

INNO INDIGO Partnership Programme and Platform for Funders

INNO
INDIGO
POLICY



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FINAL SHOWCASING EVENT

BREAKING GROUNDS IN RESEARCH AND INNOVATION THROUGH INDO-EUROPEAN PARTNERSHIPS

GHENT, BELGIUM

CULTURE AND CONVENTION CENTRE "HET PAND", GHENT UNIVERSITY



#INDIGO_17



@Indigo_EU



@IndigoProjects



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POLICY 

INNO INDIGO Partnership Programme (IPP)

- During the lifetime of INNO INDIGO, four multilateral Indo-European Joint Calls for Proposals were implemented:
- **IPP1 (2014):** “Clean Water and Health”
- **IPP2 (2015):** “Diagnostics and interventions in chronic non-communicable diseases”
- **IPP3 (2016):**
 - Science&Technology Call: “Biobased Energy”
 - Innovation Call: “Bioeconomy”



IPP 1: Clean Water for Health (2014)

Subthematic Areas:

1. Development and applications of membrane technology in water purification/sanitation
2. Membrane bioreactor applications at domestic and industrial wastewater management
3. Reuse of municipal/industrial wastewater



IPP 1: Clean Water for Health (2014)

- Participation by five funding agencies:
**DBT, FCT, ETAG, F.R.S.-FNRS, BMBF, (VIAA),
(French Embassy Delhi)**
- Proposals received: **25**
- Proposals funded: **5**
- No. project partners: **20**
- Allocated funding: **2,93 million €**



IPP 1: Clean Water for Health (2014)

- **Funded projects:**

1. **HyWATER** - Treatment of contaminated drinking water using a hybrid low-cost process (**IND x3, PRT, DEU**)
2. **WRANA** - Wastewater reuse: improving the odds by understanding natural attenuation (**IND, PRT, EST**)
3. **POMACEA** - Affordable technology for mitigation of membrane (bio)fouling through oPtimizatiOn of pre--treatMent And CLEAIng methods (**PRT, DEU, INDx2, LAT**)
4. **TREAT-AFTER-TOO** - Targeting the elimination of antineoplastic compounds in hospital wastewaters: novel frontiers in sustainable treatment (**PRT, INDx2, BEL**)
5. **IIPIM** - Integrated MFC-MBR system using low-cost, multifunctional ceramic membrane for efficient wastewater treatment and electricity recovery (**IND, DEU, EST**)



IPP 2: “Diagnostics and interventions in chronic non-communicable diseases” (2015)

Sub-thematic Areas

1. Development of tools and technologies for the diagnostics of chronic non-communicable diseases
2. Research and innovation within interventions for chronic non-communicable diseases
3. Mechanisms in chronic non-communicable diseases



IPP 2: “Diagnostics and interventions in chronic non-communicable diseases” (2015)

- Participation by seven funding agencies: **DST, FCT, ETAG, F.R.S.-FNRS, BMBF, RCN, BPIfrance**
- Proposals received: **47**
- Proposals funded: **6**
- No. project partners: **22**
- Allocated funding: **3,2 million €**



IPP 2: “Diagnostics and interventions in chronic non-communicable diseases” (2015)

- **Funded projects:**

1. **IDOBIN**- Initiative for Development of Biomarkers in Immune Neuropathies (IND, DEU, NOR)
2. **NanoCanTher** - Multilayer Nano-Capsules and targeted DNA vaccines for Immunotherapy of Cancer (IND x2, NOR, DEU)
3. **NANOBREASTCO**- Nanoplatfrom-based drug delivery system: combinational therapy against breast and colorectal cancer (IND, BEL, NOR)
4. **RA Detect** - One Platform- Multiple biomarker detection of Rheumatoid Arthritis (IND, PRT, DEU)
5. **NCDs-CAPomics** - Exploring the Volatome of NonCommunicable Diseases as a Promising Non-Invasive and Integrating Approach for its Rapid Diagnostics. The Case Study of Cancer and Neurodegenerative Diseases (PRT, IND x2, DEU, USA)
6. **OA-IBGE2016-18** - Mapping the biomarkers: comprehensive evaluation of pathophysiology and nutraceutical intervention for improved knee Osteoarthritis (IND, EST, BEL, DEU)



IPP 3 S&T Call: “Biobased Energy” (2016)

Sub-thematic Areas

1. Biofuels
2. From waste to energy



IPP 3 S&T Call: “Biobased Energy” (2016)

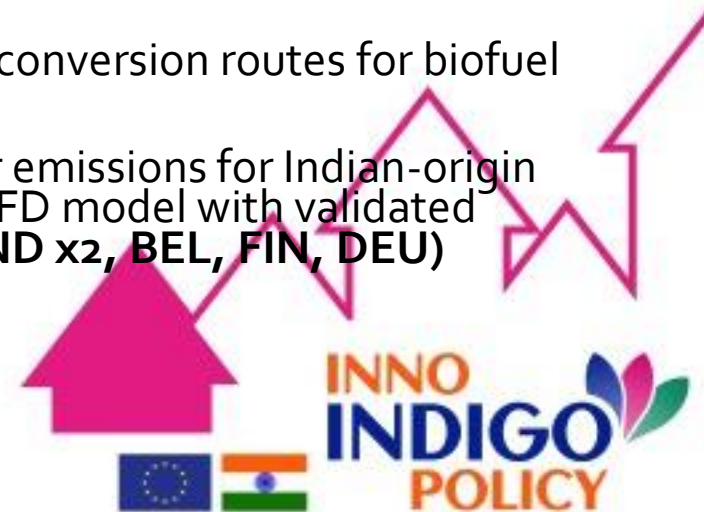
- Participation by seven funding agencies:
DST, DBT, ETAG, F.R.S.-FNRS, BMBF, AKA, VIAA
- Proposals received: **31**
- Proposals funded: **6**
- No. project partners: **21**
- Allocated funding: **4,1 million €**



IPP 3 S&T Call: “Biobased Energy” (2016)

- **Funded projects:**

1. **INDO-NORDEN** - Holistic processes and practices for clean energy in strengthening bioeconomy strategies in Europe and India (**IND, FIN, EST**)
2. **IndZyme** - Novel inhibitor-resistant lignocellulolytic enzymes from Indian fungal resources (**IND, FIN, DEU, EST**)
3. **LIGFUEL** - Depolymerization of Lignin and Bioconversion of Lignin-derived monomers to Biofuels (**IND, FIN, DEU**)
4. **B-LIQ** - Development of an Integrated Process for Conversion of Biomass to Affordable Liquid Biofuel? (**IND, LAT, EST**)
5. **CONVER-B** - Development of efficient biomass conversion routes for biofuel production and utilisation (**IND, FIN, DEU**)
6. **BiofCFD** - Toward higher efficiencies and lower emissions for Indian-origin biodiesel combustion: Developing a predictive CFD model with validated reduced kinetics for device-scale applications (**IND x2, BEL, FIN, DEU**)



IPP 3 Innovation Call: “Bioeconomy” (2016)

Sub-thematic Areas

- none



IPP 3 Innovation Call: “Bioeconomy” (2016)

- Participation by six funding agencies:
DST, DBT, RCN, AIF, CDTI, BPIfrance
- Proposals received: **8**
- Proposals funded: **2**
- No. project partners: **7**
- Allocated funding: **1,46 million€**
(1,7 million budget)



IPP 3 Innovation Call: “Bioeconomy” (2016)

- **Funded projects:**

1. **ReValue** - Innovative technologies for improving resource utilization in the Indo-European fish value chains (**NOR, INDx2, ESP**)
2. **FUELANDPLASTIC** - Conversion of Lignocellulosic Wastes into Biofuels and Bioplastics (**ESP, IND, NOR**)



IPP 1 – 3 at a Glance

- Participation by ten European funding agencies and two from India
- Proposals received: **111**
- Proposals funded: **25**
- No. project partners: **70**
- Allocated funding: **11,7 million €**
- SMEs funded: **4**



IPP 1 – 3 at a glance

IPP1: Clean Water and Health

DBT, BMBF, FCT, FNRS, ETAG

5 projects funded

€ 2,93 Mio.

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

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

6 projects funded,

€ 3,2 Mio.

IPP3:

S&T Call on Biobased Energy

DBT, DST, BMBF, FNRS, ETAG, AKA, VIAA

6 projects funded

€ 4,1 Mio.

Innovation Call in Bioeconomy

DBT, DST, AIF, Bpifrance, CDTI, RCN

2 projects funded

€ 1,46 Mio.



Achievements in summary

- Successful continuation of Indo-European Joint Calls which was started under New INDIGO
- Implementation mechanism for the Strategic Research and Innovation Agenda (SRIA)
- Support of Indo-European research projects in the first phase of H2020 when there was no co-funding from Indian agencies



Achievements in summary

- The IPP has become a jointly-owned, proven and trusted instrument
- The IPP has been further developed to better serve researchers and funding agencies focused on innovation
- The IPP has made a contribution to strengthening the external dimension of the European Research Area (ERA)



Achievements in summary

- The IPP is a suitable instrument for regions or smaller member states which have no activities with India.
- The evaluation of the projects funded under New INDIGO has shown their positive impact



Achievements in summary

“Participating in the INNO INDIGO Partnership Programme gives us the flexibility to choose and optimize the channeling of funding for joint calls with India between different bilateral and multilateral (involving other partners from Europe) platforms.”

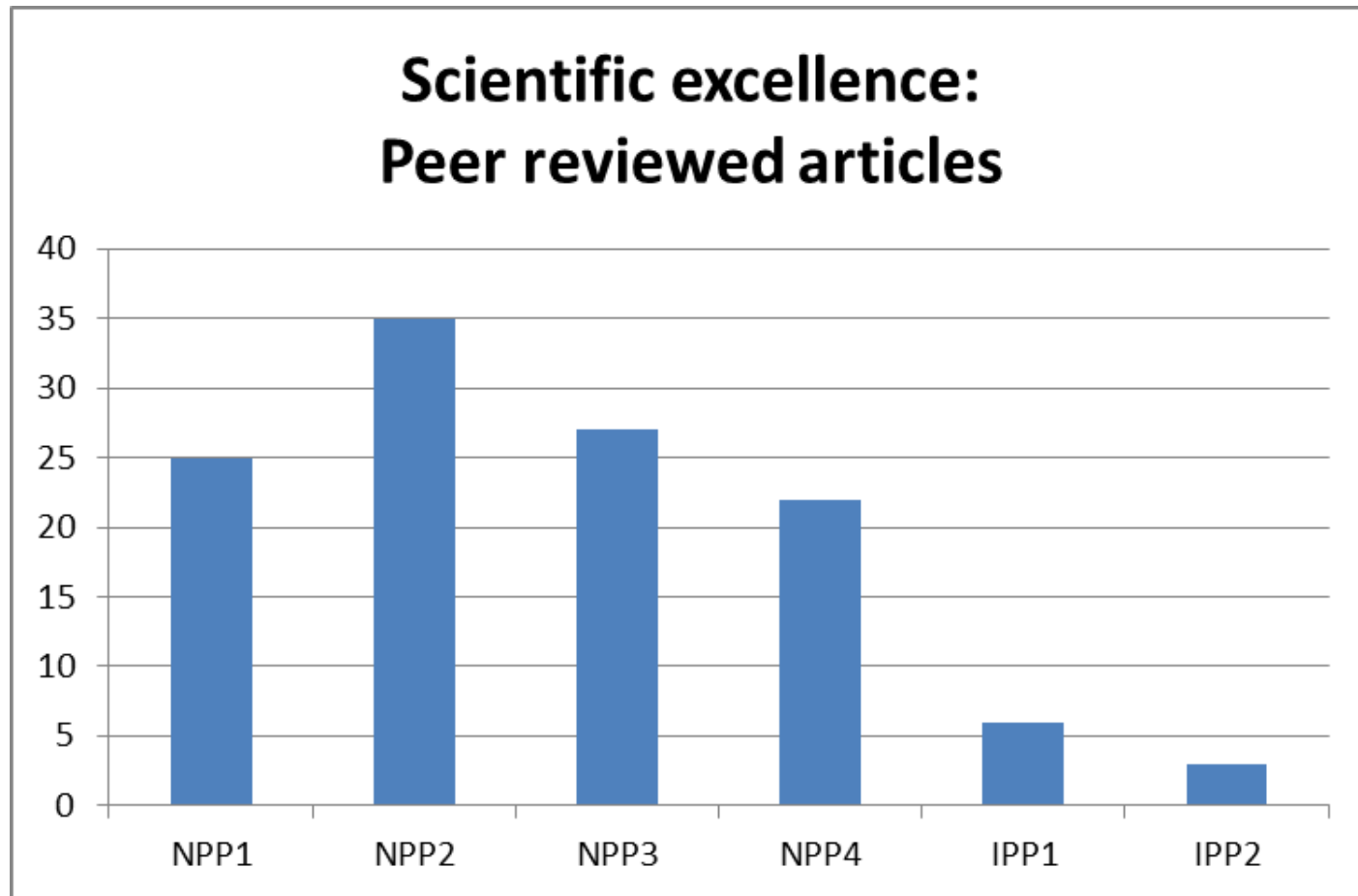
**Marianne Jensen –
Research Council of Norway**

“For a relatively small country like Estonia, the INNO INDIGO Partnership Programme is a perfect instrument to cooperate with a large country like India. At the same time we appreciate benefitting from working with partners from Europe”

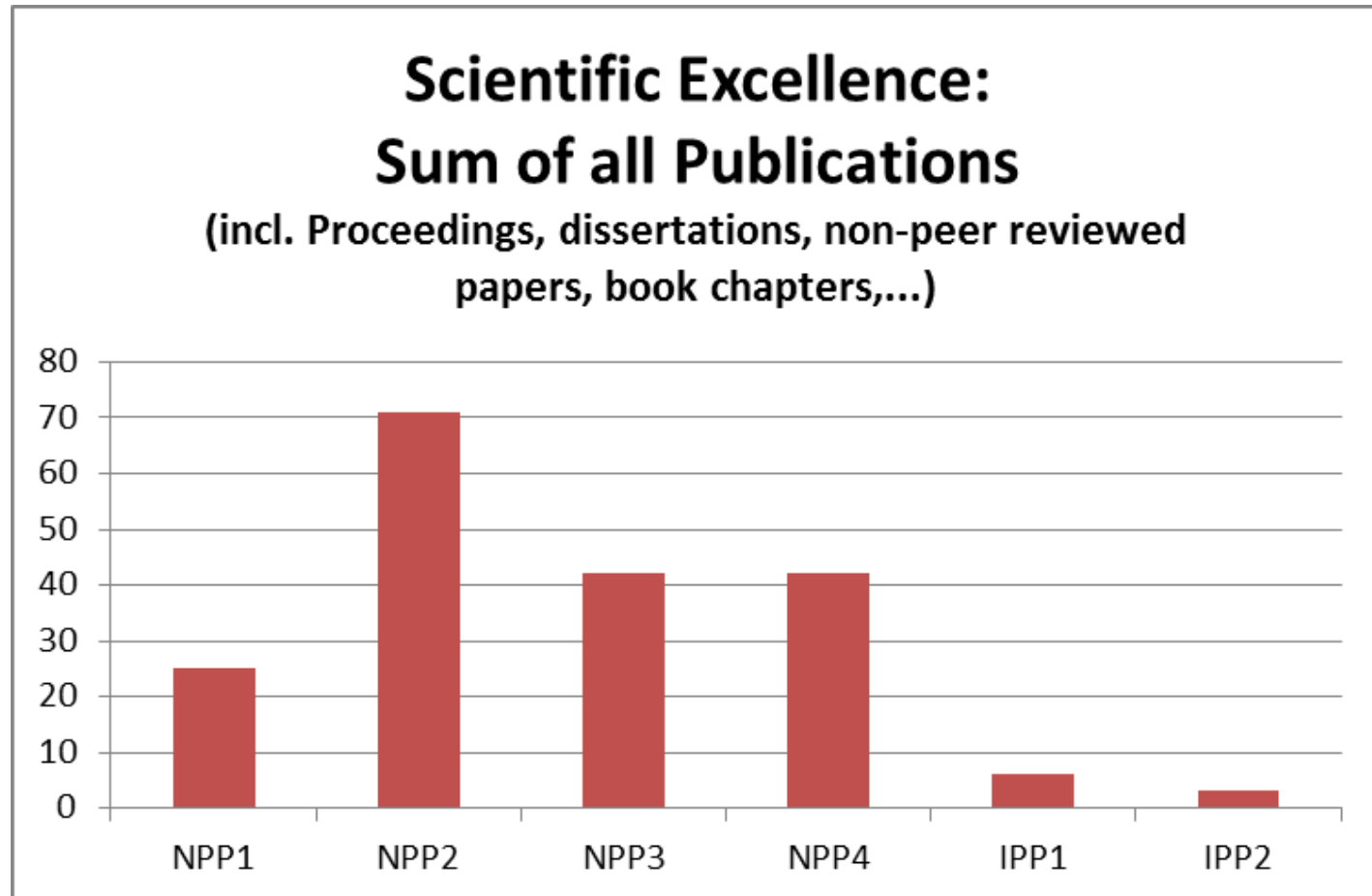
**Ülle Must –
Estonian Research Council**



Project Monitoring and Evaluation



Project Monitoring and Evaluation



INNO INDIGO Platform for Funders (PfF)

- bring together funding organisations from Europe and India to discuss future multilateral joint calls
- Discuss other topics related to Indo-European collaboration
- The PfF provides its members with opportunities for networking and sharing experience with their European and Indian counterparts



4 Annual PfF meeting

- **2014: Berlin:** 25 participants/ 13 funding agencies
- **2015: Helsinki:** 25 participants/ 15 funding agencies
- **2016: Vienna:** 29 participants/ 16 funding agencies
- **2017: Tallinn:** 24 participants/ 14 funding agencies



Achievements in Summary

- The PfF has been set-up quickly as the main forum for an exchange of funding agencies from India and Europe about multilateral Indo-European calls and other subjects of interest
- The interest in the meetings has grown with each meeting
- Smaller member states, regions from Europe and state governments from India have participated in the meetings



Achievements in Summary

- The PfF has become a strong network of funding agencies with the intention to continue joint calls for proposals



Achievements in Summary



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