



Workshop on **Cloud Networks**



Cloudscape Brazil 2016

FEDERATING CLOUD E-INFRASTRUCTURES AND CREATING NEW MARKETS



CSBC 2016

XXXVI Congresso da Sociedade Brasileira de Computação



Coordinated Support Action Project

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Consortia

• U C



Waterford Institute of Technology
INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE



UnB



UFSC



Some history

🕒 EUBR 2009 – September

- 🕒 First cooperation workshop in Escola Politécnica de São Paulo, supported by SEPIN and DG-Connect
- 🕒 Result : 1° Coordinated Call, launched in 2010, 5 approved projects :
 - BEMO-COFRA – Markus Eisenhauer, Fraunhofer FIT, DE; Judith Kelner, UF Pernambuco,
 - OpenBio – Ignacio Blanquer, UPV, ES; Vanderlei Canhos, CRIA,
 - BRSecFuNet – Djamel H. Sadok, UF Pernambuco, BR
 - PodiTrodi – Manuel Steidle, CERTI, BR; Andreas Morschhauser, Fraunhofer FIBRE – Sebastià Sallent, i2CAT, ES; Antônio Abelém, UFPA, BR

Some history

© 2013 : Launched 2° Coordinated Call

- EUBrazilCC – Francisco Brasileiro, UF Campina Grande, BR; Ignacio Blanquer, UPV, ES
- IMPRESS – Djamel H. Sadok, UF Pernambuco, BR; Markus Eisenhauer, Fraunhofer FIT, DE
- GLOBAL ITV – Marcelo Knörich Zuffo, USP, BR
- RESCUER – Karina Villela, Fraunhofer IESE, DE; Manoel Mendonça, UF Bahia, BR

Some history

© 2014 : EUBR 2014, in CSBC 2014 in Brasília and creation of a WG for the 4^o Coordinated call

© 3^o Coordinated Call

Cloud Computing

- EUBrasilCloudForum (CSA)
- BigSea
- SecureCloud

High-Performance Computing

- HPC4E

Experimental Platforms

- Futebol

What is the focus of EUBrasilCloudForum ?

- ◎ Structure a community driven engagement forum for EU-Brazil policy and research and innovation dialogues;
- ◎ Deliver a EU-Brazil Research and Innovation Roadmap and Action Plan related to Cloud Computing;
- ◎ Build a web based EU-BR Service Platform to promote and market the results from the EU-Brazil community as well as showcasing success stories;
- ◎ Organization and support for focused EU-BR Cloud Computing Events including EU-BR policy dialogue, Cloudscape Brazil annual events, cooperation workshops and major EU-BR conferences.



Consortium unique value-add

- 12 Members of EU-BR 2016 working group
- Active roles @ EU-BR Policy & ICT dialogues
- 2 White Papers on common topic for cooperation



Mapping EU-BR ICT success stories & research know-how

- Skills and competences
- EU-BR projects & research results



Community building

- EU-BR Opinion Leaders Group (12 experts)
- Socio-economic impact report
- Discussion fora for innovation & standardisation
- Working groups

EU-Brazil Roadmap

- Business models
- Cloud, security, open data
- Obstacles & challenges for collaboration
- Legal guidelines

Marketplace for research & business uptake

- Industry, SMEs & Start-ups: uptake of cloud solutions
- PPP for cloud & open data services

Online Market Place

- 10 EU-BR Cloud success stories & best practices for market uptake
- 15 CSP offerings showcased



Leaving a legacy

- SIG proposal
- EU-BR Cloud computing community engaged (400)



Concertation-style workshops

- 2 Cloudscape Brazil events
- 2 WCN - Workshops on Cloud Networks at CSBC
- 2 EU-BR Policy dialogues



Expected Impacts

- ◎ Improved knowledge of the frameworks on cloud and open data services in Europe and Brazil → list of conditions to the creation of links between Europe and Brazil
- ◎ Taking into account the evolving security, privacy and trust aspects of cloud computing, increasing the confidence of cross border take-up of international hybrid cloud systems

Expected Impacts

- ◎ Improved awareness by Start-ups and SMEs of the market sectors strategic for the development of business on cloud and big data management and of the rules and financial instruments to improve it across the two regions
- ◎ Improved awareness for European actors of infrastructural bottlenecks and legal and regulatory constraints of working with Brazil and vice versa, as well as delivery of a call to action to government to overcome these barriers

Expected Impacts

- © Delivery of a set of guidelines for a win-win cooperation that could pave the way towards a growth of digital economies in both regions, i.e. boosting investments in Brazil and job creation in the European Union

Fostering the Cooperation

EUROPE

BRAZIL



Advisory Board

- Andrea Bondavalli, Professor of Computer Science at the University of Firenze.
- Karin K. Breitman, General Manager of the Brazil R&D Center, EMC, Brazil
- Heber Fialho Maia Junior, General Coordination of Management and IT Governance, Secretariat of Logistic and IT, Dept. of Governance and Information Systems, Ministry of Planning, Brazil
- Demi Getschko, Member of the Brazilian Internet Steering Committee (CGI.br)
- Flávio Lenz Cesar, Anatel Counselor
- Felipe Matos, Chief Startup Farmer and Advisory Board
- Philippe O.A. Navaux, Professor at the Universidade Federal of Rio Grande do Sul and Computer Science Area Director of CAPES
- José Luiz Ribeiro Filho, Director of Services and Solutions of the Brazilian National Education and Research Network (RNP), Brazil
- Michel Ridiguel, Head of the Department of Computer Science and Networks, Telecom ParisTech, France
- Alfonso Ríos Alonso, Cloud Computing Director, Indra Sistemas, Spain
- Flávio Wagner, Professor at the Federal University of Rio Grande do Sul (UFRGS) and Member of the Brazilian Internet Steering Committee (CGI.br)
- Ognjen Prnjec, European and Regional e-Infrastructure Manager in the Greek Research and Technology Network
- Afonso Lamounier Jr., Vice President Government Relations, SAP Latin America and Caribbean, SAP
- Ciro Ferreira, Counselor, SEPIN/Ministry of Science, Technology and Innovation, Brasil
- Ignacio Blanquer, Professor of the Polytechnic University of Valencia, representing the BIGSEA project
- Andrey Brito, Professor of the Federal University of Campina Grande, representing the SecureCloud Project
- Fabio Martinelli, National Research Council of Italy, representing the NECS project (European Network for Cybersecurity).
- Alvaro Coutinho (UFRJ), Professor of UFRJ, representing the HPC4E project

Events in 2016

🕒 January 28th and 29th, kick-off Meeting in Coimbra, Portugal



Events in 2016

© March 18th, Rio de Janeiro, Consertation Meeting



Future Events in 2016

- ◎ Political Dialogue Brazil – Europe
 - ◎ Bruxelles, November 2016
 - ◎ Expected result : future topics for 5^o Coordinated Call