

Reconfigurability Cluster

07.12.04 – Brussels

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Reconfigurability Cluster (1/5)

Reconfigurability Cluster Charter

- ✓ Reconfigurability Cluster to develop **System Vision** on Reconfigurability across FP6 Projects (incl. Synchronization and cross-Fertilization between Projects)
- ✓ Organization of **Cluster Workshops** on specific **Thematics** (e.g. Reconfigurability Architectures, Regulation...)
- ✓ **Recommendations** to EU Commission for new **Research Areas**
- ✓ Opening for **Joint Dissemination** (incl. Publications, Books, Workshops...)

Reconfigurability Cluster Thematics*

- ✓ Reconfigurable Radio and Networks
- ✓ System Integration (e.g. Cellular + WLAN + ...)
- ✓ Reconfigurability, Middleware
- ✓ Cross-layer Optimisation
- ✓ Resource Allocation/Optimisation
- ✓ Smart Cards, Service Discovery/Creation/Provision/Delivery
- ✓ Security Issues in Wireless
- ✓ IP based Networking across heterogeneous Domains

(*) *Thematics corresponding to EU Commission Lists for:
IP/NoE "Main Area Addressed"
STREP "Specific Technological Issues Addressed"*

Reconfigurability Cluster Technical Highlights

- ✓ Application Scenarios
- ✓ System Requirements
- ✓ Reconfigurability Business Models
- ✓ Roadmaps for Reconfigurability
- ✓ Network Architectures and Support Services for Reconfigurability
- ✓ Reconfiguration Strategies
- ✓ Software Download
- ✓ Cognitive Radio, Spectrum and Radio Resource Management in a Reconfigurability Context
- ✓ Equipment Management (including open APIs and HAL)
- ✓ SDR Platform Architecture
- ✓ Reconfigurable Protocols
- ✓ Flexible Air-Interfaces
- ✓ ...



Reconfigurability Cluster (4/5)

Reconfigurability Cluster

- ✓ FP6 Reconfigurability Cluster Meetings organized on 10.03.04, 20.09.04 and 08.12.04
- ✓ Mailing List activated / Web Site to be activated
- ✓ **Projects Participation on 20.09.04**
 - ✓ E²R (FP6 IP), SCOUT (FP5), MuMoR (FP5), MAGNET (FP6 IP), SIMPLICITY (FP6 STREP), WIDENS (FP6 STREP), NEWCOM (FP6 NoE), AMBIENT NETWORKS (FP6 IP)
 - ✓ *Expected Participation from WINNER (FP6 IP)*
- ✓ Reconfigurability Cluster Meeting on 08.12.04 focusing on Regulation, Certification...

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Reconfigurability Cluster (5/5)

Reconfigurability Cluster 08.12.04 Agenda

- ✓ Reconfigurability in FP6 - Jorge Pereira, EU Commission
- ✓ Report on recent public Events - Didier Bourse, Motorola SAS
- ✓ A Plan for the Reconfigurability Cluster for 2005 – Open Discussion
- ✓ Coffee Break
- ✓ Reconfigurability and the different Domains (Manufacturer, Operator, User, Open/Third Party) - Karim El-Khazen, Motorola SAS
- ✓ Regulatory Activity in the Area of SDR in Europe - Horst Mennenga, RegTP
- ✓ Regulatory Activity in India & A Control Paradigm of Reconfigurability - Subramanian Pattamadai Sitaraman, TCS
- ✓ The Responsibility Chain – Klaus Moessner, University of Surrey
- ✓ Invited Presentation: SCA: What's missing - Harri Romppainen, Elektrobit Ltd.

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