

FORTISSIMO: Factories of the Future Resources, Technology, Infrastructure and Services for Simulation and Modelling

FP7 Project 609029 <http://www.fortissimo-project.eu/>

Call for Proposals for HPC-Cloud Application Experiments

Proposal submission & evaluation criteria

Identifier: Fortissimo Call-2

Call title: New SME modelling and simulation experiments

Project full name: Factories of the Future Resources, Technology, Infrastructure and Services for Simulation and Modelling

Acronym: FORTISSIMO

Grant agreement number: 609029

Deadline: 18th June, 2014, at 17:00 Brussels local time

Expected duration of participation: 1st January 2015 to 30th June 2016

Foreseen budget for Call-2: up to 2 M€ funding for new beneficiaries

Maximum funding request per proposal: 250,000 €

Submission language: English

Internet address for full open call information: www.fortissimo-project.eu/calls

Proposal submission: www.fortissimo-project.eu/calls/submission

E-mail: calls@fortissimo-project.eu

Submission Details

Submission deadline: All submissions must be made by 17:00 Brussels local time, June 18th 2014.

Electronic submission: Proposal submission is exclusively in electronic form using the proposal submission tool accessible via the Fortissimo web-site: <http://www.fortissimo-project.eu/calls/submission>

The central component of proposal submission is the uploading of a PDF-document (whose size must not exceed 3.0 MB) compliant with the proposal structure and formatting instructions given below.

Proposal format and structure: Proposals must be submitted in English and should not exceed 10 pages in length (with text no smaller than 11 point normal font). The structure of the proposal (and indicative length per section) should be as follows:

- Summary (0.5 pages)
- Industrial relevance, potential impact and exploitation plans (3.5 pages)
- Description of the work plan and concept (3 pages)
- Quality of the consortium as a whole and of the individual proposers (2 pages)
- Justification of costs and resources (1 page)

A management structure will be imposed on the successful proposals. That is, the proposal will not need to contain a description of how the resultant project would be managed.

In addition to the 10-page proposal description, a tabular list of proposal participants must be provided. That list must include for each participant the Participant Identification Code (PIC) issued by the European Commission

(<http://ec.europa.eu/research/participants/portal/desktop/en/organisations/register.html>).

An exemplar can be found at <http://www.fortissimo-project.eu/calls/submission>.

The exemplar document includes, in particular, instructions on budgeting for the use of computing resources.

Foreseen budget for Call-2: up to 2 M€ funding for new beneficiaries; the funding for individual experiments should not exceed 250 K€.

Successful applicants will accede to the Fortissimo grant agreement that is governed by Regulation (EC) No 1906/2006 of the European Parliament and of the Council of 18 December 2006 laying down the rules for the participation of undertakings, research centres and universities in actions under the Seventh Framework Programme and for the dissemination of research results (2007-2013) and the EC Grant Agreement and Annex II of the Grant Agreement, Version 7, adopted on 14 December 2012.

Evaluation Criteria

Fortissimo Call-2 targets the augmentation of the current set of application experiments. The new application experiments should provide business relevant investigations and demonstrations of simulation services in the Fortissimo HPC Cloud that have the potential to

create business benefits for manufacturing SMEs. Priority will be given to proposals for experiments which complement the activities already included within Fortissimo. In this context, complementarity is understood to mean activities that address new applications, business cases, industrial sectors and market segments and the enhancement of the project's ability to demonstrate the impact of the Fortissimo approach for a broad set of industrial users. Extensions of existing experiments are thus not considered to be complementary.

Proposed experiments should include all participants necessary for the experiment, which may include HPC experts, HPC Centres or ISVs either already included within or external to the Fortissimo consortium. Experiments will employ the Fortissimo HPC infrastructure using the HPC Centres already involved in the project. Interactions with existing Fortissimo partners is supported by a partnering facility available on the Fortissimo web-site: <http://www.fortissimo-project.eu/calls/partnering>.

Innovation in the experiments shall be addressed at two levels:

- (1) Users get "one-stop-shop" access to simulation technologies novel for them, including expertise and tools for visualisation, analytics, customisation and integration. In addition, they are provided with dynamic, easy and affordable access to computing resources;
- (2) independent software vendors and simulation service providers, supported by competence centres, port their applications to a cloud of HPC resources and run experiments with those cloud-based-service and business models in controlled environments.

The criteria for evaluation will comprise:

1. Impact including industrial relevance and exploitation plans;
2. Soundness of concept, innovation and quality of the work plan;
3. Quality of the consortium as a whole and of the individual proposers
4. Effective and justified deployment of resources

Each criterion will carry a score ranging from 0 to 5. There will be a threshold score of 3 that will apply to the first three criteria. The first criterion will have a weight of 2, the other criteria a weight of 1.