

Management and Service-aware Architectures (MANA) Panel 3

Caretakers: Alex Galis, Henrik Abramowicz, Marcus Brunner

FIA Prague 12th May 2009



MANA plan for FIA Prague

Draft Agenda:

17.15 - 18.15 Panel 3: " FI - Management and Service-aware networking architectures- Vertical Topics for FI"

Expected Outcome of the Panel 3: Proposals & priorities for interdisciplinary research directions as part of MANA research agenda

Questions for Panel 3

1. What are the first 3-5 key vertical challenges/problems to be fixed? What can we learn from the last 40 years of Management of Internet?
2. What are the new Management problems of FI
3. Levels /layers of resources & protocols & systems vs. virtualisation of resources/virtual systems - parallel Internets
4. Interworking & integration of networking clouds & computing clouds -
5. Service Enablers & Control & Orchestration in a context of multiple domain & administration; Service interaction /interworking across multiple/federated domain & clouds
6. Efficient management of resources including energy consumption.
7. Interworking and integration of Management functions and FI
 - New management problems for Future Internet
 - Relationship between Management and Governance
 - Accountability and responsibility in Future Internet
 - The Relation between Management and Costs in Future Internet
 - Management as a driver of the design, deployment and grows of Future Internet
8. Clean slate vs. evolution - parallel Internets
9. MANA position paper



Agenda

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)



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

