



H2020-EUB-2017

4th EU-Brazil Coordinated Call





PROPOSERS' DAY
26-27 SEPT. 2016
BRATISLAVA



4th EU-Brazil Coordinated Call EUB-2017

Dr. Jorge Pereira
DG CONNECT, E.1





Successful Cooperation

EUB-2011

EUB-2013

EUB-2015

EUB-2017



First Cooperation Workshop University of Sao Paulo

> Themes for the first Coordinated Call



PROPOSERS' DAY
26-27 SEPT. 2016
BRATISLAVA



1st Coordinated Call, launched in 2010 (5M€+Eq.)

5 approved projects

- BEMO-COFRA
- OpenBio
- BRSecFuNet
- PodiTrodi
- FIBRE



PROPOSERS' DAY
26-27 SEPT. 2016
BRATISLAVA



- 2nd Coordinated Call, launched in 2012 (5M€+Eq.)

4 approved projects

- EUBrazilCC
- IMPRESS
- GLOBAL ITV
- RESCUER



PROPOSERS' DAY
26-27 SEPT. 2016
BRATISLAVA



- 3rd Coordinated Call, launched in 2014² (7M€+Eq.)

5 approved projects

- **EUB-1 Cloud Computing, including security aspects**

- EUBRAZILFORUM
- EUBRA-BIGSEA
- SECURECLOUD

- **EUB-2 High Performance Computing**

- HPC4E

- **EUB-3 Experimental Platforms**

- FUTEBOL



PROPOSERS' DAY
26-27 SEPT. 2016
BRATISLAVA



H2020-EUB-2017

Total budget: 8 M€ EU contribution + BR Eq.

EUB-01-2017	Cloud Computing	2.4 M€
EUB-02-2017	IoT Pilots	4.5 M€
EUB-03-2017	5G Networks	1.0 M€



PROPOSERS' DAY
26-27 SEPT. 2016
BRATISLAVA



H2020-EUB-2017

Dates

Call opening: 8th November 2016

Call deadline: **14th March 2017**

➤ The proposed project duration shall not exceed **36 months**

ONE Project

1 DoW



TWO Contracts



PROPOSERS' DAY
26-27 SEPT. 2016
BRATISLAVA



Additional eligibility criteria

- Participants in the EU collaborative projects are required to conclude a **coordination agreement** with the participants in the coordinated project funded by the **RNP (Rede Nacional de Ensino e Pesquisa - Brazilian National Research and Education Network)**. A draft of this agreement has to be provided with the proposal.
- Proposals submitted to this call which do not include coordination with [the corresponding] Brazilian proposal submitted to RNP for evaluation will be considered ineligible.



EUB-03-2017

5G NETWORKS



Specific Challenge

- 5G is expected not only to boost the services already provided by 4G (LTE-Advanced-PRO), but also to enable several **new services and applications in multiple environments**.
- **5G standardisation** started in 2016 and is expected to extend until 2020 for a full specification. There is still significant work to carry out to make sure that the **multiple technologies** contemplated for 5G will meet the **full range of service requirements**.
- **Early validation** with the widest possible footprint of candidate technologies for 5G is hence needed to support global consensus based on "derisked" technologies.



PROPOSERS' DAY
26-27 SEPT. 2016
BRATISLAVA



Scope

- **Test and validate** technologies currently contemplated for early 5G standardisation, **primarily at radio access level** but with a **clear use case focus**.
- Address specific vertical use case scenarios:
 - **massive Machine-type Communications (mMTC) or Ultra-Reliable and Low-Latency Communications (URLL) OR**
 - **coverage of low population density areas.** For this latter case, validation of spectrum options is in scope.



PROPOSERS' DAY
26-27 SEPT. 2016
BRATISLAVA



Testing and validation

- The testing and validation of technologies supporting core 5G standards is expected to be carried out through prototypes and user experiments.



PROPOSERS' DAY
26-27 SEPT. 2016
BRATISLAVA



Expected Impact

- To support the development of **innovative technologies** in the context of 5G radio access or core network, to provide solutions for demanding requirements of [relevant] "vertical" sectors or for coverage of low density regions.



PROPOSERS' DAY
26-27 SEPT. 2016
BRATISLAVA



Other impacts

- novel contributions on 5G standards in support of global industry consensus,
- support and spin off contributions to the ITU/3G PP standardisation roadmaps, e.g. through submission of joint contributions in these fora by EU and Brazilian players,
- validation of 5G use cases applicable to low density regions **or** mMTC/URLL scenarios.



PROPOSERS' DAY
26-27 SEPT. 2016
BRATISLAVA



Type of Action and Funding

Research and Innovation action

- The Commission considers that proposals requesting a contribution from the EU of **EUR 1 million** would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.



PROPOSERS' DAY
26-27 SEPT. 2016
BRATISLAVA



Contact

EU-Brazil Call Coordinator

Topic Coordinator 5G Networks

Dr. Jorge Pereira,
DG CONNECT E.1

Jorge.Pereira@ec.europa.eu

