

ICT RTD and Standardisation

COPRAS Seminar for Project Officers

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Purpose of Seminar

- Experience from the COPRAS project aiming to reinforce links between IST projects and contributions to standards
 - Standards Action Plans
 - Generic Guidelines
- Provide INFISO Staff, in particular Project Officers, with
 - An understanding of the ICT standards scene today
 - An analysis of the potential contributions from the IST programme in FP6 (based on calls 1 and 2)
- Debate future perspectives for ICT research and standards in the FP7 time period



Evolving context for ICT(1)

- ICT research increasingly organised on an international scale
 - Including from emerging economies
 - De-localisation in face of global competition, linkage with lead markets
 - Open Innovation System
 - Focus on “higher parts” of the value chain
- More and more innovation comes from use of ICT in different fields
 - Services and technology developments brought closer together



Evolving context (2)

- Prospects for further advances in ICT
 - Cross-overs between ICT and other fields
 - ICT-bio, ICT-cogno, ICT-nano-materials, etc.
 - Convergence within ICT
 - Comms/computing/media, fixed/wireless, etc.
- Technology chains becoming more complex
 - Combination of skills, know-how, technologies
 - Complex systems building



The COPRAS Project

- The Cooperative Platform for Research and Standards
 - Programme level Specific Support Action
 - Started 01/02/04 and will run for 36 months
 - Budget: 1 Mill. Euro
- Partners
 - CEN (European Committee for Standardisation)
 - CENELEC (European Committee for Electrotechnical standardisation)
 - ETSI (European Telecommunications Standards Institute)
 - The Open Group
 - W3C (World Wide Web Consortium)
- Goal is to stimulate and increase interaction between IST research projects and standardisation activities



ICT Research and Standards (1)

- Contribution to Standards represent clear European Added Value for EU RTD
- Standards contribute to technology transfer and exploitation potential arising from RTD
- A number of European Success Stories (GSM, MPEG,) with strong contributions from Framework Programmes
- Challenges today:
 - Short technology/investment timecycles
 - Global players
 - Complex structures and supply chains
 - Many actors involved
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ICT Research and Standards (2)

- FP6 Projects can make important contributions
 - Standardisation is a default element of RTD projects, when working in an area where ongoing standards work exist
 - Problem with life-cycle aspects
- Traditionally quite strong in core technology areas
- Need for reinforcing contributions
 - In existing fields
 - By establishing new fields of standardisation, especially for emerging services
 - User led functional specifications?



Looking Ahead

- FP7 and ICT Standards
 - FP6 approach will continue (IPs, STREPs)
 - Emerging Technology Platforms will potentially have important relations to standards development
 - Coordination and Joint initiatives with Member States on ICT RTD
- Aho report to the Council
 - Recommends to reinforce standards setting activities
 - Help generating European/Global lead markets
 - Linked with innovation, public procurements etc.
 - How to make Europe a leader in global standards setting?

