

New generation network Testbeds/Experimentally-driven Research/IPv6

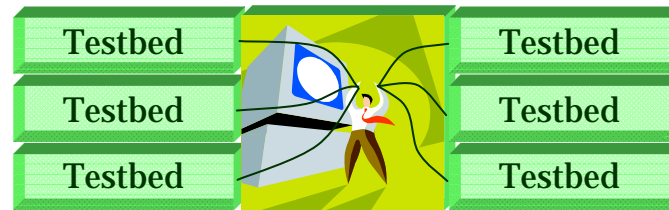
Japan EU ICT Cooperation Forum on ICT Research
Brussels, 7 July 2009

Dr. Jacques Babot
European Commission - DG INFSO
Team leader, New Paradigms and Experimental Facilities

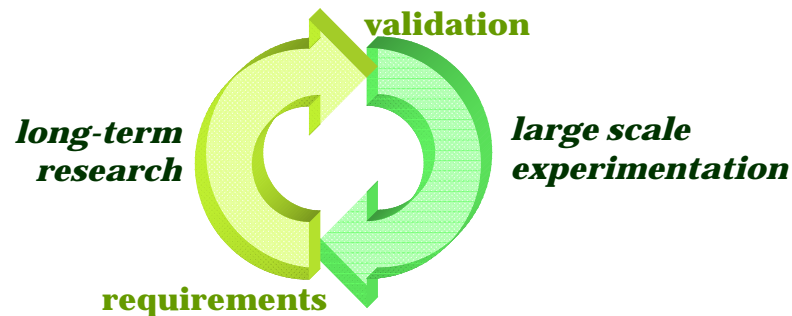


Future Internet Research and Experimentation

- Allowing European researchers to test new paradigms at large scale, including interactions with end users and communities



- Internet as a complex system: need to promote strategic, long-term, experimentally-driven, multi-disciplinary research on new internet concepts



Projects Overview

FIREWORKS

PARADISO

OPNEX

ECODE

N4C

SmartNet

Perimeter

Echos

ResumeNet

SelfNet

*long-term
research*

requirements



*large scale
experiment.*

VITAL++

WISEBED

PII

OneLab2

Federica

Testbed

Testbed


Testbed


Testbed

Testbed

Testbed

 Integrated project

 Focused project (STREP)

 Coordination & support actions



Presentations

- Latif Ladid IPv6 Forum
- Mizuhiko Hosokawa NICT
- Timur Friedman (University Pierre and Marie Curie) ONELAB project
- Milon Gupta (Eurescom) PII project
- Vasilis Maglaris (NTUA) FEDERICA project



Objectives from a EU Perspective

- To deepen our understanding of each others research visions and activities in focused sessions
- To provide a forum for EU research leaders to meet their Japanese counterparts
- To identify / reinforce issues of mutual interest and areas for collaboration in research and beyond
- To plant the seeds for deeper future collaboration under the respective research programmes
- To identify potential next steps in collaboration



Conclusions

- Deepening the exchange on experimentation
 - EU and Japan collaborate in Planetlab on introducing the concept of “federation of testbeds” leading to decentralised management of Planetlab
- Collaboration needs beyond research
 - Connecting networks and experiments
 - Collaboration on standardisation to support ideas of mutual interest



Conclusions

- Next steps
 - Possibility for cross participation in research programmes:
Initiative has to come from the respective “home” players
 - Deeper exchange between research communities on EU-Japan Symposium on the Future Internet Research, 13-14 October in Tokyo.

