



EUROPEAN COMMISSION

Directorate-General for Communications Networks, Content and Technology

Future Networks
Cloud and Software

Agenda

Cloud Computing Research Innovation Challenges for WP 2018-2020 Workshop

Brussels 7 November 2016

BU25 0/S1, Avenue Beaulieu 25, Brussels

Welcome		
08:30	09:00	Registration
09:00	09:10	Welcome
09:10	09:20	Beyond Cloud Computing: Towards Complete Computing Lutz SCHUBERT, HOLACloud
Session I: Future Research Topics in Cloud Computing (Part 1) Chair: Maria TSAKALI (DG CNECT)		
09:20	09:30	NESSI : Challenges for cloud computing and beyond Valère ROBIN, NESSI
09:30	09:40	Nokia contribution to Cloud Research consultation WP 2018-2020 Josef URBAN, Nokia Solutions and Networks Management International GmbH, Bell Labs
09:40	09:50	Atos Cloud Computing Continuum vision David GARCIA PEREZ, ATOS
09:50	10:00	NATRES Recommendations for WP18-20 Dana PETCU, NATRES cluster

10:00	10:10	Inter-cloud Challenges, Expectations and Issues contribution Ana JUAN FERRER, Inter-cloud Challenges, Expectations and Issues Cluster
10:10	10:20	Challenges for Cloud Computing and Software Kevin Doolin, Waterford Institute of Technology, TSSG
10:20	10:40	Question and Answer
10:40	11:00	Coffee Break
Session II: Cloud Computing for Science and Beyond Chair: Dirk VAN ROOY (DG CNECT)		
11:00	11:10	CERN input to the Consultation on Cloud Computing Research Innovation Challenges Bob Jones, CERN
11:10	11:20	Cloud infrastructure placement: Do we want to pay three times more? Per Öster, CSC - IT Center for Science Ltd
11:20	11:30	Enabling Data-Intensive Federations Malcolm ATKINSON, University of Edinburgh
11:30	11:40	Cloud Computing Research Innovation Challenges Matthew DOVEY, Jisc Technologies
11:40	11:50	Fundamentals of a numerical cloud computing for applied sciences – Preparing cloud computing for ‘Simulation-as-a-Service’ Markus GEVELER, TU Dortmund
11:50	12:10	Question and Answer
12:10	13:10	Lunch
Session III: Security, Privacy and Societal Challenges in Cloud Computing Chair: Lars PEDERSEN (DG CNECT)		
13:10	13:20	Challenges for trustworthy (multi-)Cloud-based services in the Digital Single Market Massimiliano Rak
13:20	13:30	An Approach for Cloud Services that Protect Privacy, Data and

		Digital Identity by Design Cedric THOMAS, OW2
13:30	13:40	Enabling international scientific research: Call for hybrid cloud systems and supportive instruments by the application of the EU-US Privacy Shield Fruzsina MOLNAR-GABOR, Heidelberg Academy of Sciences and Humanities
13:40	14:00	Question and Answer
Session IV: Further Research Topics in Cloud Chair: Francisco MEDEIROS (DG CNECT)		
14:00	14:10	OCCIware Open Standards Challenges for Cloud Computing Iyad ALSHABANI, Activeeon (<i>TBC</i>)
14:10	14:20	Orange Vision of the Cloud Computing Research & Innovation Challenges for WP 2018-2020 Valère ROBIN, Orange
14:20	14:30	Research Issues for Future Cloud Infrastructures, Inria Position Paper Frédéric DESPREZ, INRIA
14:40	15:00	Question and Answer
15:00	15:30	Coffee Break
Session V: Vertical Cloud Applications and Edge/Fog Computing Chair: Odysseas PYROVOLAKIS (DG CNECT)		
15:30	15:40	Flexible frameworks for large-scale cloud computing in Biology and Health in Europe Jan KORBEL, EMBL
15:40	15:50	Decentralized Solutions for Proximity Clouds Silvio CRETTI, CREATE-NET
15:50	16:00	Cloud Computing Challenges in the 5G Era Leire ORUE-ECHEVARRIA, TECNALIA RESEARCH & INNOVATION
16:00	16:10	Cloud technologies for the media sector

		Ralf NEUDEL, IRT (<i>TBC</i>)
16:10	16:20	Proposed research areas for Cloud Computing Pawel SKRZYPEK, 7bulls.com
16:20	16:40	Question and Answer
16:40	16:50	Next Steps