

PRIVATE PUBLIC PARTNERSHIPS

Increasing ECPGR knowledge and opportunities on
Private Public Partnerships for the use of
Plant Genetic Resources for Food and Agriculture



H2020 funding opportunity

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PPP project phase II, second workshop, 27-28 March 2018, Maccaresse, Italy

Upcoming call for proposals



TOPIC : Genetic resources and pre-breeding communities

Topic identifier: SFS-28-2018-2019-2020

Publication date: 27 October 2017

Types of action: RIA Research and Innovation action

DeadlineModel: two-stage

Opening date: 16 October 2018

Deadline: 23 January 2019 17:00:00

2nd stage Deadline: 04 September 2019 17:00:00

Specific Challenge

Genetic resources play a crucial role in agricultural activities and sustainable forest management in Europe. They hold the **key to the adaptation** of plants and animals to a **changing and more variable climate**, yet their **diversity remains largely underused in current breeding, farming** and forest management. Conservation efforts (in-situ, ex-situ) aim to capture, preserve and make available a substantial share of these global assets. However, **access to resources is often limited by the quality of the material and the information provided** by the various conservation sites. With increasing concerns over biodiversity loss and genetic erosion, there is **a need to step up collaborative efforts to expand and improve the preservation as well as the use** of plant and animal GenRes in farming and forestry.

Scope

A range of activities implemented by a wide range of stakeholders will seek to enhance management and use of GenRes and implement global commitments in this area. While the focus of activities is on Europe, international resources and activities shall be taken into account.

B. [2019]: Adding value to plant GenRes (RIA)

Activities will address **processes, tools and know-how** associated with a **dynamic management and documentation of GenRes collections** (both ex-situ and in-situ, as appropriate). They will add value to the preserved germplasm to promote its use, e.g. in breeding, farming, forestry and by consumers. Work will enable the development and testing of a range of solutions to enhance quality and efficiency of operations and services across collections. **Major efforts should go into capturing and characterising the genetic diversity in germplasm and revealing novel information to users.** This will include acquiring comprehensive and more precise genotypic and phenotypic information on GenRes material, understanding the connections between the two, how they vary in different environmental contexts and having in place appropriate (bioinformatic) tools for data processing, exchange and visualisation. Due account shall be given to **disclosing the potential of less adapted material** from genebanks/in-situ conservation sites **in relation to valuable traits associated with resilience, adaptability and quality of crops.**

Proposals should foresee a task for joint activities with other projects financed under this topic.

Call budget

Total Call budget for sub-topic B: **Euro 14 M**

The Commission considers that proposals requesting a contribution from the EU of **7 million** for sub-topic B would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected Impact

Activities will enhance the status of genetic resources and increase effectiveness of conservation efforts, in particular in Europe.

In the short to medium term work will:

- help establishing high quality, **harmonised standards for the management and description of GenRes** across Europe (and beyond);
- **increase the quantity and quality of data in established information systems** for crop, forest and animal GenRes;
- **promote innovative ways of sharing resources and services** between genebanks/in-situ conservation sites in Europe and beyond;
- develop **methods and tools for greater insight** into the characteristics and the value of collections;
- create **novel services for users** within and outside the conservation communities.

In the long term activities will **allow tapping into the vast potential of GenRes** more effectively in order to meet current and future needs of food security, the delivery of non-food products from primary production and support the different functions of forestry.

Types of action: specific provisions and funding rates

Research and innovation actions (RIA) Description: Action primarily consisting of **activities aiming to establish new knowledge** and/or to **explore the feasibility of a new or improved technology, product, process, service or solution**. For this purpose they **may include basic and applied research, technology development and integration, testing and validation** on a small-scale prototype in a laboratory or simulated environment. Projects may contain closely connected but limited **demonstration or pilot activities** aiming to show technical feasibility in a near to operational environment. **Funding rate: 100%**



Open questions

Leader:

Crop(s):

Partnership:

Process: