Monitoring and Measurement Cluster
MOME

Felix Strohmeier, Ulrich Hofmann
Salzburg Research Forschungsgesellschaft mbH

Internet Infrastructure Cluster Meeting
Brussels, September 17, 2003
FP5 MOME Cluster:

- New Partners: SCAMPI, 6QM, NGNLAB
- Starting Point for FP6 Proposal “MOME”
  - Co-ordination Action
  - Estimated runtime 2004 - 2005
Motivation

- Monitoring and Measurement
  - issue in many (IST) projects
  - similar approaches but different solutions
  - redundancy in work
- Interoperability
  - communication between developed tools
  - comparability of measurement results
- Availability of Measurement Results
  - only less public available
  - scientific analyses on up-to-date measurement data
- Support of Standardisation
  - strength European position
- Raise Awareness
  - importance of monitoring and measurement components
MOME Consortium

- Salzburg Research
- Université Libre de Bruxelles
- Fraunhofer FOKUS
- Warsaw University of Technology
- Telefónica I+D
- NEC Europe Ltd.
- TERENA
- Budapest University of Technology and Economics
MOME Services (1)

| MOME-related Project Consulting
|  support projects in design decisions
|  provide recommendations for measurement components
|  communicate lessons learned from other projects

| Interoperability of Tools
|  detect and utilise synergies
|  perform interoperability tests
|  continuously updated interoperability database

| Standardisation Support
|  identify opportunities (IETF/ITU-T/3GPP)
|  collect and summarise standardisation issues
|  establish contacts
|  lectures on standardisation processes, policies and procedures
|  standardisation plan
|  support contributors (if requested)
MOME Services (2)

| MOME Database |
| define, setup and maintain database |
| provide infrastructure |
| collect and distribute measurement data |

| Measurement Data Presentation |
| different views via web-based user interface |

| Data Analysis Methods |
| Statistical analyses of measurements |

| Workshop & Conference Organisation |
| Public workshops |
| Dedicated MOME sessions (TNC’s) |

| Maintaining Web-Site & Mailing Lists |
| upcoming events |
| further news |
MOME Needs

- Associated Projects
  - current FP5 and upcoming FP6 IST projects
  - IP measurement related
- Info about Associated Projects
  - measurement strategies
  - measurement methodologies
  - measurement tools
- Measurement Data
  - Packet captures (depersonalised, if required)
  - End to end QoS parameters
  - BGP routing data
MOME Scenario

INTEROPERABILITY DATABASE

MOME DATABASE

protocols

metrics

interfaces

contact, license

status

WWW-GUI

⇒ HTML Docs
⇒ Tables
⇒ Graphs
⇒ CSV Files
⇒ pcap Files
⇒ XML Docs
⇒ …
Contacts

| felix.strohmeier@salzburgresearch.at
| ulrich.hofmann@salzburgresearch.at
| updated soon: http://www.ist-mome.org