

# **INFRA-2010-1.2.2:** Simulation software and services

European Commission, DG INFSO  
GEANT & e-Infrastructures Unit



e-infrastructure

INFORMATION EVENT ON THE e-INFRASTRUCTURE 7<sup>TH</sup> CALL  
BRUSSELS, 18 June 2009



## Important dates

### Tentative timetable

- Info day: 18.06.2009
- Call publication: 30.07.2009
- Closing date: 24.11.2009
- Evaluation: Dec 2009 – Feb 2010



# Objectives

- General objectives:
  - multi-disciplinary and multi-scale "in silico" experimentation and simulation, ensuring the ability to fully and timely exploit high-performance and distributed computing capabilities
  - integrating scientific application software in the European e-Infrastructure
- More specifically:
  - development, adaptation and maintenance of scientific software on dynamically evolving hardware platforms
  - deployment of a computational science infrastructure through models, tools, algorithms and simulation and visualisation techniques
  - promotion of appropriate software standards to provide scalability, evolution and interoperation in integrated platforms



## Expected Impact

- exploiting the highest quality computational and data resources
- strengthening Europe's international role as software producer and user
- unified community of computational scientists as an essential element of e-Infrastructures
- addressing the computing needs of the research community



## Examples of activities

- Integration and adaptation of existing scientific application software to fully exploit leadership class or distributed computing e-Infrastructure
- Development and maintenance of models, tools, algorithms and simulation and visualisation techniques for new scientific applications
- Development of simulation software that will have broad impact in a research field and will be made available through appropriate licensing schemes for open source software
- Improve simulation and algorithmic scalability using techniques that better exploit multi-threaded, highly parallel, hierarchical architectures
- Create adequate programming models to fully exploit the computational capabilities of evolving computing architectures
- Create, adapt and maintain modular simulation software that will be portable to multiple systems



## Budget & Call Information

- **Indicative budget**

EUR 12 million

- **Funding Scheme**

Combination of Collaborative projects  
and Coordination and Support Actions  
(CP-CSA)



## **Contact & Further Information**

- Contact

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- Further information

**[http://cordis.europa.eu/fp7/ict/e-infrastructure/calls\\_en.html](http://cordis.europa.eu/fp7/ict/e-infrastructure/calls_en.html)**

