



# **H2020 EU-Brazil Coordinated Call**

**EUB1: Cloud computing, including security aspects**

**NCP Training**

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## EUB1–2015: Cloud Computing, including security aspects

**Specific Challenge:** data are motivating a profound transformation in the culture and conduct of scientific research in every field of science and engineering. Advancements in this area are required in terms of **cloud-centric applications** for big data, as well as in **creating novel cloud technologies** that provide **effective utilization and optimization** of heterogeneous resources (such as storage and communications) in big data scenarios, in particular addressing **privacy, security** and other **Quality-of-Service** issues\*

\* In line with statement of EU Heads of State and Government in October 2013

## EUB1–2015: scope

### Research and Innovation Actions (RIA)

- The focus of the joint research will be the **development of innovative technologies combining advanced Clouds and Big Data approaches** to address the challenges stemming from different application domains in business and societal contexts. The **technologies developed** should take into account **interoperability and data portability** issues and aim towards future standardization

### Coordinated and Support Actions (CSA)

- One CSA for the **research** coordination and **policy activities**, including **research** roadmapping and supporting further future common activities, i.e. dissemination, organisation of workshops, preparation of future coordinated call topics, etc.

# Expected impact

The joint EU-Brazil **research** will **develop innovative technologies** in the area of cloud based service provision by integrating approaches and aspects of distributed Clouds and Big Data

This collaboration will facilitate **policy coordination** in the relevant areas between the EU and Brazil, subsequently to be expanded to other LAC partners. In particular:

- Facilitate the development of **cloud-enabled applications** through robust standardized global technologies
- Development of **technologies integrating cloud and big data** in terms of **architecture, middleware and services**
- Joint contributions to International Standardization and/or Forum activities



# Types of Action

**Research and Innovation Actions:** proposals requesting a EU contribution of **€1.5 million** would allow this specific challenge to be addressed appropriately. Total indicative budget = **€3.0 million**

**Coordination and Support Actions:** proposals requesting a EU contribution of **€0.5 million** would allow this specific challenge to be addressed appropriately

Nonetheless, this does not preclude submission and selection of proposals requesting other amounts



## Further information

### *Horizon 2020*

<http://ec.europa.eu/programmes/horizon2020/>

### *Participants Portal*

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>

### *EU-Brazil R&D Cooperation in Advanced Cyber Infrastructure*

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-eub-2015.html#tab2>

### *Digital Agenda – Cloud Computing*

<https://ec.europa.eu/digital-agenda/en/telecoms-and-internet/cloud-computing>