Announcement of 2nd Open Call for CloudFlow

CloudFlow - Computational Cloud Services and Workflows for Agile Engineering - is a European Integrating Project (IP) in the framework of Factories of the Future (FoF) that aims at making Cloud infrastructures a practical solution for manufacturing industries, esp. small and medium sized enterprises (SMEs). The objective of CloudFlow is to ease the access to computationally demanding virtual product development and simulation tools, such as CAD, CAM, CFD, FEM, PLM, etc., and make their use more affordable by providing them as engineering Cloud services.

CloudFlow is a project which is open for new (teams of) participants. With this announcement we would like to make you aware of our upcoming Call / Request for Proposals to initiate the creative process of generating ideas for *Application Experiments*. Small consortia consisting of 1 to 4 partners (end users, software providers, HPC/Cloud infrastructure providers and research organizations) have the opportunity to propose use cases from manufacturing industries to be run in the framework of CloudFlow. Seven *Application Experiments* are planned to be funded in this call.

Application Experiments: We are looking for innovative use cases in product and process development/simulation. The use cases shall be selected based on their high potential to benefit from Cloud technology for easier and more affordable access to complex computational engineering services and workflows. We especially welcome use cases addressing stages in the virtual product development of mechatronic systems, such as design, simulation, optimization, visualization, …, and covering workflows along the value chain in and across companies. Simulation of manufacturing processes/tools is another innovative field for use cases. The use cases have to be driven by the end user, a manufacturing company, preferably an SME.

Why participate? Proposers will have the opportunity …

- to investigate and gather experience on Cloud Computing options for their use case,
- to explore technical benefits, e.g. better product verification by more accurate simulation results using HPC-Cloud resources and
- to examine Cloud-based business options and their impact.

What does CloudFlow offer?

- Vendor-independent Cloud infrastructure already containing computational engineering applications and services, such as CAD, CAM, CFD, PLM, etc., on which new experiments can be built to extend the range of service offers via the CloudFlow Portal.
- A tailored HPC-Cloud infrastructure (with a contractual environment protecting IPR).
- Independent evaluation of experiments against your requirements.
- Experiences from 13 currently running experiments including consultancy on business models and participation in the I4MS ecosystem (www.i4ms.eu).

CloudFlow provides more information about its 2nd Open Call from now on (information material, FAQ, webinar, etc.). If you are interested please contact us under: info@eu-cloudflow.eu or see our web-page: http://www.eu-cloudflow.eu

Publication date	Closing date	Duration of experiment	Funding (EC contribution)[1]
30.6.2015	**30.9.2015**	**9 months (1. Jan. to 30. Sep. 2016)**	**approx. 30 to 90 K€ per experiment depending on number of partners**

[1] The FP7 funding rules for EC contributions apply, i.e. 75% for validated SMEs and research organizations, 50% for larger industries. In addition to this funding, technical support from the CloudFlow Competence Center is available.