EGI Strategic and Innovation Fund

Call for projects no. 2 – 2018

Date and Version	24 September 2018 – V.1
Document Link	http://go.egi.eu/fund-2018-2

1 Call for Projects

The EGI Strategic and Innovation Fund is defined by a Terms of Reference and by a Playbook for Applicants (http://go.egi.eu/fund-tor). This document defines the priority investment areas, budget per project and timeline for application for the second call of 2018.

1.1 Investment areas

Priority topic investments

For the second call of 2018, the priority topics for investment are:

- Cloud computing

  o Decrease time of installation and operating

  o Increase user satisfaction

  o Improve capability to manage spot instances and short-term living VMs

  o Add kubernetes support with auto-scaling capability

  o Accelerate adoption of federated authentication

  o Support for cloud bursting scenarios

  o Federate docker repositories

  o Set up and support an interactive training platform

  o Integrate DIRAC and the VMops dashboard for easy deployment of a hybrid HTC/cloud cluster

  o Easy deployment of kubernetes-based services (allowing to deploy some specific service for a community (instead of using a catch-all instance or to do like it's done in the AOD with EC3 clusters)

- Data management

  o Data federation browser into AppDB Ops Dashboard

  o 'Bring your own cloud' concept for VREs and their users

  o Catch-all drop-box like storage for EGI Applications on Demand and other services

  o Bullet-proof usage of legacy X509 data services within an OIDC computation workflow

  o EGI File Catalog (e.g. based on DIRAC, Onedata)

  o Policy-based distributed data management catch-all service

- Software development practices

    o Continuous Integration/Continuous Delivery (CI/CD) for Virtual Appliances

    o EGI and Federated Cloud documentation project 2.0

- Usage accounting

    o Improve user insights / analytics

    o Automatic regular report generation to user communities and service/resource providers

Applications can refer to any type of project supported by the Fund.

Open topic investments

Besides the two aforementioned *Priority Topics* there are also a few spots for projects in other topics, the so-called Open Topic applications. Applications are accepted only for PoC, Prototype and Patch projects.

1.2 Budget and duration

Project type	TRL	Max duration	Max budget
Proof of concept	0-3	3 months	5,000€
Prototype	3-6	6 months	15,000€
Major Innovation	6-9	12 months	50,000€
Patch	6-9	3 months	5,000€

1.3 Timeline

- Sep 24, 2018: start of submission for applications
- Nov 11, 2018: end of submission for applications
- Dec 3, 2018: expected announcement of results