



Innovation-driven Initiative for the Development and Integration of Indian and European Research

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Background

- INNO INDIGO is a so-called INCO ERA-Net and the successor of New INDIGO
- Runtime 10/2013 – 09/2016 (prolongation planned)
- Coordinator DLR-PT, co-coordinator CSIR
- So far six Indo-European joint calls for proposals have been implemented with 17 EU MS/AC and 2 Indian funding agencies; the last 5 calls with a spent budget of 13 mio. Euros
- Stronger focus on innovation dimension
- <http://indigoprojects.eu/about/inno-indigo/about>



Project partners

Participant No.	Executive Board: Organization Name	Country
1. (Coord.)	German Aerospace Centre (DLR)	Germany
2. (Co-coord.)	Council of Scientific and Industrial Research (CSIR)	India
3.	Centre for Social Innovation (ZSI)	Austria
4.	The Austrian Science Fund (FWF)	Austria
5.	European Business and Innovation Centre Network (EBN)	Belgium
6.	Academy of Finland (AKA)	Finland
7.	National Center for Scientific Research (CNRS)	France
8.	Ministry of Science and Technology, Department of Biotechnology (DBT)	India
9.	Global Innovation & Technology Alliance (GITA)	India
10.	The Agency for the Promotion of the European Research (APRE)	Italy
11.	The Netherlands Organization for Scientific Research (NWO)	The Netherlands
12.	Fundação para a Ciência e a Tecnologia (FCT)	Portugal
13.	Association of Industries for Electronic and Information Technologies in the Basque Country (GAIA)	Spain
14.	Scientific and Technological Research Council of Turkey (TÜBİTAK)	Turkey



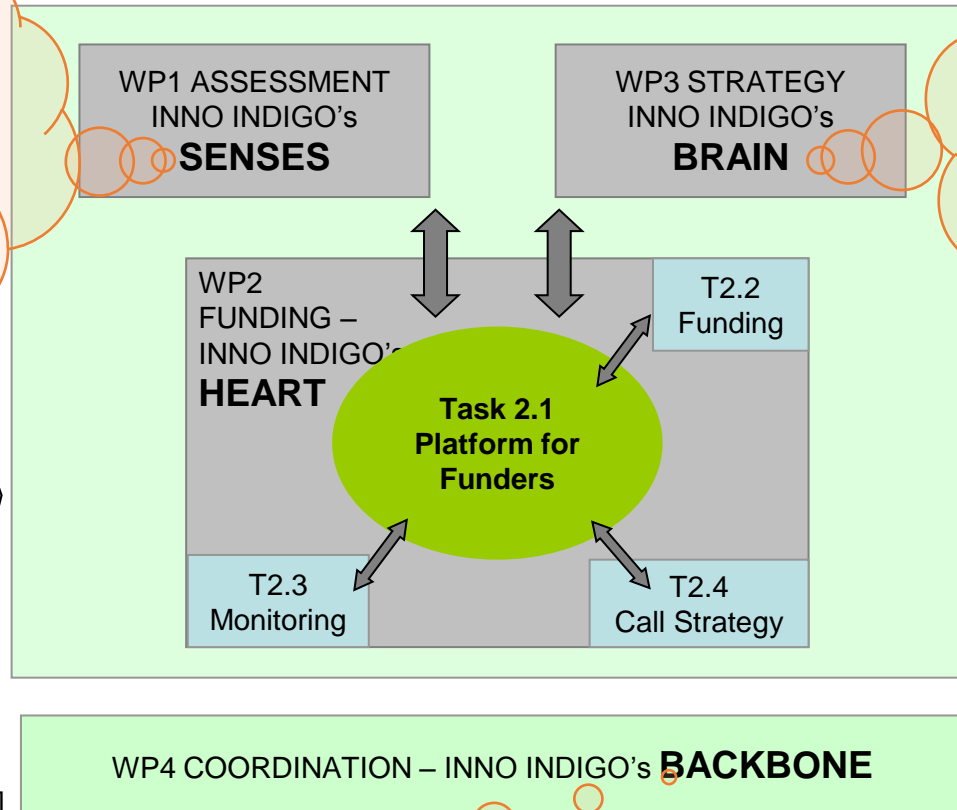
Main objectives

- Launch of joint calls on a regular basis: fund collaborative projects involving research organisations and industries
- Platform for funders: attract new funders (in particular regions), develop a self-sustaining funding mechanism
- Innovation: - more involvement of SMEs / industries / clusters
 - include social, inclusive, frugal innovation etc.
- Enhance visibility of opportunities for Indo-European scientific collaboration
- Ensure sustainability of collaboration



Project structure

Gather and analyse information on innovation issues and turn it into action plan for joint calls



- Enhance INNO INDIGO network
- Involve young researchers
- Think sustainable
- Communicate

- Ensure trust- and fruitful atmosphere
- Support activities and ideas
- Support administrative issues
- Enhance outreach of the project



INNO INDIGO Platform for Funders (PfF)

- **Enhancing relevance** especially in terms of the outreach to countries / regions / funding agencies not yet involved in European Indian STI collaboration.
- Discussion, preparation and management of **joint calls**. Preparation of **strategic call agenda** in order to enhance the foreseeability and planning for interested funders.
- Offer a **platform for the initiatives discussed within the GSO framework**
- **Including new elements into joint calls**: Enhance the exchange of information especially with regards to the involvement of innovation players in order to move towards market oriented research
- Paving the way for **sustainable trans-national funding programmes** without EC funding



New INDIGO Partnership Programme (NPP)

Pilot Phase: Mobility and Networking

- **2010: Biotechnology and Health (1.9 mio)**
BMBF, BMWF, CNRS, DBT, FCT, MAEE, MESR, MINECO, NWO, Tübitak)
- **2011: Water related research (1.2 mio€)**
AKA, BMBF, CNRS, DST, FWO, MINECO, NWO

Second Phase: Research and Innovation

- **2012: Biotechnology applied to Human Health (3.3 mio €)**
BMBF, DBT, FCT, FWF, MINECO, OSEO, RCN
- **2013: Energy Research (4 mio €)**
AKA, BMBF, DST, FCT, FWO, OSEO, RCN, Tübitak



INNO INDIGO Partnership Programme (IPP)

IPP1: Clean Water and Health

DBT, BMBF, FCT,
FNRS, ETAG

5 projects selected
for funding

€ 2,600,000

IPP2: Diagnostics and Interventions for chronic, non-communicable diseases

DST, BMBF, ETAG,
Bpifrance, FCT,
FNRS, RCN,

IPP3:

Bio-economy (in
planning phase)

DBT, BIRAC...



IPP₃: Bio-economy

- Biobased energy
- Waste management
 - a. Waste as a resource: exploring the economic potential of waste
 - b. Application of biotechnology to recycle municipal solid waste and to render toxic waste harmless
- Reducing the burden of manmade environmental pollution (air/soil):
Development of technologies/services that help monitoring, preventing and cleaning up manmade pollution of the air and contamination of soil.
- Post harvest management / storage of food: prevention of loss due to temperature/humidity/disease/pest etc.



IPP Call procedure

Step 1: ELIGIBILITY CHECK

- Formal eligibility check by the Call Secretariat
- National eligibility of applicants checked by NCPs

STEP 2: PEER-REVIEW

- Remote peer-reviews by online evaluators
- Each proposals scored + written remarks on each evaluation criteria
- Permanent access by Scientific Council members from the submission phase onwards

STEP 3: SCIENTIFIC COUNCIL

- High level scientific experts establish a raking lists based on peer-review
- Provide written remarks to PCF

STEP 4: PROGRAMME FUNDING COMMITTEE

- Funding decision based on ranking list provided by SC members



What IPP can offer

- The INNO INDIGO Partnership Programme has evolved from relatively small mobility calls under New INDIGO to larger R&I projects under INNO INDIGO
- Approx. 150.000 – 200.000 € per country for 3 years
 - the majority of participating funding agencies confirmed that for a relatively small amount of money they get excellent results
 - INNO INDIGO builds on a long and trustful cooperation with DST, DBT and many European funding agencies
- Professional call management with a well-proven and fair scientific evaluation (online submission tools, partnering tools, etc.)

What IPP can offer

- Close monitoring of ongoing projects and evaluation of finished projects
- Dissemination of project results via INNO INDIGO website and newsletter <http://indigoprojects.eu/funding/indigo-calls/funded-projects>
- Compared to bilateral activities you can offer your researchers a larger pool of expertise they can pick from to form a stronger consortium

Main achievements

- Successful continuation of launching regular Indo-European Joint Calls for Proposals
- INNO INDIGO remains a **reliable, jointly-owned and flexible instrument** for Indo-European STI cooperation
- Successful integration of countries that did not have bilateral research calls with India before
- Provide an added value to bilateral programmes
- Growing interest in PfF meetings

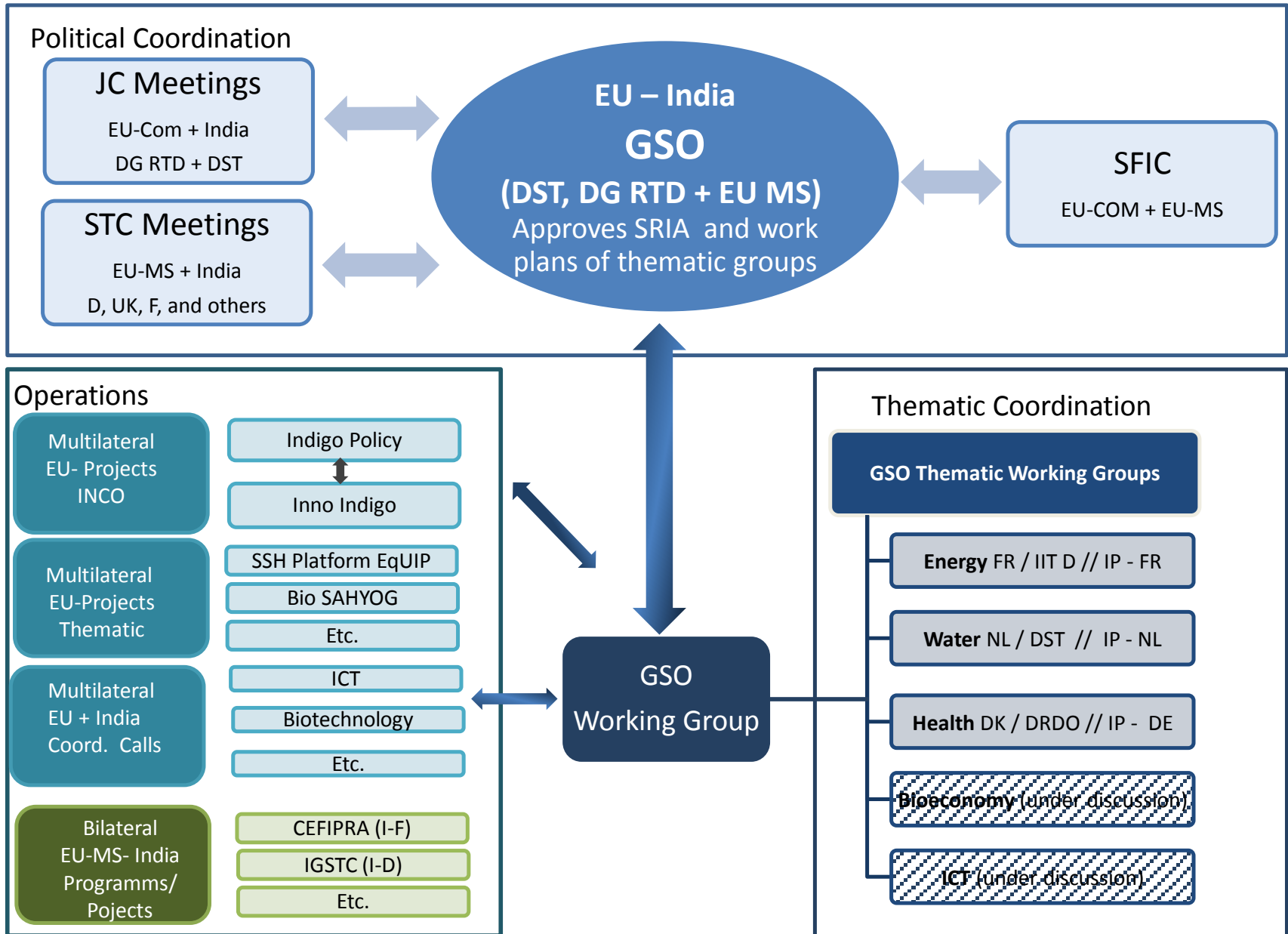


European Interest Group on India

- Idea to integrate India activities into the Joint European Interest Groups on Korea and Japan/ hold meetings back-to-back:
 - Some European projects (BILATs, ERA-Nets) have the objective to implement sustainable programmes => idea of implementing a Joint Interest Group in order to synchronise these efforts.
- Aims:
 - Building on experiences from multilateral / bilateral programmes; use best practice
 - Building up a strong group of MS / AC funders with enhanced network
 - Implementing one tool for all calls: use best practice and draft common strategy / call calendar
 - Usage of less resources (time / financial) to organise joint calls through synergetic meetings



Structure of Indo-European STI Partnership – Key Mechanisms



Sahyog project

- FP7-funded Indo-European project in the area of biotechnological approaches for biomaterials and bioenergy production and sustainable conversion of biowastes
- Development of **roadmaps defining key RTD priorities and a Strategic Research Agenda (SRA)** to facilitate concerted planning of future EU-India research initiatives in the area of biomass and biowaste.
- Development of inventories for biomass and biowaste resources, research projects and programs
- project twinning
- short-term exchanges of researchers, summer schools, stakeholder workshops
- <http://www.sahyog-europa-india.eu/>



Indian funding agencies

- Indian Department of Biotechnology (DBT)
- Biotechnology Industry Research Assistance Council (BIRAC)
- Department of Science and Technology (DST)
- Global Innovation and Technology Alliance (GITA)
- Thematic ministries (e.g. ICT)



Working with India

- Joint ownership and joint planning of activities are of utmost importance
- Indian partners are usually very reliable and committed
- Access to a huge scientific community with premium research institutions
- High expertise in biotechnology
- Are open to join European thematic initiatives
- Will become the most populous in a couple of years/ growing market

Participation of Indian Scientists in the Seventh Framework Programme

In FP7, Indian scientists received automatic funding. With a participation in 159 FP7 projects, India ranked fourth in the list of third country participation in FP7, behind Russia, USA and China.

