja Luka	Bosnia and Herzegovina
7	Iryna Markevich	Research and Practical Center of the National Academy of Sciences of Belarus for Arable Farming	Belarus
8	Vahur Kukk	Estonian Crop Research Institute	Estonia
9	Milena Savič Ivanov	Ministry of Agriculture, Forestry and Water Management	Serbia
10	Merja Hartikainen	Natural Resources Institute	Finland
11	Georgios Koubouris	Institute of Olive Tree, Subtropical Crops & Viticulture	Greece
12	Lubomir Mendel	Research Institute of Plant Production	Slovakia
13	Jelka Šuštar Vozlič	Agricultural Institute of Slovenia	Slovenia
14	Audrey Didier	GEVES	France
15	Parthenopi Ralli	Institute of Olive Tree, Subtropical Crops & Viticulture	Greece

***Self-funded partners***

Partner No.	Name and Surname	Institute	Country
1	Ludmila Papoušková	CRI Prague	Czech Republic
2	Stephan Weise	IPK Gatersleben	Germany
3	Maria Antonietta Palombi	CREA	Italy
4	Tomasz Viscardi	Research Institute of Horticulture	Poland
5	Mariusz Chojnowski	Research Institute of Horticulture	Poland
6	Afig Mammadov	National Academy of Sciences	Azerbaijan

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**Description of Activity (suggested max. 1000 words)**

*Please address the following aspects:*

– **Background:** Explain the context behind the choice of this Activity, e.g. why this has been prioritized or selected. If this is the continuation of a preceding Activity, please indicate how and why the new Activity will build on previous results/experiences.

In 2017 the 1st GRIN-Global workshop for European genebanks was held in Prague (the Fourth Call, Phase IX). In 2017 only three European genebanks, INIAV, ISOPLexis and CRI had migrated their data to GRIN-Global. During the workshop several other genebanks expressed their interest in migrating to GRIN-Global but to our knowledge only NordGen is today in the process to migrate to GG.

NordGen plans to migrate their data to GG during 2020 to create a multinational GG installation with data for all national genebanks in the Nordic and Baltic countries in addition to data on the Nordic seed collection held at NordGen. Therefore, the number of European genebanks implementing GRIN-Global is rapidly increasing and there is now a need to create a “European GRIN-Global Network”.

Several institutions provide support for the GRIN-Global user community; the USDA Agricultural Research Service (USDA ARS), CIMMYT GRIN-Global Help Desk and from the GRIN-Global International community. Development of GRIN-Global is done by USDA and in some specific cases, for example, reporting of data to EURISCO (both passport and C&E data), a unified approach of European genebanks, needs to be discussed and applied. It is important to exchange experiences with the system among “old” and “new” users and also to share the experience with deployment and running of the system with other potential users. Each genebank that adopts the system can contribute to the constant development of GRIN-Global, which is open and flexible. GRIN-Global is improving according to the needs of different genebanks within the world so it would be beneficial to have more European users of GRIN-Global.

The primary aim of this activity is to provide know-how and expertise to genebanks interested to migrate to GRIN-Global and secondly to initiate the development of a European GRIN-Global Network. Fulfilment of these aims would lead to quality improvement of European documentation of PGRFA and stronger collaboration among European genebanks.

– **Justification:** Explain why this Activity is justified in terms of making progress towards achieving the ECPGR objectives.

The improvement of the documentation of PGRFA in European genebanks will enhance the quality of data reported to EURISCO and increase the amount of C&E data in EURISCO. This would also increase the value for breeders and to support the AEGIS collection. GRIN-Global enables to record all type of conservation, both *ex situ*, and *in situ* data.

These activities are clearly addressed in ECPGR objective 2 in the current phase X (2019–2023).

Moreover, with more European genebanks using the same system, the unification of stored information will also lead to simplifying the situation for users of PGRFA to find relevant information. This will also help to facilitate the updating of data in EURISCO.

– **Rationale for the choice of partners:** Explain why the selected partners are the most suitable to carry out the proposed Activity and briefly describe their respective roles in the Activity.

All selected partners are most suitable to carry the proposed activity.

Jan Svensson (NordGen) – GRIN-Global project leader in NordGen, co-manager of the Activity, leader of the workshop; ECPGR barley WG chair

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Ana Maria Barata (INIAV) - GRIN-Global project leader in INIAV and MAP W.G. Chair

National coordinators (Audrey Didier, Milena Savič Ivanov, Jelka Šuštar Vozlič) – represent countries interested in GRIN-Global

Genebank managers – from genebanks interested in GRIN-Global

Stephan Weise – EURISCO coordinator

Ludmila Papoušková - GRIN-Global project leader in CRI

– **Methodology or Approach:** Explain how the partners will operate. Clearly explain who is expected to do what. Also explain the rationale of meeting (or not) as part of the Activity. Include a Gantt Chart, to illustrate the work breakdown structure of the project.

The preparation for the workshop (will start in September 2020 and the workshop is supposed to be held at the end of February 2021 in CRI, Prague, Czech Republic and lead by Jan Svensson and Marty Reisinger (consultant to the USDA). Marty Reisinger is the GRIN-Global expert who will introduce past, present, and future of GRIN-Global. He can also present an international GRIN-Global community, including the international GG technical committee.

Structure of the workshop:

1<sup>st</sup> day (half a day)

- Presentation of GRIN-Global to possible users part 1

2<sup>nd</sup> day

- Presentation of GRIN-Global to possible users part 2
- Presentation of migration workflow to possible users

3<sup>rd</sup> day

- Past, present and future of GRIN-Global (what is needed and nice to have)
- GRIN-Global x EURISCO
- EURISCO x GENESYS

4<sup>th</sup> day (half a day)

- European GRIN-Global Network and the support to AEGIS implementation
- Q&A

– **Description of genetic material:** If your Activity is focusing on genetic material, please describe in detail, as far as possible, who is providing this genetic material, its status and the number of accessions under investigation (for example: *This Activity aims at molecularly analysing / safety-duplicating / evaluating / collecting XY accessions (listed) of “Genus species”, provided by genebank Z/ farmers in country W /to be collected in country P..., etc.*).

Not applicable.

– **Expected impact.** Clearly specify the expected impact from this Activity for the respective ECPGR objective(s), compared to the current state of progress of those same objectives. Explain how the impact will be obtained.

With a highly function documentation system is easier to fulfil objectives set by ECPGR for Phase X concerning documentation of PGRFA, mainly: 2.1. (All National Focal Points (NFPs) update national *ex situ* inventories effectively and timely), 2.2. (C&E data in EURISCO included, with high quality and wide coverage) and 2.3. (Inclusion of relevant *in situ* CWR data in EURISCO realized).

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– ***Links with other non-ECPGR projects or individuals:*** If applicable, clearly explain the objectives of the linked projects and the reasons for complementarity with the ECPGR Activity.

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**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.*

	Expected products/results	Corresponding ECPGR output, activity
1	Better quality of data in participated genebanks	2.1.
2	Better quality of data reported to Eurisco from participated genebanks	2.2.
3	Possibility to record <i>in situ</i> in the database	2.3.
4	Strengthen the collaboration among European genebanks	

**Workplan for the proposed period of the Activity**

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

	Type of Action (indicate if “meeting” or “other action”)
1	The action of this Activity is the meeting (workshop). The aim of the meeting is to two-fold: provide know-how and expertise to genebanks interested in migrating to GRIN-Global and to initiate the development of a European GRIN-Global Network. This would lead to quality improvement of European documentation of PGRFA and stronger collaboration among European genebanks.
2	
3	
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