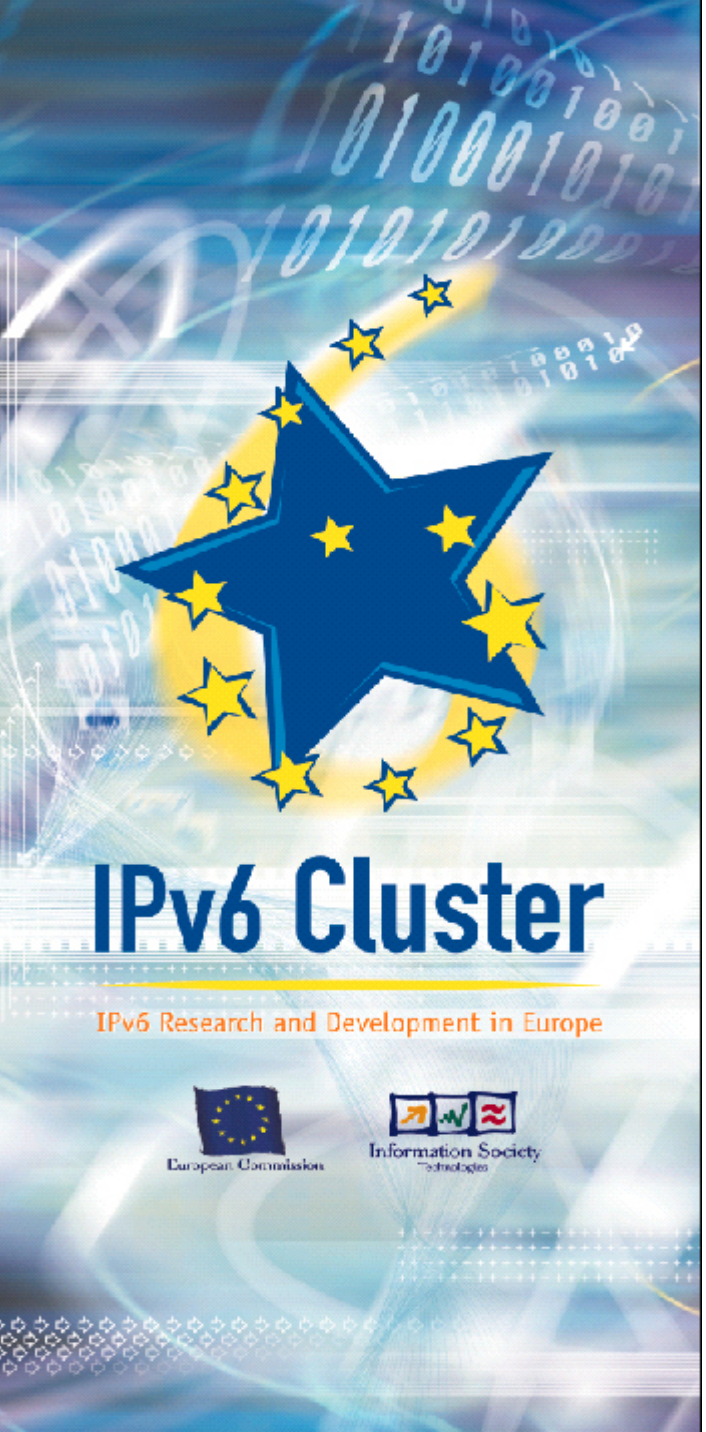

IPv6 Cluster

IST IPv6 Cluster X

14th January, 2004

Brussels

Agenda

- Welcome
- Cluster activities update
- Research Challenges for IPv6
- Cluster projects' activities
  - New Cluster projects
  - Existing project updates
- Open discussions and action points
- Next meeting, AoB

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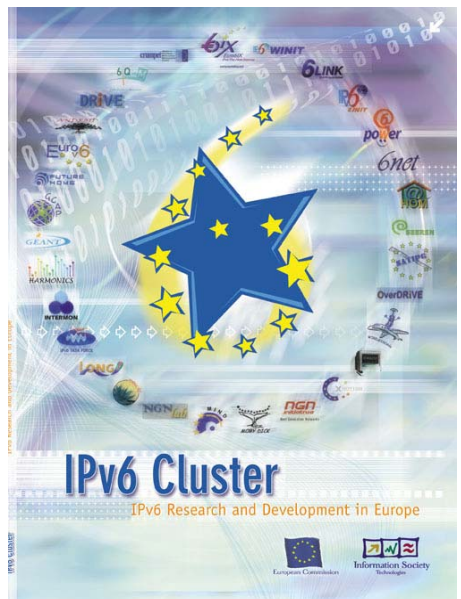
Cluster activities update

- Sanitisation of cluster projects and deliverables
- Press Release announcing MTIPv6 publication
- Portal readership growing – Dec 2003 ~ 1400 unique visitors
- Contributed to co-ordination of Global IPv6 Service Launch Event

Cluster activities update

- **Publications**
  - Newsletter
  - Cluster Meeting Report
  - IPv6 Standards Report
  - Moving to IPv6 in Europe
- **Web Portal, Mailing Lists**
  - http://www.ist-ipv6.org
  - ipv6cluster@ist-ipv6.org
  - projects@ist-ipv6.org



Cluster activities update

- 1. Introduction
  - Presentation of the issue. Target audience. Objectives. Summary.
- 2. e-Europe and IPv6, Pascal Drabik (Pascal.Drabik@cec.eu.int)
- 3. IPv6 Deployment in Europe, Jordi Palet (jordi.palet@consulintel.es), Kevin Meynell (kevin@terena.nl)
  - 3.1. IPv6 - The achievements
  - 3.2. IPv6 - The barriers
  - 3.3. IPv6 - Perspectives
  - 3.4. National IPv6 Task Forces
- 4. IPv6 and Broadband
  - 4.1. Broadband Research Networks, Kevin Meynell (kevin@terena.nl)
  - 4.2. Digital Home, Mat Ford (matthew.for@bt.com)
  - 4.3. Multihoming, Marcelo Bagnulo (mbagnulo@ing.uc3m.es), Olaf Bonness (Olaf.bonness@t-systems.com),
  - 4.4. IPv6 over Broadcast, A. Zehl, (andre.zehl@t-systems.com), Hong-Yon Lach (hong-yon.lach@crm.mot.com)
  - 4.5. IPv6 in GRID, Tim Chown (tjc@ecs.soton.ac.uk)
  - 4.6. IPv6 Security & Privacy, Latif Ladid (latif.ladid@village.uunet.lu)
  - 4.7. Broadband Wireless, Tim Chown (tjc@ecs.soton.ac.uk), Hong-Yon Lach (hong-yon.lach@crm.mot.com)
  - Interviews with key actors in the domain of IPv6 technology
- 5. e-Society Services, Juan Quemada (quemada@dit.upm.es)
  - 5.1. Ambient Intelligence
  - 5.2. e-health
  - 5.3. e-procurement (Spain)
  - 5.4. e-transport (Renault, BMW)
  - 5.5. e-defense (Germany, France)
  - 5.6. e-inclusion
  - 5.7. Education and Training, Garr etc.
  - Interviews with key actors in the domain of IPv6 technology
- 6. IPv6 and Broadband in Asia- Pacific and North America, Mat Ford (matthew.ford@bt.com)
- 7. Appendices
  - Links to On-line IPv6 Resources

Cluster activities update

- **Forthcoming events**
  - EuroIndia 2004
  - INET2004
  - 6NET Conference/Eurov6 Event
  - TERENA Networking Conference 2004

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Cluster projects' activities

- **New projects**
  - **NOMAD (www.ist-nomad.org)**
    - **FP5: Location-aware service discovery, handover mechanisms and service/user profiling**
    - **MANET routing protocols with IPv6 support**
  - **SEINIT (www.seinit.org)**
    - **FP6: Security architecture, policies, assessment**
    - **IPv6 security technologies (IPsec, DNSsec, MobileIPv6, etc.)**
  - **MUSE**
    - **FP6: Multi Service Access Everywhere**
    - **IPv6 home networks**

Cluster projects' activities

- **MUSE**
  - Multi Service Access Everywhere
  - Overall objective: R&D of a low-cost, full-service access and edge network, enabling the ubiquitous delivery of broadband services to European citizens
  - Studies in the following areas:
    - Access and edge network architectures and techno-economical studies
    - Access and edge platforms
    - First mile solutions (DSL, optical access)
    - Interworking of the access network with home gateways and local networks
    - Lab trials
  - Concepts of MUSE will be validated for three end-to-end deployment scenarios:
    - Migration scenario featuring a hybrid access network of ATM and packet (Ethernet, IP) network elements and CPE with embedded service awareness and application enablers;
    - Non-legacy scenario showing access nodes, various first mile solutions, and CPE that are optimised for native Ethernet and IPv6 throughout the home and access network;
    - FTTx scenarios integrating new concepts for access technologies - VDSL, optical access, and feeders for wireless services.
  - The expected impact and results are:
    - Consensus about future access and edge networks in Europe
    - Pre-standardisation work and joint positions in standardisation bodies
    - Proof of concept demonstrators and lab trials by operators

Cluster projects' activities

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Thanks for your attention!

www.ist-ipv6.org/join.html