



# European Union Research and Innovation cooperation opportunities



**Kolkata | 12-14 September 2018**

Research and  
Innovation

## Why collaborate with the European Union?

- Because the EU is a world leader in Research and Innovation:
  - 24% of global expenditure on research generated by Europe
  - 32% of high impact publications
  - 32% of patent applications
  - Some of the best universities (25 in top 100)
  - Some of the most innovative companies (1/4 of world's top 2000 R&D investors)

Indicator		India	EU28
R&D intensity (GERD as % of GDP)	2017	0.69	2.03

- Multilateral R&I funding programme "Horizon 2020": Open to the World

# Horizon 2020 three priorities





# Horizon 2020

- Funding opportunities published in multi-annual **Work Programmes** and Calls for Proposals on all three pillars
- Latest Work Programme 2019 published on 24 July 2018: see EU Participants Portal and the EU Delegation website
- ERC programme published on 7 September
- Focus in 2019 WP : Innovation/Startups
- Call open to Indian participants (university, institutes, SMES, NGOs and industrial scientists)



# Types of Action

Indians can participate in 'Horizon 2020' in:

1. **Collaborative research:** Health, Water, Bio-economy, Biotechnology, Nanotechnologies, Advanced materials, ICT, Energy, ICT etc.
2. **Researchers Mobility:** Marie Skłodowska-Curie Action : PhD, Post-Doc and short-term mobility of research and innovation staff;
3. **European Research Council (ERC)** grants support individual researchers of any nationality and age who wish to pursue their frontier research.



# (1) Collaboration: participation & funding

- Create consortia with European partners (always **three minimum**) to find solutions to common global challenges (pillar 3) or create competitiveness through Industrial Leadership (pillar 2).
- As an emerging economy, India is **not automatically funded by EU**. The following options are possible for Indian entities:
  - **Co-Funding Mechanism (CFM)** established with Indian Government (DST/DBT/MoES): funding successful Indian applicants in H2020 calls of national interest to India: see DST/DBT/MoES Websites.
  - Own Funding/participation in-kind
  - Under exceptional circumstances, EC will fund Indian participant.

**New list of Co-Funded call by DST/DBT by end of October 2018**

# Example of Co-Funded Calls (Closed)



Theme	CALL NAME / TOPIC (click topic name to follow link)	Type of Action & Model	Deadline
BIO-ENERGY (SC3)	<a href="#">LC-SC3-RES-22-2018: Demonstration of cost effective advanced biofuel pathways in retrofitted existing industrial installations</a>	single-stage-IA	05/04/2018 17:00 CET
HEALTH (SC1)	<a href="#">SC1-BHC-16-2018: Global Alliance for Chronic Diseases (GACD) - Scaling-up of evidence-based health interventions at population level for the prevention and management of hypertension and/or diabetes</a>	single-stage-RIA	18/04/2018 17:00 CET
HEALTH (SC1)	<a href="#">SC1-BHC-18-2018: Translational collaborative cancer research between Europe and the Community of Latin American and Caribbean States (CELAC)</a>	single-stage-RIA	18/04/2018 17:00 CET
HEALTH (SC1)	<a href="#">SC1-BHC-21-2018: Research on HIV, tuberculosis (TB) and/or hepatitis C (HCV) in patients with mono-, co-infections and/or comorbidities in the context of fostering collaboration with the Russian Federation</a>	single-stage-RIA	18/04/2018 17:00 CET
Biotechnology (NMBP)	<a href="#">CE-BIOTEC-04-2018: New biotechnologies for environmental remediation</a>	single-stage-RIA	25/04/2018 17:00 CET



## Example of Open Call -2019

- Energy: renewables and smart grids
- Nanotechnology and advanced materials;
- Health (vaccines, chronic diseases, mental health);
- Bio-economy and Agri-food;
- ICT (5G, Cyber-Physical-Systems, Robotics);
- Climate Change/Environment: waste management/water, Polar Sciences;
- Green transport : e-Vehicles.





European  
Commission

Thematic Area	Call Topic	Action	Model	Opening date	1st stage Deadline	2nd stage Deadline
Circular Economy:	<a href="#">CE-SC5-07-2019: Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes</a>	IA Innovation action	two-stage	14-Nov-18	19-Feb-19	04-Sep-19
Circular Economy:	<a href="#">CE-NMBP-25-2019: Photocatalytic synthesis (RIA)</a>	RIA Research and Innovation action	two-stage	16-Oct-18	22-Jan-19	03-Sep-19
Energy renewable	<a href="#">LC-SC3-RES-29-2019: Converting Sunlight to storable chemical energy</a>	RIA Research and Innovation action	single-stage	07 May 2019	27 Aug 2019	
Green Transport	<a href="#">LC-GV-03-2019: User centric charging infrastructure</a>	IA Innovation action	single-stage	04-Dec-18	24-Apr-19	
Nano Tech	<a href="#">DT-NMBP-08-2019: Real-time nano-characterisation technologies (RIA)</a>	RIA Research and Innovation action	two-stage	16-Oct-18	22-Jan-19	03-Sep-19
Energy- ICT	<a href="#">DT-ICT-11-2019: Big data solutions for energy</a>		single-stage	16-Oct-18	02-Apr-19	
Health	<a href="#">SC1-BHC-13-2019: Mining big data for early detection of infectious disease threats driven by climate change and other factors</a>	RIA Research and Innovation action	single-stage	26-Jul-18	16/04/2019 17:00	
Health	<a href="#">SC1-DTH-01-2019: Big data and Artificial Intelligence for monitoring health status and quality of life after the cancer treatment</a>	RIA Research and Innovation action	single-stage	16-Oct-18	24/04/2019 17:00	



## (2) Career Funding for PhD and Post-Doc

### Marie Skłodowska-Curie actions

- **MSCA Individual Fellowships (Post-Doc)**
  - Global Fellowships (For European to India Host Institute)
  - Standard European Fellowships (For Indian to European Host Institute)
  - Next call Opening: 11 April 2019 | Deadline: 11 September 2019
  
- **PhD Fellowships funded by MSCA**
  - Regular publication on Job on MSCA / EURAXESS website

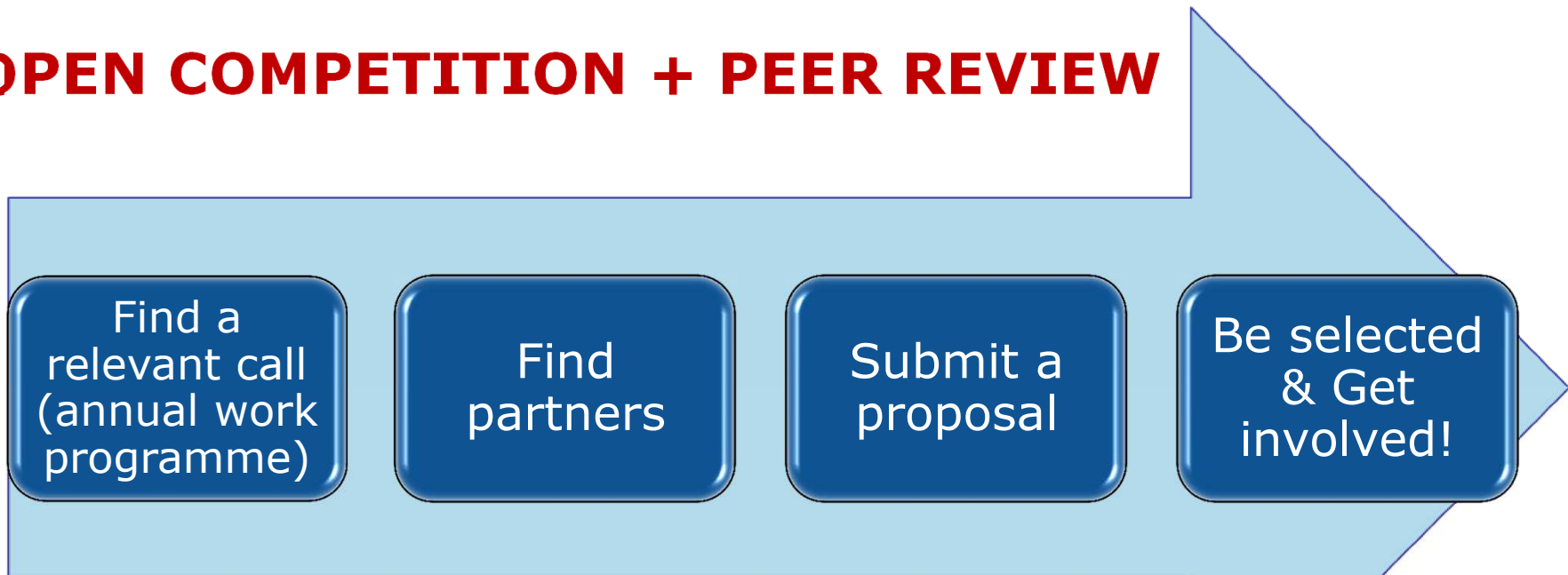
## Indicative summary of main calls from the 2019 budget<sup>1</sup>

	<i>Starting Grant</i>	<i>Consolidator Grant</i>	<i>Advanced Grant</i>	<i>Synergy Grant</i>	<i>Proof of Concept Grant</i>
<i>Call identifier</i>	ERC-2019-StG	ERC-2019-CoG	ERC-2019-AdG	ERC-2019-SyG	ERC-2019-PoC
<i>Call Opens</i>	14/09/2018	24/10/2018	21/05/2019	14/09/2018	16/10/2018
<i>Call closes (cut-off dates for PoC)</i>	17/10/2018	07/02/2019	29/08/2019	08/11/2018	22/01/2019 25/04/2019 19/09/2019
<i>Budget million EUR (estimated number of grants)</i>	580 (390)	602 (314)	391 (166)	400 (48)	25 (167)
<i>Planned dates to inform applicants (after each step or cut-off date)</i>	22/05/2019 28/08/2019	23/07/2019 18/12/2019	31/01/2020 17/04/2020	12/04/2019 30/08/2019 31/10/2019	02/05/2019 25/07/2019 18/12/2019
<i>Indicative date for signature of grant agreements (by cut-off date for PoC)</i>	05/01/2020	26/04/2020	25/08/2020	09/03/2020	09/09/2019 02/12/2019 26/04/2020

<sup>1</sup>These opening dates and cut-off dates are indicative. The Director of the European Research Council Executive Agency may open it up to one month prior to or after the envisaged opening date. The Director may delay the envisaged deadline by up to two months. The budget amounts for 2019 are subject to the availability of the appropriations provided for in the draft budget for 2019 after the adoption of the budget for 2019 by the budgetary authority or if the budget is not adopted as provided for in the system of provisional twelfths.

# How to participate in Horizon 2020?

**= OPEN COMPETITION + PEER REVIEW**



# Sign up as an expert/reviewer

The image shows a screenshot of the H2020 Participant Portal website. A blue box labeled '1' highlights the top navigation bar, which includes the European Commission logo, the text 'RESEARCH & INNOVATION Participant Portal', and a breadcrumb trail: 'European Commission > Research & Innovation > Participant Portal > Experts'. The 'EXPERTS' link in the breadcrumb trail is circled in red. Below the navigation bar, there are menu items: 'HOME', 'FUNDING OPPORTUNITIES', 'HOW TO PARTICIPATE', 'EXPERTS', and 'SUPPORT'. A search bar labeled 'Search PP' is also visible.

On the left side of the page, there is a section titled 'Experts' with a sub-header 'H2020 ONLINE MANUAL'. Below this, there is a 'New experts' section and a 'Who can be an expert?' section. A blue box labeled '2' highlights a 'REGISTER AS EXPERT' button in the 'Who can be an expert?' section. The button is circled in red.

The 'Who can be an expert?' section contains the following text: 'You have a chance of being selected as an expert if you:'. Below this, there is a list of criteria: '• have high-level of expertise in the relevant fields of research and innovation (see call for details on types of expertise).'. Below the list, there is a note: 'can be available for occasional, short-term assignments'. Below the note, there is a 'REGISTER AS EXPERT' button.

Below the 'REGISTER AS EXPERT' button, there is a section titled 'In addition, experts assist in the :'. Below this, there is a list of tasks: '• preparation, implementation or evaluation of programmes and design of policies. This includes the Horizon 2020 Advisory Groups.'. Below the list, there is a section titled 'Assignments mainly concern research and innovation, falling within the Horizon 2020 programme designed to address the challenges Europe is facing through funding excellent science, technology and innovation.'. Below this, there is a section titled 'Take a look at the most recently'.

At the bottom of the page, there is a blue box with the text: 'H2020 Participant Portal: [ec.europa.eu/research/participants/portal](https://ec.europa.eu/research/participants/portal)'. Below this, there is the European Commission logo and the text 'European Commission'.

# How to Find Partners?

- **CORDIS:** is the Research and Technological Development (RTD) platform of the EU, including several on-line databases and partner search
  - <http://cordis.europa.eu/> OR <https://cordis.europa.eu/partners/web/guest>
- **Ideal-ist is an international ICT (Information and Communication Technologies)**
  - <http://www.ideal-ist.eu/partner-search/pssearch>
- **Partner Search for Nanosciences and Nanotechnologies, Materials and New Production Technologies (NMP)**
  - <https://www.nmp-partnersearch.eu/index.php>
- **Fit for Health 2.0 – Partner search**
  - <http://www.fitforhealth.eu/user?ReturnUrl=http%3a%2f%2fmm.fitforhealth.eu%2fcommon%2fcontactshome.asp>
- **Innovative Medicines Initiative (IMI) Partner Search Tool**
  - <https://cloud.imi.europa.eu/web/eimi-pst>
- **CaRE: Climate action, environment, resource efficiency and raw materials**
  - <http://partnersearch.ncps-care.eu/>
- **EEN (The European Enterprise Network) targets SMEs:** <http://een.ec.europa.eu/>
  - The EEN helps small and medium-sized enterprises (SMEs) make the most of business opportunities in the EU and beyond. It covers 17 key sectors that can be relevant to LIFE.  
<http://een.ec.europa.eu/tools/services/SearchCenter/Search/ProfileSimpleSearch>

- **H2020 Participant Portal:**  
<http://ec.europa.eu/research/participants/portal/>
- **MSCA website:**  
<http://ec.europa.eu/mariecurieactions>
- **European Research Council (ERC)**  
<http://erc.europa.eu>
- **Erasmus +**  
<http://ec.europa.eu/erasmus-plus>
- **EU-DBT calls (Health and Biotechnology)**  
<http://www.dbtindia.nic.in/wp-content/uploads/DBT-EU-calls-under-H2020-.pdf>

- **Expert evaluator H2020- European commission**  
<http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>
- **EURAXESS European Researchers Mobility Portal:**  
<https://euraxess.ec.europa.eu/worldwide/india>
- **Startup Europe India Network:**  
<https://startupeuropeindia.net/>
- **EU Delegation to India**  
<http://eeas.europa.eu/delegations/india/>
- **Contact :** [delegation-india-ri@eeas.europa.eu](mailto:delegation-india-ri@eeas.europa.eu)



# EURAXESS – Researchers in motion



### INFORMATION & ASSISTANCE

- RELOCATION ASSISTANCE IN 40 EUROPEAN COUNTRIES
- HANDS ON SUPPORT FOR MOBILE RESEARCHERS (VISA, ACCOMMODATION)

### PARTNERING

- NEW **EURAXESS** DATABASE FOR RESEARCHERS, ENTREPRENEURS, RESEARCH ORGANISATIONS & UNIVERSITIES AND BUSINESS

### JOBS & FUNDING

- JOB PORTAL & FUNDING DATABASE WITH THOUSANDS OF OFFERS DAILY
- INITIATIVES FOR RESEARCHERS' RIGHTS AND REGULATIONS IN EUROPE

### WORLDWIDE

- LINKING EUROPE TO THE WORLD
- ASEAN, LAC/BRAZIL, CHINA, JAPAN, NORTH AMERICA, SOUTH KOREA, AUSTRALIA/NEW ZEALAND ... AND **INDIA**





EURAXESS - Researchers in Motion

JOB'S & FUNDING

PARTNERING

INFORMATION & ASSISTANCE

EURAXESS WORLDWIDE

LOGIN / REGISTER



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# EURAXESS India

EURAXESS India links researchers in India with Europe. Free information and events on research funding, research careers and collaboration opportunities. EURAXESS India has been serving researchers in all fields interested in a research career in Europe since 2011.

**SIGN UP AND BECOME A MEMBER FOR FREE!**

- NEWS & EVENTS
- CAREER & FUNDING
- PUBLICATIONS
- USEFUL INFORMATION
- ABOUT & CONTACT

## NEWS



**Community Website**



**Flashnotes Newsletter**



**Info sessions EURAXESS Events**





**REGISTER @ <http://india.euraxess.org>**



***india@euraxess.net***



***linkedin.euraxess.org***



***Euraxess Links India***



***Thank you***

***Dr. Samrat S. Kumar,  
Country Representative***





**Belgium, gateway to Europe**





# SAY HI TO INDIA'S BIGGEST EYE ON THE SKY

Kicked off in 2007, the telescope was built as part of an Indo-Belgian collaboration with the help of the Russian Academy of Sciences.

It is operated by the Aryabhata Research Institute of Observational Sciences (ARIES)

**WHAT WILL IT STUDY?**

- Magnetic field structure of stars
- Chemical evolution of Milky Way
- Extra-solar planets
- Formation of stars and their evolution in different environments
- Movement of stars in the outer region and the halo of the Milky Way
- Planet formation

PM Modi and his Belgian counterpart Charles Michel switched on the Uttarakhand-based ARIES telescope, Asia's largest, on March 30

The telescope is located at the peak of 2.5 km high hill in the Western Himalaya, 50km from Nainital

**SPECIAL FEATURES...**

- ▶ The telescope has a 3.6-metre-wide primary mirror which collects light from its field of view and focuses it onto a 0.9-m secondary mirror, which in turn will divert it into various detectors for analysis
- ▶ While the Hubble space telescope captures cosmic panoramas with a primary mirror that's 2.4 m wide but its clarity is better because it is situated in space
- ▶ While the combined weight of ASTROSAT's mirror and six instruments is 1,500 kg, the Devasthal telescope's primary mirror alone weighs 4,000 kg

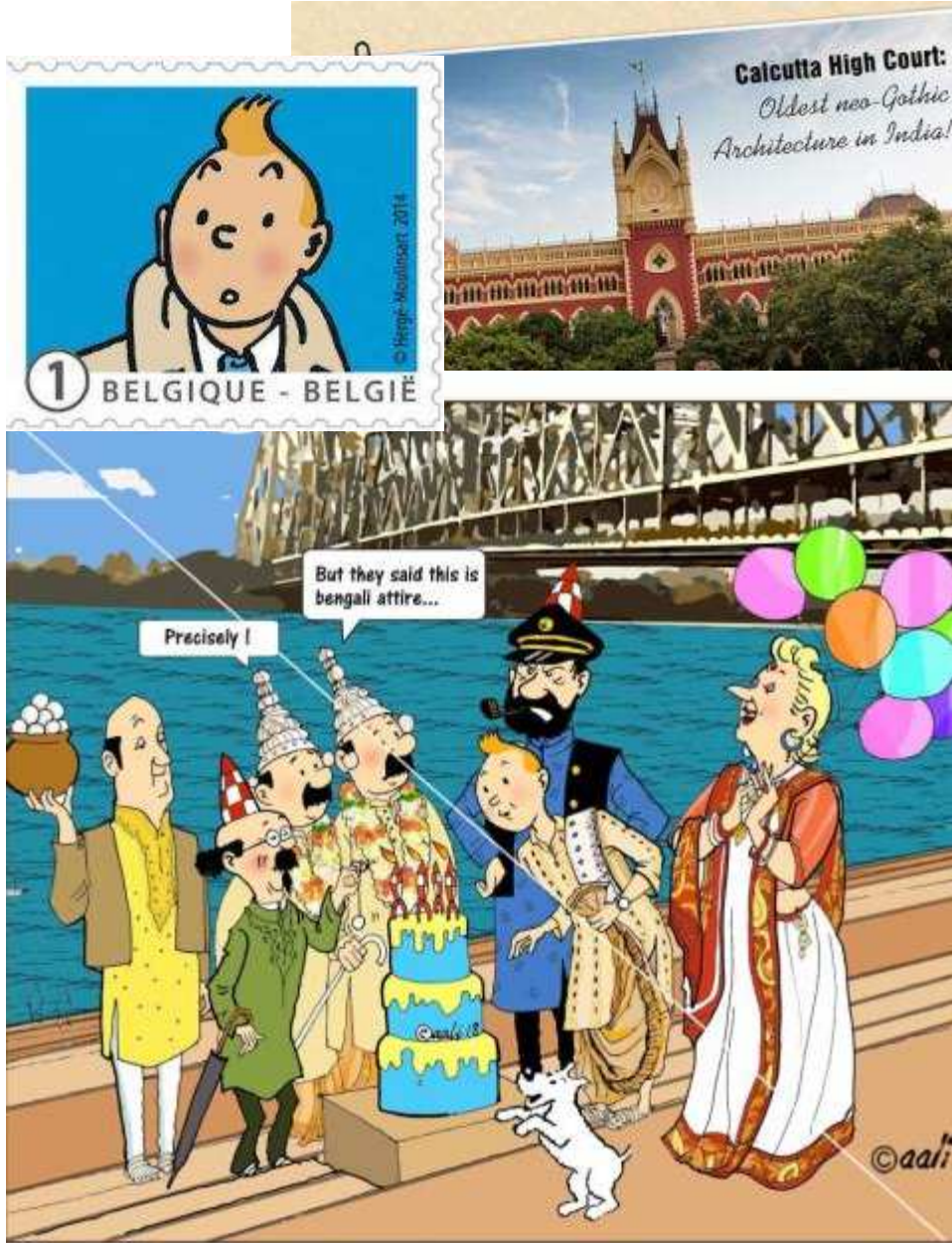
Graphic: Suresh Singh

“ Prime Minister Charles Michel and I have just activated, remotely, India's largest optical telescope. Even sky is not the limit. This product of Indo-Belgian collaboration is an inspiring example of what our partnership can achieve ”

— PM NARENDRA MODI

## Belgium and India jointly built Asia's largest optical telescope





বেলজিয়াম - শুধু প্রযুক্তির নয় আমরা টিনটিনের ও ভূমি ।



Embassy of the  
Czech Republic in  
New Delhi



The Czech Academy  
of Sciences



TECHNOLOGY  
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CZECHINVEST

Investment and Business Development Agency

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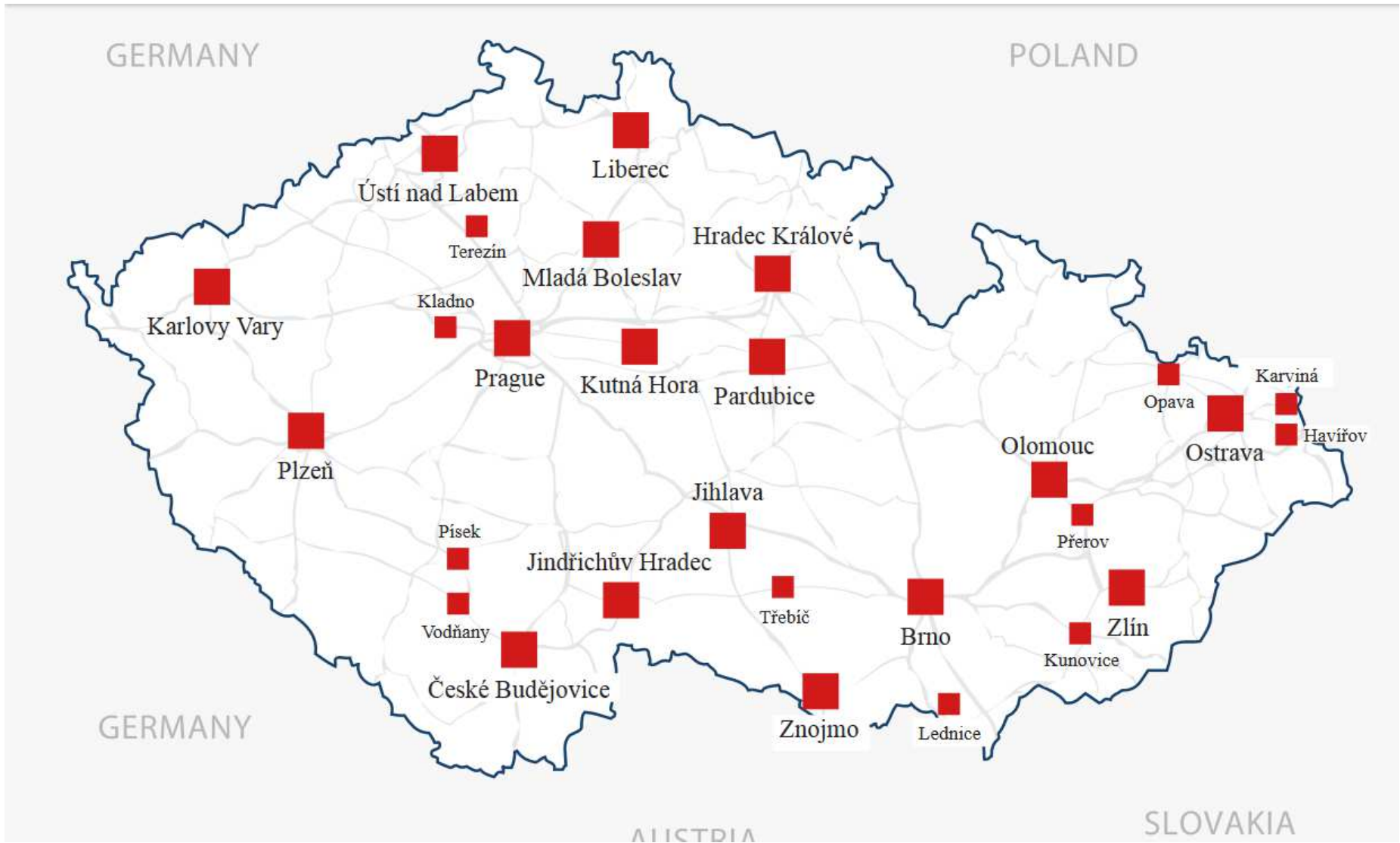


Technology  
Agency  
of the Czech Republic



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OF LIFE SCIENCES PRAGUE



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Palacký University  
Olomouc



**UNIVERSITY OF  
CHEMISTRY AND  
TECHNOLOGY  
PRAGUE**

**WORK PLAN  
FOR SUPPORT OF INDIAN - CZECH JOINT PROJECTS  
FOR THE YEARS 2019 – 2022**

*signed on 7<sup>th</sup> of September 2018*

- Information and communication technologies;
- Natural sciences and biotechnology;
- New materials and nanotechnology;
- Medical sciences (including pharmaceutical sciences) and food safety;
- Research of climate change, environment and energy.





Embassy of the  
Czech Republic in  
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## Milan Dostál

Commercial Economic Counsellor

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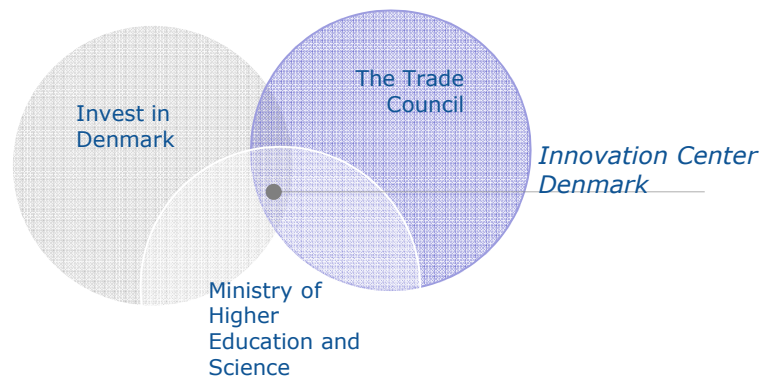


*Sune Kaur-Pedersen  
Counsellor, Innovation & Research  
Embassy of Denmark*



## Innovation centre denmark: a three-pronged approach

### Relationship with the Ministry of Denmark



### Our Global Presence



- ICDK is the key partner and matchmaker for Danish companies, universities, other HEIs and other Public and Private institutions looking to access India as a knowledge hub and a market.
- ICDK assists companies, universities and higher education institutions in the planning and execution of delegation visits, workshops, matchmaking as well as in concluding agreements

#### Services for companies

- Matchmaking
- Guidance on Industry experts and dedicated consultants to enable expansion or setup in India
- Guidance on India specific industry research
- Guidance on incubator and startup environments, venture capitalists, Angel Investors etc.
- Ministry guidance in setting up business outside Denmark

#### Services for universities / Higher Education Institutions

- Matchmaking
- Guidance on India's top research environments and researchers
- Guidance on India specific basic and applied research
- Guidance in collaborating with the Indian research and innovation communities
- Guidance in research funding in Denmark, EU and India



## Funding Opportunities India

Guide on funding opportunities for Mobility, Research,  
Innovation and Export between India and Denmark



Links to Innovation Centre Denmark  
<http://icdk.um.dk/>

Embassy of Denmark  
<http://indien.um.dk/>

Links to the funding guide:

- <http://ufm.dk/publikationer/2016/ny-guide-til-stotte-muligheder-for-dansk-indisk-forsknings-samarbejde>
- <http://icdk.um.dk/en/reports/>





European Commission



# FRANCE CNRS







## Our network and tools

# FRANCE

- **Two French Research Institutes in India:**
  - **IFP (French Institute of Pondicherry):** since 1955 in Indology, Social Sciences and Ecology
  - **CSH (Centre for social sciences and Humanities – Delhi):** since 1980 in economics, political sciences, sociology
- The **CEFIPRA**, Indo French ST&I bilateral agency



*DST, March Nov 2015*



*DBT, March Nov 2015*



*IISER, Pune, Nov 2015*





**FRANCE**

# **CEFIPRA** or **IFCPAR**

Centre Franco-Indien de Promotion de la Recherche Avancée

## **Mandate**

- Supporting collaborative research [avg duration of projects: 3yrs; Avg funding: 1,1 cr INR (max 1.45 cr INR)]
- Organizing seminars and workshops on relevant themes
- Encouraging PPPs and co-funded programmes

*Towards building a strong and sustainable IND/FR cooperation ecosystem in S&T&I*





# Student mobility

# FRANCE

## → Master and Bachelor

**Charpak Programme - Research Internship Program**  
For students' internship at a French laboratory, managed by



## → Scholarships for short doctoral stay in France

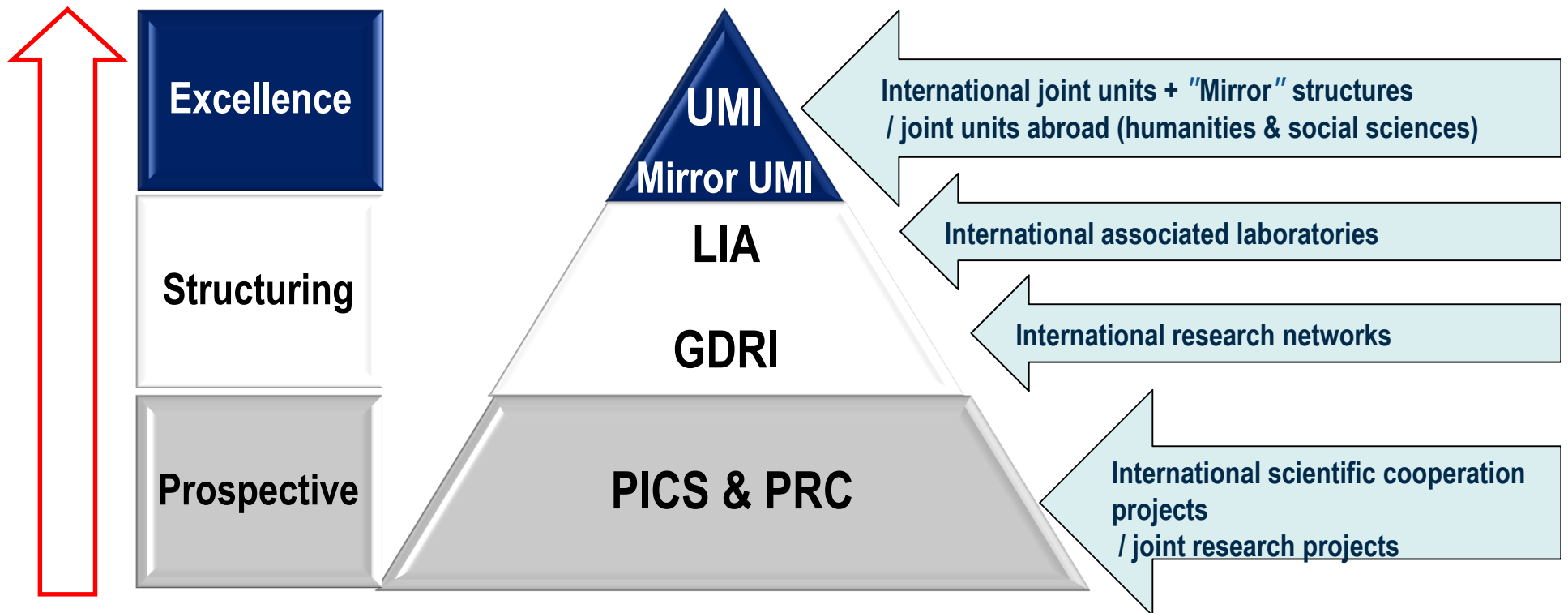
- **Raman-Charpak Scholarships** (stay from 2 to 6 months)
  - (managed by CEFIPRA)
- **Eiffel Scholarships** programme, managed by Campus France.  
Applications are filled in by the French establishment
  - **Master's** branch: funds master's courses lasting between 12 and 36 months;
  - **PhD** branch: offers funding for PhD students to spend 10 months in France, through joint supervision or dual enrollment





The CNRS plays a key role in global structuration & has developed a range of cooperative tools functioning on a competitive basis

**FRANCE**  
**CNRS**





**FRANCE**

## Contact and further information

- <http://www.frenchscienceindia.org/>
- [www.cefipra.org/](http://www.cefipra.org/)
- [www.inde.campusfrance.org/](http://www.inde.campusfrance.org/)
- [srini.kaveri@cnr.fr](mailto:srini.kaveri@cnr.fr)





**GERMANY**

## Land of Ideas



- **Leading science nation with long history of science - 399 Institutions of Higher Education and 80 Nobel Prizes**
- **Close interlinking of large-scale research facilities with worldwide partners**
- **Well-qualified scientists, researchers, technicians and laboratory staff**
- **Highly efficient & highly differentiated science and research system**
- **Equipment easily available to research centres**
- **Increasing level of internationalization - Strategic Partnership with India**
- **Many scholarship and funding opportunities**





**GERMANY**

## German research organisations

- Max Planck Society (MPG)
- Fraunhofer-Gesellschaft (FhG)
- Helmholtz Association of German Research Centres (HGF)
- Gottfried Wilhelm Leibniz Science Foundation (WGL)
- Universities & Academies
- Federal and Länder Institutions carrying out R&D
- Business Enterprises

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**Research in Germany** : <https://www.research-in-germany.org/en/infoservice/newsletter.html>





**GERMANY**

## Scholarship & Funding Sources

- German Research Foundation (DFG)
- German Academic Exchange Service (DAAD)
- Alexander von Humboldt Foundation (AvH)
- Universities
- German Foundation for Peace Research (DSF)
- German Foundation for the Environment (DBU)
- Foundation of German Humanities Institutes Abroad (DGIA)
- German Federation of Industrial Research Associations – AiF
- Indo-German Science & Technology Centre (IGSTC)

## Contact & Further Information:

[www.dfg.de](http://www.dfg.de) [www.daad.de](http://www.daad.de) [www.avh.de](http://www.avh.de) [www.study-in.de](http://www.study-in.de)

[www.hochschulkompass.de](http://www.hochschulkompass.de) [www.research-in-germany.org](http://www.research-in-germany.org)





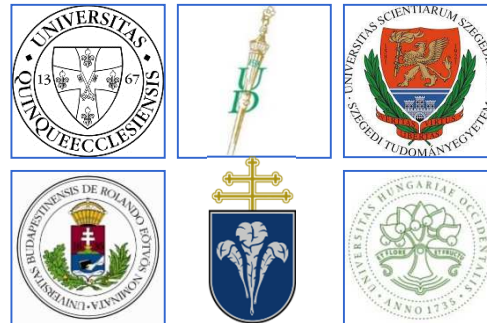
European  
Commission

# HUNGARY

## Research & mobility



- Geochemistry
- Physics and Materials Science
- Materials and Environmental Chemistry
- Enzymology
- Organic Chemistry
- Solid State Physics and Optics
- Nanocomposites Research
- Veterinary Science
- Soil Science and Agrochemistry
- Biophysics



- Over 550 study programs in English, German, and other languages
- 66 universities and colleges



- Postgraduate or postdoctoral research





# HUNGARY

## Active cooperation

**agINFRA.eu:** Science Gateway & big data aggregator for CIARD RING (**FP7 project**) → Indian Statistical Institute

**Inst. of Computer Science and Control** → Amity

**Szent Istvan Univ.** → Mumbai Univ.

**Eötvös Lóránd Univ.** → Calcutta, Madaras, Thapar, Jadavpur

**Debrecen University** → Ayurveda Centres

**University of Pecs** → KIIT Univ. Bhubaneswar

**Budapest Univ. of Techn. and Economy** → IIT Delhi

**Szeged University** → Management Development Institute Gurgaon





# HUNGARY

*Hilda Farkas PhD*

*Counsellor, Science & Technology*

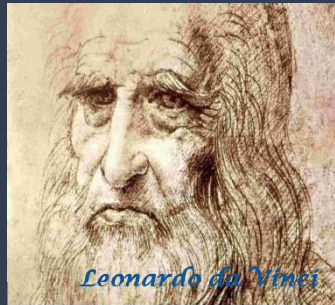
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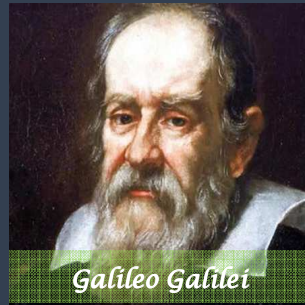
# Make your science in *Italy*



*Leonardo da Vinci*



*Ettore Majorana*



*Galileo Galilei*



*Guglielmo Marconi*



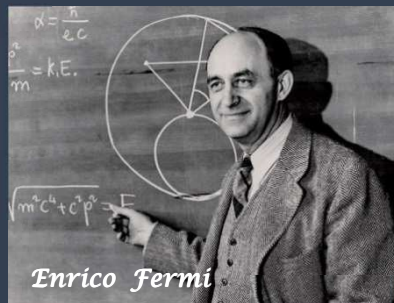
*Luigi Luca Cavalli-Sforza*



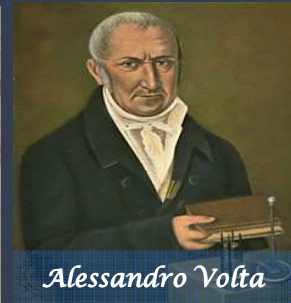
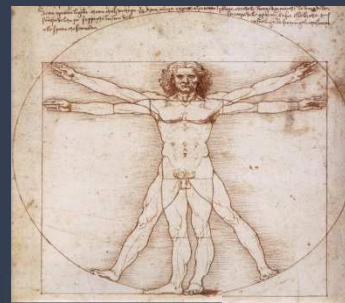
*Rita Levi Montalcini*



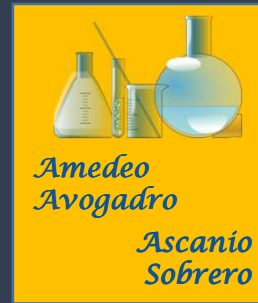
*Renato Dulbecco*  
*Aliseo Ferraris*



*Enrico Fermi*



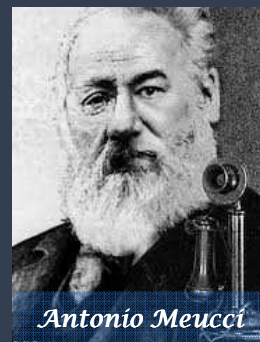
*Alessandro Volta*



*Amedeo Avogadro*  
*Ascanio Sobrero*



*Fabiola Gianotti*



*Antonio Meucci*



*Emilio Segré*



*Salvador Luria*  
*Camillo Golgi*



*Giulio Natta*



*Carlo Rubbia*

*Non si può insegnare niente; si può solo far sì che uno le cose le trovi in se stesso*

*Galileo Galilei*

*You cannot teach people anything; you can only help them discover it within themselves*

**ITALY**



**Massimo Spadoni**

*Scientific Attaché – Embassy of Italy in New Delhi*

**FELLOWSHIPS:**



**Invest Your Talent in Italy (IYT) Programme**

Master and postgraduate courses at prestigious Italian Universities

**SCIENTIFIC COOPERATION:**

**ITPAR – IV Phase Programme for Advanced Research  
DST – ELETTRA Synchrotron Programme**



Elettra Sincrotrone Trieste



UNIVERSITY OF TRENTO - Italy



भारतीय विज्ञान संस्थान



Department of Science & Technology, Government of India

सत्यमेव जयते

**DST-CII**

**INDIA   ITALY  
Technology Summit**

**29-30 October 2018: New Delhi**



Confederation of Indian Industry

# ITALY



Massimo Spadoni

Scientific Attaché – Embassy of Italy in New Delhi



Massimo Spadoni

Embassy of Italy in New Delhi

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**ITALY & INDIA Research Hub**  
WWW.INDOITALIANRESEARCH.ORG

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TRENDING NOW

**EVENT: INDIA-ITALY Technology Summit, 29-30 OCT 2018**  
adm - August 21, 2018

**NEWS: Minister Moavero Milanesi meets with his Indian counterpart, Sushma Swaraj**

**Italian Research Day 2018 - Event and Photo Exhibition on The Himalayas**

**NEWS: Indo-Italian Winter School on Soil Remediation at NEERI**

**H2020 Open Calls with India**

OPPORTUNITIES, GRANTS & FELLOWSHIPS

**cooperation with ITALY**

**FELLOWSHIPS: Invest Your Talent in Italy**  
adm - July 12, 2018

Invest Your Talent in Italy (IYT) programme offers you the opportunity to develop your skills through a range of MASTER'S AND POSTGRADUATE COURSES TAUGHT IN...

**cooperation with EUROPE**

**GRANTS: H2020 Programme with India**  
adm - February 19, 2018

The EU's research and innovation framework programme 'Horizon 2020' (2014-2020), is fully open to participation of entities from across the world in all parts...

**cooperation with RESEARCH BODIES**

**GRANTS: Experiments at Elettra Synchrotron in Trieste**  
adm - July 2, 2018

The third-generation Italian synchrotron radiation facility Elettra located on the outskirts of Trieste, which has been serving the national and international scientific and industrial...

[www.indoitalianresearch.org](http://www.indoitalianresearch.org)



# The Swedish research system - overview

Sweden is among the nations worldwide that devote the most money to research relative to its population.

Sweden's expenditures for R&D is total 3.42% of GDP.

There are ~50 universities and university colleges, 31 of these are public.

Sweden has acquired a leading position in –

- Environmental technology
- Nanotechnology
- Waste management
- Biofuels
- Electric Vehicles





European Commission



**A country of multinationals**


**Sweden – a place for innovation**

- Tech-savvy, open minds
- Sophisticated private sector
- Extensive R&D investments
- Ecosystem for innovation

Image: Magnus Linn, Fotostudio.com





European  
Commission

Swedish Research Council

[www.vr.se](http://www.vr.se)



Vetenskapsrådet

FORTE

[www.forte.se](http://www.forte.se)

**FORTE:**

Forskningsrådet för  
hälsa, arbetsliv och välfärd

FORMAS

[www.formas.se](http://www.formas.se)



VINNOVA

[www.vinnova.se](http://www.vinnova.se)



Swedish Energy Agency

[www.swedishenergyagency.se](http://www.swedishenergyagency.se)



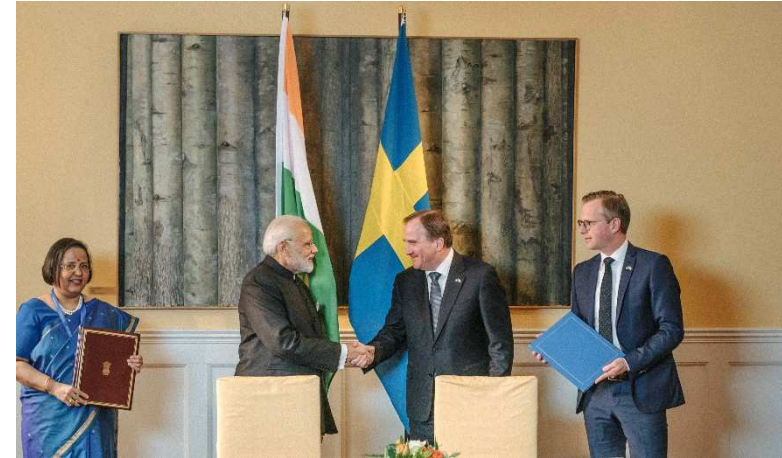
Swedish National Space Board

[www.snsb.se](http://www.snsb.se)





# Joint Declaration on Sweden-India Innovation Partnership for a Sustainable Future



## Areas for collaboration -

Smart cities and transportation including e-mobility  
Smart industry, digitalisation, start-ups and IPR issues  
New materials and advanced manufacturing  
Space and Aeronautics  
Circular and bio-based economy including biomaterials  
Health and life sciences including biomedical devices





## Apply for funding

**Leadership programmes –**  
SI Management Programme Asia  
SI Sustainability Forum  
Young Connectors of the Future –  
YCF

*Applications will open in early 2019.*

<https://si.se/en/>

**Research funding -**  
Bilateral R&D programs in Computer  
science and Material science.

*Applications will open in October 2018.*

<https://www.vr.se/>

## Participate in Sweden-India Nobel Quiz 2019



an all-expenses paid  
**Win a trip**  
**DESTINATION: SWEDEN**  
**The Sweden India Nobel Memorial Quiz**

**Tentative Schedule:**

28-09-2018	Mumbai
29-09-2018	Ahmedabad
01-10-2018	Kolkata
03-10-2018	Bangalore
05-10-2018	Chennai
06-10-2018	Hyderabad
01-11-2018	New Delhi

**Teams:**

- ◆ Three-member team
- ◆ Multiple entries per college

**Prizes:**

- ◆ Winning team gets an all-expenses paid trip to Sweden
- ◆ Exciting audience prizes
- ◆ Participation certificates

**SWEDEN INDIA 2018 NOBEL MEMORIAL**



For further queries contact the following officials at the Embassy of Sweden,  
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UK

# UK Participation in EU R&I funding programmes

*Joint report UK Government and the negotiators of the European Union (8 December 2017)*

- **“Following withdrawal from the Union, the UK will continue to participate in the Union programmes financed by the MFF 2014-2020 until their closure”**

*In the case of no-deal Brexit*

- **The UK Government maintains the Underwrite Guarantee and has announced a Post EU Exit Guarantee Extension to cover the entire current EU budget period until the end of 2020.**

**<https://www.gov.uk/government/publications/uk-participation-in-horizon-2020-uk-government-overview>**





**UK**

# India-UK Research and Innovation Partnership

£400 million joint UK-India R&I investment over 10 years, of that £300 million in partnership with UK Research and Innovation.

Joint programmes with Government of India (including DBT, DST, MoES, ICSSR, ICHR).

Newton-Bhabha Fund

UK Research  
and Innovation

 **Newton-Bhabha  
Fund**





UK

# India-UK Research and Innovation Funding Opportunities

Global Challenges Research Fund (£1.5 bn)

UK Research and Innovation international opportunities:

[Stage 1 - First links](#)

[Stage 2 - A broader relationship](#)

[Stage 3 - Pilot studies](#)

[Stage 4 - Sustainable interactions](#)

More information:

<https://www.ukri.org/research/international/international-funding-opportunities/>

UK Research  
and Innovation





UK

## Further Information and Contacts

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[helen.dewberry@ukri.org](mailto:helen.dewberry@ukri.org)

UKRI India Together for Impact video  
<https://www.youtube.com/watch?v=NkF7QmfTuQs>

UK Research and Innovation India:  
[www.ukri.org/india](http://www.ukri.org/india)

Newton Fund: [www.newtonfund.ac.uk](http://www.newtonfund.ac.uk)

Twitter: @UKRI\_India @UkinIndia

