

# EU-Mexico Workshop: Exploring common research interests in the Future Networks and Cloud Computing

Workshop date: March 20<sup>th</sup> 2014, Athens Greece  
Megaron Athens International Conference Centre  
Workshop Agenda

## Aim of the workshop:

- ❖ to bring together EU and Mexican projects/initiatives with similar scopes and objectives to favour information exchanges for the mutual benefits of future research activities;
- ❖ to identify a limited and focused set of research issues of common interests in the two regions which could form the basis of specific joint research in the various upcoming implementations of the Horizon 2020 research programme.

**14:00 – 14:30 Registration**

**14:30 – 14:55 Welcome and Opening Remarks (*Room Delos*)**

- **EU:** Mario Campolargo, Director Net Futures, DG CONNECT

- **Mexico:**

Minister Fernando Sandoval Flores, Embassy of Mexico in Athens

Neil Hernández, Head of the Mexican Delegation

**Chair:** Ken Ducatel, Head of Unit, Software & Services and Cloud, DG CONNECT

## 15:00 – 18:00 Breakout sessions

### Stream A: Future Networks (*Room Zeus*)

15:00 – 18:00

**EU Moderator: Ari Sorsaniemi; Mexico Moderator: Raúl Monroy**

**Focus/Rationale:** This session will explore the status and research trends in EU and Mexico primarily on wireless (SDN, NFV, physical layer) and optical network technologies, and also on Internet of Things.

The goal is to identify topics for future research in these domains.

#### EU speakers:

- **Speaker 1** Juan Pedro Fernandez-Palacios Gimenez, Telefonica I+D, "Carrier SDN architectures for heterogeneous networks"
- **Speaker 3** Diego López, Telefónica, "The Network Abstraction Track. Aiming at Complete ICT"
- **Speaker 5** Panagiotis Demestichas, Univ. of Piraeus, "towards Smart Wireless Access and Internet of Things"
- **Speaker 7** Dimitra Simeonidou, University of Bristol, "Enabling High Performance Data Centre Solutions and Cloud Services Through Novel Optical DC Architectures"
- **Speaker 9** Arturo Azcorra, IMDEA, "Benefits and challenges of cloud technologies for 5G (ref to iJoin project)"
- **Speaker 11** Raul Muñoz, Centre Tecnològic de Telecomunicacions de Catalunya, "Research activities on flexible optical infrastructure and SDN for network convergence, virtualization and inter-datacentre connectivity"

#### Mexico speakers:

- **Speaker 2** Javier Rubio, Research Scientist and Academic Coordinator, Centro de Investigación y de Estudios Avanzados del Instituto Politecnico Nacional (CINVESTAV).  
Title of presentation: "*On-demand deployment of software driven infrastructures to support QoS and isolated service provision across services and multiple domains*"

### Stream B: Cloud Computing (*Room Delos*)

15:00 – 18:00

**EU Moderator: Maria Tsakali; Mexico Moderator: Salma Jalife**

**Focus/Rationale:** This session will explore on-going research activities in EU and Mexico regarding Cloud Computing topics such as: Cloud computing federations across continent; Open source cloud software solutions and joint development; Intercontinental virtual research communities; and Open access data infrastructures; SLA and Trust Management for Clouds; Cloud computing knowledge networks; Big data; Virtualization techniques for Energy, Health, Climate Change, Natural Disasters; mobile Cloud; Cloud access through Science Gateway. The aim is to identify and specify the areas where joint research is needed to build up a federated Cloud environment, in which services and data can be hosted and executed efficiently across borders. The focus of the joint research will be to develop technologies leading to global and interoperable standards thus allowing portability of cloud applications and services.

#### Target EU speakers:

- **Speaker 1** Keith Jeffery, Keith G Jeffery Consultants, "PaaS: Current research and Cooperation Opportunities"
- **Speaker 3** Vincent Dollet, CTO, Appear Networks, "Cross-platform context-aware applications in transport and construction (MobiCloud)"
- **Speaker 5** Ricardo Jimenez, Universidad Politecnica de Madrid, "Ultra-Scalable Cloud Data Management and PaaS"
- **Speaker 7** Francesco D'Andria, ATOS, "Current Research Topics & Challenges in Cloud Computing"
- **Speaker 9** Dimitrios Tsoumakos, ATHENA Research and Innovation Center, "CELRAR: Automatic, multi-grained elasticity- provisioning for the Cloud"
- **Speaker 11** Ignacio M. Llorente, Project Director OpenNebula, "Open Research and Technology Challenges in Cloud Computing - The OpenNebula Perspective"

#### Target Mexico speakers:

- **Speaker 2** Alfredo Sánchez, Mexican Technology Platform on Future Internet Executive

<p>- <b>Speaker 4</b> Javier Solis, Research coordinator of Competitiveness, Fondo de Información y Documentación para la Industria (INFOTEC). <i>“Internet of Things platform”</i></p> <p>- <b>Speaker 6</b> Raúl Aquino, STC. Researcher in cloud computing and future Internet at the University of Colima and CEO of the STR Corporation for the Technological Development and Innovation. <i>“Integrating Digital Services in a Smart City”</i></p> <p>- <b>Speaker 8</b> Raúl Monroy, Professor, Instituto Tecnológico y de Estudios Superiores (ITESM). <i>“Netsec: current research and opportunities for collaboration”</i></p> <p>- <b>Speaker 10</b> Guillermo Safa/Carmen Agüero, President/Secretariat of the Mexican Technology Platform (MTP) on Future Internet. <i>“Mexican Technology Platform on Future Internet: Cooperation Opportunities with Mexican ICT Industry on Future Internet field”</i></p> <p>-<b>Speaker 12</b> Raúl Acosta, Technology Development Sub-Director, <i>“Urban Computing”</i></p> <p><b>EC Responsible: Ari SORSANIEMI</b> <b>Mexico Responsible: Raúl MONROY</b></p>	<p>Committee/Chairman &amp; CEO, QSLAB; <i>“Match Making Tool for entailment of FI TWG, innovation clusters, participating companies and research centers”</i></p> <p>- <b>Speaker 4</b> Luis Villa, Director, Computing Research Center at IPN. <i>“Cloud services to address education challenge in Mexico”</i></p> <p>- <b>Speaker 6</b> Alberto Muñoz, Chief Innovation Officer, Camara Nacional de la Industria Electronica de Telecomunicaciones y Tecnologías de la Información (CANIETI). <i>“Plenum Group, an applied Information Technology R&amp;D &amp; Innovation SME in Yucatan, México and CANIETI”</i></p> <p>- <b>Speaker 8</b> Miguel González, Professor-Researcher, Instituto Tecnológico y de Estudios Superiores (ITESM). <i>“Towards an interoperable Big Data Framework for ubiquitous personalized services”</i></p> <p>- <b>Speaker 10</b> Miguel Ramírez, Secretariat of the Mexican Technology Platform (MTP) on Cloud Computing. <i>“Nessi – Mex Thematic working group of the software and Service Mexican Industry”</i></p> <p>- <b>Speaker 12</b> Salma Jalife, International Affairs Coordinator, Cooperación Universitaria para el Desarrollo de Internet (CUDI). <i>“Cloud Computing for Academic Networks”</i></p> <p><b>EC Responsible: Maria TSAKALI</b> <b>Mexico Responsible: Salma JALIFE</b></p>
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**16:00-16:30 Coffee break**

**16:30 – 18:00 Breakout sessions cont'd...**

**18:00 – 18:30**  
**Reporting 5' Session Chairs**  
**Conclusions and Wrap up of the Joint Workshop**