



SYNCHRONISER & Euro-India SPIRIT: ICT cooperation recommendations

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SYNCHRONISER & Euro-India SPIRIT objectives

- Boost the impact of the ICT policy dialogue by involving EU-India scientific and research community
- Provide recommendations for future co-operation initiatives and identify co-funding opportunities
- ➤ Identify medium and long term research perspectives to generate shared horizons of Joint ICT research
- > Enhance research participation in Framework Programme





SYNCHRONISER – Recommendations

Katja Legiša
Technical Support for European
Organisations (TESEO)
Project Coordinator





SYNCHRONISER Steering Committee (SSC)

- SYNCHRONISER Steering Committee platform of elite researchers and industry stakeholders from EU & India
 - To identify challenges & research priority areas
 - Make recommendations for precise research paths and actions for improving EU-India collaboration
- SSC consists of 10 experts: 5 experts from EU and 5 experts India
- Four 'Think Tank Meetings' during the project period





SSC list of research priorities

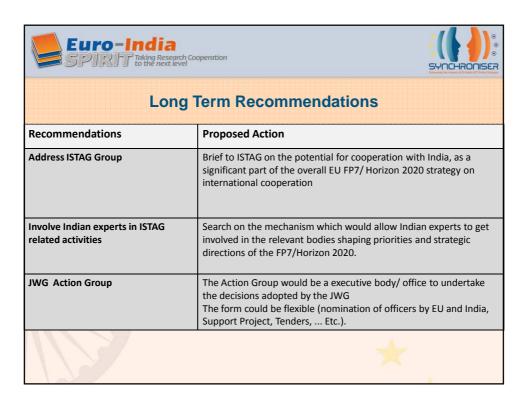
- Research priorities new and future technologies:
 - IPv6
 - Internet of things
 - Smart grids
 - Satellite communications
 - @ GNSS Galileo
 - Security, Privacy and Monitoring
 - DNS Security
 - Digital Preservation
 - Cloud computing
 - Sensor networks
 - Intelligent Transport Systems
 - Spectrum efficiency

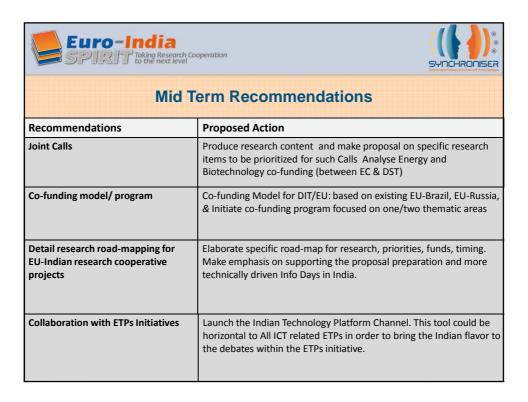




SSC list of research priorities

- Research answering societal issues common issues with localized needs:
 - Teleducation
 - E-health
 - Multimedia and language technologies
 - Sustainable energy
 - EU-India Regulation and standardization











Euro-India SPIRIT Recommendations

Tom Williamson
European Research Consortium for
Information and Mathematics (ERCIM)
Project Coordinator





Euro-India SPIRIT methodology

- Working Group comprised of 18 renowned ICT experts, 9 each from the EU and the Republic of India
- Experts have deliberated over 4 meetings in the past 24 months
- Recommendations focused on six key technological areas
 - Future Networks
 - Trustworthy ICT
 - Cloud Computing
 - Networked Media & Future Internet
 - elnclusion
 - ICT for Public Services





Future Networks

- Next gen. wireless communication systems including radio transmission paradigms and system designs
- Flexible spectrum usage for mobile broadband
- New/novel radio network topologies
- Ubiquitous fast broadband access
- Architectures for resilient and flexible networks





Trustworthy ICT

- Usable security in the mobile world
- Large scale data security arising out of data storage,data privacy and data retention
- ID management incl. mobile IDs to support financial transactions
- Data liability and governance policies





Cloud Computing

- Intelligent and autonomic management of cloud resources
- Scalable data management strategies
- Infrastructure virtualisation, cross platforms execution
- Interoperability between clouds
- Mobile, context-aware applications
- Energy efficiency and sustainability





Networked Media and Future Internet

- eGovernment incl. use of HTML5 to access administrative forms in secure mode
- eEducation, with an emphasis on producing interactive content accessible on any decives
- elnclusion; access for any citizen to daily information and support
- eTourism





elnclusion

- Advanced ICT solutions including social, affective and persuasive computing for empowerment of those at risk of social exclusion
- Smart, customised and personalised information across those groups
- Personalisable assistive solutions optimized for low bandwidth access





ICT for Public Services

- Behavioural and contextual research
- Role of Social Networks in eGovernment
- Policy modelling, best practices
- Research methodologies for testing and evaluating EGovernment
- Optimising for cloud computing
- Provision of proper privacy protection and authentication





Thank you for your kind attention!

Visit website:

www.synchroniser.org

&

http://www.euroindia-ict.org/