



FIREWORKS

Usage of facilities

Session moderators

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Objective

- The **objective** of this session is to understand the results and conclusions of the cross-topic sessions held on 23 November and to develop a roadmap for further work in the area of “Usage of FIRE facilities and experimentally driven research” group.
- The session should conclude with the identification of topics and session formats for the next FIA to be held in April 2010 in Valencia, Spain.



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Agenda (i)

Introduction Conclusions from session “Deploying on FIRE”	Anastasius Gavras, Eurescom GmbH	5 min
Doing experimentally-driven research on WISEBED - preparations, deployment, evaluation	Mesut Günes, Freie Universität Berlin	15 min
Future P2P systems and experiments	Charalabos Skianis, Aegean Univ.	15 min
Conclusions from session “What does it mean to conduct experimentally driven research?”	Nancy Alonistioti, Univ. of Athens	10 min
Experimentation experiences in N4C	Maria Uden, Lulea University of Technology, Sweden	15 min



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Agenda (ii)

Towards being Always Best Connected – the PERIMETER way	Markus Fiedler, Blekinge Institute of Technology, Sweden	15 min
Experimentation process for the assessment of Self-management behaviour in FI	Nancy Alonistioti, Univ. of Athens	15 min
Experimentation driven traffic monitoring and engineering research	Amir Krifa, INRIA	15 min
Plenary discussion, conclusions	Moderators, Anastasius Gavras, Nancy Alonistitoti	15 min



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Conclusions from session III.3

Deploying on FIRE



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Focus on Software and Services

- Explore the application of the Infrastructure as a Service (IaaS) cloud paradigm on the FIRE testbeds
- Case: Deploy Open Nebula/Reservoir solutions for managing clouds
 - On reproducibility – Support for basic SLAs, mimic current commercial clouds



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Focus on Trust and Identity

- **Provide e-Identity facilities**
- **Provide quarantine areas of the testbed**
 - **Observing and monitoring attacks on systems in the public internet (e.g. Honeynets)**
 - **Provision of ‘trust services’ e.g. eID on which more trustworthy services can be constructed**
 - **Experimental identification of technical vulnerabilities in systems**
- **Experimental work with ‘real’ end users (e.g. living labs)**



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Agenda

Introduction	Anastasius Gavras, Eurescom GmbH	3 min
Deploying Service Experiments on FIRE: A OpenNebula / RESERVOIR Perspective	Philippe Massonet, CETIC	18 min
Federated Clouds	Sebastian Wahle, Fraunhofer FOKUS	18 min
Provide quarantine areas of the testbed	Nick Wainwright, HP Labs	18 min
Deploying isolated testbeds	Mauro Campanella, GARR	18 min
Plenary:What actions are necessary for creating specifications to satisfy such requirements	All Rapporteur: Anastasius Gavras	15 min



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Agree on aspects such as ...

- A common language for resource descriptions
- A common language to describe experiments
- A common language to describe results
- Standardized APIs to access resources
- Single sign-on / one-stop shop – i.e., a common approach for managing user credentials