Euro-India SPIRIT
Taking Research Cooperation to the next level

Euro-India SPIRIT
Goals and outcomes

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EU-India Cooperation

- Signing of the Cooperation Agreement in 2001
- 2004 EU-India Forum, New Delhi
- EU-India Ministerial Science Conference, New Delhi, 2007
- New opportunities under the 7th Framework Programme for Research and Technological Development ("FP7") 2007 – 2013
- JWG meetings between the DIT and EC

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Project origins and aims (1)

- *"Euro-India SPIRIT seeks to engage the EU and Indian stakeholders at a level where **policy formulation** pertaining to research can be aligned and supported to identify the **priorities of key research stakeholders** and constituencies. The expected outcome is a **mutually beneficial research and innovation agenda** that can be taken up through **specific bilateral initiatives**."*

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Project origins and aims (2)

- Analyse the research dimension of Indian ICT policy
- Probe stakeholders on both sides to reveal complementarities with EU priorities
- Organise stakeholder events to raise the profile and communicate the utility of the policy dialogue process
- Recommend future cooperation initiatives and leverage Indian research capability and capacity to engage in projects in common priority areas

Project partners

- Europe
  - European Research Consortium for Information and Mathematics (France)
  - INFRA Technologies (France)
  - Trust-IT (Italy)
- India
  - FICCI
  - ASCI (Administrative Staff College of India)
  - CSDMS (Centre for Science, Development and Media Studies)

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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
  - eInclusion
  - ICT for Public Services

Future Networks

- **Next generation 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 including 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 including use of HTML5 to access administrative forms in secure mode**
- **eEducation, with an emphasis on producing interactive content accessible on any device**
- **eInclusion, access for any citizen to daily information and support**
- **eTourism**

eInclusion

- **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

Horizontal Measures

- Dedicated multi-year EU-India Bilateral ICT Research Programme
  - Short term – joint calls for research proposals across a limited number of mutually agreed topics
  - Long term – full joint research programme over a five year period
- Indian Technology Platforms – Industry-led stakeholder forums

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Thank you for your attention

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