

UBIVERTEX - Letter of Intention

Institute/Company

Name: Université Pierre et Marie Curie – Paris 6 Country: France

Activity domain: University

Number of employees: <50 <250 > 500

Name of the department/research team: LIP6

Scientific contact

Name: Guy Pujolle

Mail: Guy.Pujolle@lip6.fr

Phone: 01 44 27 75 14

Challenge descriptions:

The platform will address the following key challenges:

- Open and provision on demand and on the fly virtual networks.
- Merging virtual networks and cloud resources through federation.
- Maintaining, piloting, and maximising the efficiency of virtual resources through migration, expansion, release, and adaptation of the virtual resources depending on increasing or decreasing in demand and load, as well as on context changes.
- Maximising the efficiency of the network between the various virtual resources using energy criteria and metrics to achieve a green experimental facility, while maintaining the best topology and connectivity at all times.

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

2 internships

1 Ph D students

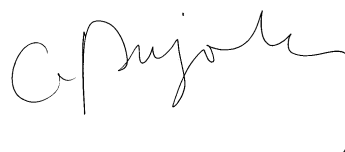
1 engineering staff

Number of persons involved in these challenges: 5

Signature of
Scientific Contact:
Guy Pujolle



Signature of the
Project Coordinator:
Guy Pujolle



Date: 1 septembre 2011

Date: