

## UBIVERTEX - Letter of Intention

Institute/Company

Name: Barcelona Supercomputing Center

Country: SPAIN

Activity domain: Research in Computer Science

Number of employees: ☐ <50    ☒ <250    ☐ > 500

Name of the department/research team: Grid Computing and Clusters

Scientific contact

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Challenge descriptions:

The main objective of our group is the development of a programming model that enables applications in different large scale distributed platform. This programming model, COMPSs/ServiceSs takes as input a sequential application with annotations and it is able to parallelize it at task level and run it in a distributed platform: clusters, grids and clouds. Currently we are integrating also web services as part of the application codes.

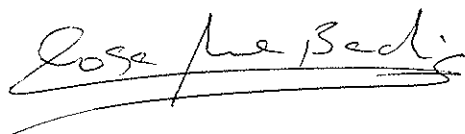
In this respect, the research activities developed in our team will benefit if the proposal UBIVERTEX becomes a fact, since could be used as a testbed for new developments and test of current applications.

This is specially true for the fact that it is not that easy to find virtualized platforms that are accessible for free to research projects.

Type of commitment (internship, Phd grant, engineering staff): PhD and engineering staff

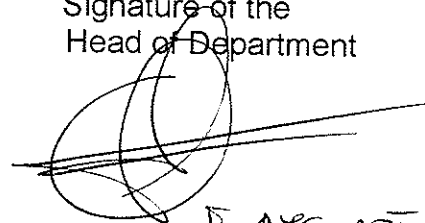
Number of persons involved in these challenges: 10

Signature of  
Scientific Contact:



Date: 12 September 2011

Signature of the  
Head of Department



E. AYGUADE  
Date: 12 September 2011