

# Management and Service-aware Architectures (MANA) WG

Caretakers: Alex Galis, Henrik Abramowicz, Marcus Brunner

**FIA Prague 12<sup>th</sup> May 2009**



# MANA Session Objectives

**MANA Scope:** *Service-aware Networking Infrastructures for Future Internet*

- Connectivity-to-network, network-to-network services, network service-to-service computing clouds, and other service-oriented infrastructures.
- Cross-domain interoperability and deployment.
- Optimal orchestration of available resources and systems; Interrelation and unification of the communication, storage, content and computation substrata.
- Management systems, including increased levels of self-awareness and self-management (i.e. all self-\* functions).

**MANA BO Objectives:**

- *Review Architectural approaches for Future Internet*
- Identification and analysis of MANA research orientation & capabilities
- Analysis of 4 groups of Scenarios for Future Internet



# Agenda

11.30 - 11.35 **Introduction & Objectives of the MANA session** – MANA Caretakers

11.35 - 12.30 **Invited Talk “Lessons on Internet Developments – Key Challenges”**

Peter Kirstein (UCL, U.K.)

Moderator: Rainer Zimmermann (EU, Brussels)

12.30 -13.30 **Panel 1 - MANA Scenarios on Future Internet**

Moderator: Marcus Brunner (NEC, Germany)

Panellists:

- Marcus Brunner (NEC, Germany) - "Problems with the current Internet Scenario"
- Fabrice Forest (Umanlab, France) - "Novel Mechanisms/Applications with user benefits Scenario"
- Syed Naqvi (Cetic, Belgium) - "Benefit for key actors (business perspective) Scenario"
- Klaus Wünnstel (Alcatel-Lucent, Germany) - "New business opportunities (value chains) Scenario"



# Agenda (2)

## 14.30 – 16.00; 16.15-17.15 **Panel on Future Internet Networking Architectures- Horizontal Topics**

Moderator: Henrik Abramowicz (Ericsson, Sweden)

Panellists:

- Peter Kirstein (UCL, UK) - clean slate and evolutionary approaches
- Philip Eardley (BT, UK) - evolutionary approach / TRILOGY project viewpoint
- Arto Karila (HIIT, Finland) - clean slate approach/ PSIRP Publish-Subscribe Internet Routing viewpoint
- Norber Niebert (Ericsson, Germany) - clean slate approach / 4WARD project viewpoint
- Serge Fdida (Lip6, France) - FIREWORKS / PLANET Lab Europe project viewpoint
- Emanuel Dotaro (Alcatel-Lucent, France) - evolutionary approach / Euro-NF project viewpoint
- Alex Galis (UCL, UK) - service-aware architectures - MANA / Autonomic Internet project viewpoint



# Agenda (3)

## 17.15-18.15 **Panel on Future Internet Management Architectures – Vertical Topics**

Moderator: Alex Galis (UCL, UK)

Pannelists:

- Aiko Pras (University of Twente, Holland) - Network Management approaches
- Hermann de Meer (Passau University, Germany) - Virtualization approaches and System Management
- Joe Butler (Intel, Ireland) - Service Management approaches
- Joan Serrat (UPC, Spain) - System management
- Martin May (Thomson, France) – Service-aware networking approaches

## 18.15-18.30 **MANA position statement presentation / MANA future plans**

MANA caretakers:

- Alex Galis (UCL, U.K.)
- Marcus Bunner (NEC Research, Germany)
- Henrik Abramowicz (Ericsson, Sweden)

MANA Session Reporter: Alex Galis (UCL, UK)

