

ECPGR Activity Grant Scheme Proposal Form

Second Call

Activity Proposal

Activity	
Full title	AEGIS progress and improved access to data on European Forage PGR
Acronym (or short title)	ForageDataAccess
Duration of Activity (in months)	15
Starting date	2016-09-01

Applying Working Group(s)

Working Group	Indicate name and surname of Working Group Chair
1. WG Forages	Anna Palmé
2. WG Doc&Info	Ian D. Thomas as contact person
3.	
4.	

Activity Coordinator

Activity Coordinator	
Name and Surname	Anna Palmé
Nationality	Swedish
Current position	Senior Scientist
Institute	Nordic Genetic Resource Centre
Country	Sweden
Telephone	+46 (0)40 53 66 42
Email	anna.palme@nordgen.org

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	Anna Palmé (activity coordinator; task 1.1-1.4, 2.1-2.5)	NordGen (the Nordic Genetic Resource Centre)	Sweden
2	Stephan Weise (lead task 2.4 and 2.5; task 2.1-2.3)	IPK (The Leibniz Institute of Plant Genetics and Crop Plant Research)	Germany
3	Evelin Willner (lead task 2.1; task 1.1-1.3, 2.4 and 2.5)	IPK (The Leibniz Institute of Plant Genetics and Crop Plant Research)	Germany
4	Ian D. Thomas (lead task 1.4, 2.2 and 2.3; task 2.4 and 2.5)	IBERS (The Institute of Biological, Environmental and Rural Sciences, Aberystwyth University)	United Kingdom
5	Petter Marum (lead task 1.1-1.3; task 1.4, 2.2-2.5)	Graminor AS	Norway
6	Aurélia Priet (task 1.1-1.3)	Unité de Recherche Pluri-disciplinaire Prairies et Plantes Fourragères	France
7	Maria Stamatova (task 1.1, 1.3, 1.4, 2.1, 2.3-2.5)	Institute of Plant Genetic Resources	Bulgaria
8	Wilhelm Graiss (task 1.1-1.3, 2.4 and 2.5)	HBLFA (Höhere Bundeslehr- und Forschungsanstalt Raumberg-Gumpenstein, Abteilung für Vegetationsmanagement im Alpenraum)	Austria
9	Kjell-Åke Lundblad (task 2.1, 2.4 and 2.5)	NordGen (the Nordic Genetic Resource Centre)	Sweden
10	Valentin Maya Blanco (task 2.4 and 2.5)	CICYTEX (Centro de Investigaciones Científicas y Tecnológicas de Extremadura)	Spain
11	Bartosz Tomaszewski (task 1.1-1.3, 2.4 and 2.5)	Plant Breeding and Acclimatization Institute	Poland
12			

Self-funded partners

Partner No.	Name and Surname	Institute	Country
1	Christoph Grieder (task 1.4, 2.1 and 2.2)	Agroscope	Switzerland
2			
3			
4			
5			
6			

Description of Activity

Please address the following aspects: Background – Justification – Methodology or Approach – Expected impact.

Describe the Activity (max. 500 words):

Background

The task of establishing the European Forage Collection (EFC) is far from finished and the Forage WG would like to continue working towards this goal and to improve the access to high quality data on European forage PGR (Plant Genetic Resources)

Aim

The aims of this activity are (1) to continue to work towards the establishment of the EFC and (2) to improve the quality and quantity of data in EURISCO, improve data base functions as well as the visibility of forage accessions in this data base (establish a Forage Crop Portal).

Approach

This activity will include: (A) Preparatory phase, where activity leaders will plan and initiate a Participatory Process on the tasks described below; (B) a workshop with the aim to give input on the initiated work; (C) the Participatory Process will continue after the workshop and finally the results will be documented and future activities planned. The workshop will be held together with the Barley ECPGR working group, if both groups receive funding, and will include both common and separate sessions.

Tasks and justification

1. Continue the work towards the establishment of a high quality EFC according to the principles of AEGIS. (Outcome 1 in “Objectives of ECPGR for phase IX”). The following tasks will be performed:
 - 1.1 Continue the evaluation of progress of the selection of AEGIS candidates and encourage collection holders to flag forage accessions for inclusion in the EFC (Activity 1.2.1)
 - 1.2 Conduct an in-depth study focused on a few selected collections to identify the reason behind non-inclusion in the EFC (Activity 1.2.1)
 - 1.3 Based on this, evaluate what would be needed to increase the number of accessions in the EFC and plan future actions targeted at increasing the number of AEGIS accessions. (Activity 1.2.1)
 - 1.4 Verification of accessions and data on accessions in the EFC: 1) Identify errors in genus, species, crop name, variety names, latitude and longitude 2) Identify duplicates (Activity 1.2.2)
2. Work towards improved quality and increased quantity of data in EURISCO and also improved visibility and use of accessions in the EFC. (Outcome 2, outputs 2.1, 2.2 and 2.4 in “Objectives of ECPGR for phase IX”). The following tasks will be performed:
 - 2.1 Entering C&E data of forage accessions into EURISCO. Development of a 1) Demo version for C&E data in EURISCO (tested with forage data sets from different genebanks), 2) Procedure for data flow (technical and legal aspects), 3) “Official procedure test” (Activity 2.2.1)
 - 2.2 Include forage-specific descriptors into EURISCO: 1) Extract the fields from the Crop Databases that are not in EURISCO and make a separate table, 2) Discuss with the Forage WG, the ECPGR and EURISCO about how this information can be conserved in EURISCO. (Activity 2.4.2)
 - 2.3 Initiate the development a European crop portal for forages (gateway). Set up a crop portal presenting data on the forage accessions in EURISCO and also information on, and links to, the European forage collections.
 - 2.4 Use data in the ECCDBs to identify potential gaps in EURISCO and inform the National Focal Points of these gaps (2.1.1)
 - 2.5 Evaluate if new features in EURISCO could be developed to facilitate the AEGIS process (Facilitate activity 1.2.1, activity 2.4.2).

Expected impact

Tasks 1.1-1.4 will result in an increased number of accessions in the EFC, a better understanding of what actions are needed to increase the number of accessions and identification of duplicates and errors. Task 2.1-2.5 will result in improved quality and increased quantity of data in EURISCO, improved data base functions as well as improved visibility of the forage accessions in EURISCO. See

“Expected products” below for more details.

ECPGR Objective(s)

Objectives must be feasible and achievable within the project timeline. Please list here the corresponding number(s) of the ECPGR Outcome(s) and/or Output(s) and/or Activities to which your proposed Activity will contribute. The logframe describing ECPGR objectives is available from the website.

List ECPGR outcomes, outputs, activities to which this Activity contributes:

Task 1.1-1.4:

Outcome 1(AEGIS is operational...): Activities 1.2.1 and 1.2.2

Task 2.1-2.5:

Outcome 2 (Quantity and quality of data in EURISCO...): Activities 2.1.1, 2.2.1 and 2.4.2

Outcome 1(AEGIS is operational...): Activity 1.2.1

Expected products

List concrete products and results that are obtained by the Activity

Expected products/results
Task 1.1-1.4 <ol style="list-style-type: none"> 1) Increased number of accessions in the EFC 2) Better understanding of the actions needed to expand the EFC 3) Plans on how the Forage WG should work to increase the number of accessions in the EFC (including concrete plans for future applications) 4) Identification of duplicates present in the EFC 5) Identification of data errors in the EFC
Task 2.1-2.5: <ol style="list-style-type: none"> 1) Development of the approach for inclusion of characterization and evaluation data on forages into EURISCO as well as uploading of data 2) Development of new features in EURISCO to facilitate the AEGIS process and to present forage specific descriptors (if this is deemed useful) 3) A beta version of European crop portal for forages (gateway) 4) Identification of potential gaps in EURISCO and delivery of this information to relevant national focal points.

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")	Description
1. Preparatory activities	Initiate the Participatory Process on the tasks described above
2. Workshop for all participants	A workshop with the aim to <ol style="list-style-type: none"> 1) present the progress on all tasks 2) give input on the work each tasks. In particular discuss what would be needed to increase the number of accessions in EFC, features of the demo version for uploading C&E data into EURISCO, the need for forage-specific descriptors in EURISCO, if there are features in EURISCO that could be developed to facilitate the AEGIS process and what features that should be included in a European crop portal for forages 3) give an opportunity for knowledge exchange.
3. Post workshop activities	<ol style="list-style-type: none"> 1) Continuation of the Participatory Process on the tasks described above 2) Documentation of the outcomes of the project.

Additional remarks

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

Remarks:

To the workshop we would like to invite an external speaker to talk about the GBIF data portal. The aim is information exchange and to gain an insight into their experience on setting up a gateway to biodiversity information. This can potentially facilitate the work on developing the European crop portal for forages.

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