

# EU-India ICT priorities & policy recommendations

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# Presentation Outline

- 🇮🇳 Background
- 🇮🇳 What and how: objectives & approach
- 🇮🇳 Results: ICT research priorities
- 🇮🇳 Policy Recommendation: short, medium, long term

## Background

- ④ A formal EU-India scientific dialogue already exists:
  - Scientific & Technological Agreement (2001)
  - EU-India Joint Working Group Meeting
  - Etc.
- ④ The EC wants to improve this dialogue in order to assure future research cooperation through:
  - Adequate instruments
  - Similar roadmaps and perspectives
  - Matching co-funding opportunities
  - Similar scientific systems (ETPs, etc.)

## SYNCHRONISER objectives

Strategic initiative to enhance the EU-India Research Policy dialogue in the Information Technology domain

- 🇮🇳 Boost the impact of the **ICT policy dialogue** by involving EU-India scientific and research community
- 🇮🇳 Identify **medium and long term research perspectives** to generate shared horizons of Joint ICT research
- 🇮🇳 Provide recommendations for future co-operation initiatives and identify **co-funding opportunities**

## SYNCHRONISER approach

- Forming “SYNCHRONISER STEERING COMMITTEE” with the elite researchers and industry stakeholders from both regions EU & India; Develop a Policy Document & Make Recommendations to EU-India JWG meetings (consist of Govt. members)
- Undertake the foresight study by interviewing “Indian Visionaries” using the Delphi Technique to identify long-term EU-India ICT research priorities
- Identifying matching counter funding opportunities between EU and India by developing a report on Bilateral Funding

# 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

# ICT Research priorities

## SSC list of research priorities – ‘TOP DOWN’ approach

### Research priorities - new and future technologies:

-  IPv6
-  Internet of things
-  Smart grids
-  Satellite communications
-  GNSS – Galileo
-  Trust, Security, Privacy and Monitoring
-  DNS Security
-  Cloud computing/ green computing
-  Sensor networks
-  Intelligent Transport Systems

## SSC list of research priorities – ‘BOTTOM UP’ approach

### Research answering societal issues - common issues with localized needs:

-  **E-Inclusion**
-  **E-Governance**
-  **Healthcare**
-  **Culture & Heritage/ Digital Preservation**
-  **Multimedia and language technologies**
-  **EU-India regulation and standardization**

## Additional priority areas suggested

- 🇮🇳 E-Learning
- 🇮🇳 E-health
- 🇮🇳 Spectrum Management
- 🇮🇳 Ambient Assistance Living (AAL)
- 🇮🇳 ICT for environment

# Policy recommendations

## Long Term Recommendations

Recommendations	Proposed Action
<b>Address ISTAG Group</b>	Brief to ISTAG on the potential for cooperation with India, as a significant part of the overall EU FP7/ Horizon 2020 strategy on international cooperation
<b>Involve Indian experts in ISTAG related activities</b>	Search on the mechanism which would allow Indian experts to get involved in the relevant bodies shaping priorities and strategic directions of the FP7/Horizon 2020.
<b>JWG Action Group</b>	The Action Group would be a executive body/ office to undertake the decisions adopted by the JWG The form could be flexible (nomination of officers by EU and India, Support Project, Tenders, ... Etc.).

## Mid Term Recommendations

<b>Recommendations</b>	<b>Proposed Action</b>
<b>Joint Calls</b>	Produce research content and make proposal on specific research items to be prioritized for such Calls Analyse Energy and Biotechnology co-funding (between EC & DST)
<b>Co-funding model/ program</b>	Co-funding Model for DIT/EU: based on existing EU-Brazil, EU-Russia, & Initiate co-funding program focused on one/two thematic areas
<b>Collaboration with ETPs Initiatives</b>	Launch the Indian Technology Platform Channel. This tool could be horizontal to All ICT related ETPs in order to bring the Indian flavor to the debates within the ETPs initiative.
<b>Detail research road-mapping for EU-Indian research cooperative projects</b>	Elaborate specific road-map for research, priorities, funds, timing. Make emphasis on supporting the proposal preparation and more technically driven Info Days in India.

## Short Term Recommendations

Recommendations	Proposed Action
<b>Website</b>	Elaborate specific website with content oriented to motivate Indian interests in Horizon 2020
<b>Directory of EU Partners - India Channel</b>	Elaborate a comprehensive report on the EU interests to research in cooperation with India. The Indian channel could be an ICT-wide channel.
<b>Workshops in India – Project ideas</b>	Organization of meetings among EU and Indian researchers on specific fields. Follow models of other projects and get involvement from EC Officers.
<b>Training – Coaching on FP</b>	<p>Specific coach team to elaborate a practical FAQs doc addressing international cooperation and Indian case. Organize workshops with relevant Indian researchers.</p> <p>Set resources from EU and India to carry out the Training programmes: empower EU delegation in India with addition of specific expertise on the FP7. Refer to the Brazilian case where ICT EC expert in based in Brazil to enhance the cooperation.</p>
<b>‘Push approach’</b>	<p>Identifying ‘Keywords’ corresponding to Indian priorities that can be inserted within the text of Calls.</p> <p>Insert ‘India’ as target International Cooperation in identified FP objectives</p>

# Thank you for your kind attention!

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