



# **Overview of EU and member states Research and Innovation cooperation with India**



**Compilation by the  
Delegation of the European Union to India  
Research & Innovation Section**  
based on information received from EU member states

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**The latest version of this file can be found on the EU Delegation's web site:  
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## ABOUT THIS OVERVIEW

This overview of EU's and its member states' research and innovation cooperation with India is intended to present the main aspects of the existing cooperation schemes, enabling readers to scan the range them rapidly and to grasp their key features.

Information is provided, in particular, regarding:

- *Cooperation framework*: including e.g. bilateral agreements
- *Priorities* of the national R&I strategies (general and/or with respect to India)
- *Joint research institutes/laboratories* established in or with India
- *Innovation or industry related activities*: bilateral innovation dialogues, specific programmes and joint funding, etc.
- *Student & researcher mobility schemes open to Indians*
- *Main regular R&I programmes open to Indian (and other) participants*: mechanisms for cooperation activities e.g. joint calls and programme-level cooperation
- *Main initiatives or programmes specifically targeting Indian participants*
- *Trilateral or multilateral R&I initiatives open to Indian participants*.

The information contained in the document should be of interest to those in universities, private companies, research institutions and national agencies responsible for international relations or careers.

This Overview is complemented by the more specific *Compendium of European Mobility Schemes for Students and Researchers India ↔ Europe* ([June 2012 version](#)) that includes member states and EU mobility schemes. This Compendium provides information of interest to (i) researchers and students wishing to travel to India from Europe, and (ii) researchers and students wishing to return to or visit Europe from India.

The information presented in this Overview has been gathered together by the Research & Innovation Counsellors of the embassies of the EU member states in India and the Delegation of the European Union to India, as well as the members of [SFIC](#), the *Strategic Forum for International S&T Cooperation*. This document will be updated periodically.

Denis DAMBOIS  
Head of Research & Innovation  
Delegation of the European Union to India  
5/5 Shanti Niketan, New Delhi, 110 012 India  
[Delegation-India-RI@eeas.europa.eu](mailto:Delegation-India-RI@eeas.europa.eu)  
[http://eeas.europa.eu/delegations/india/eu\\_india/research\\_innovation](http://eeas.europa.eu/delegations/india/eu_india/research_innovation)



<p><b>Cooperation framework with India</b></p>	<p>An <a href="#">Agreement for scientific and technological cooperation</a> was signed in 2001, and <a href="#">renewed in 2007</a> (and it will be renewed again in 2016). It is implemented by the <a href="#">Directorate General for Research and Innovation</a> of the <i>European Commission</i> on the European side, and the <a href="#">Department of Science and Technology</a> on the Indian side. Annual <i>Joint Steering Committee</i> meetings review and oversee the activities carried out under this framework.</p> <p>An <a href="#">agreement for cooperation in the field of fusion energy research</a>, signed in 2009, is implemented by the <i>European Atomic Energy Community</i> (EURATOM) on the European side and the <i>Department of Atomic Energy</i> on the Indian side.</p> <p>An Agreement for <b>R&amp;D cooperation in the peaceful uses of nuclear energy</b> is currently under negotiation by the EU and India.</p> <p>After the establishment of the <i>Strategic Forum for International Cooperation in Research and Innovation</i> (<a href="#">SFIC</a>), India was the first partner country identified for closer cooperation. Within this framework an India-EU/member states conference was organised in New Delhi in 2010. It called for more coordinated India-EU/MS R&amp;I activities, in particular to address global societal challenges, and launched an <a href="#">India Pilot Initiative on water and bio-resources challenges</a>.</p> <p>The <a href="#">Joint Declaration on research and innovation cooperation</a> signed in February 2012 calls for building an <b>Indo-European Research and Innovation Partnership</b> with (i) larger scale, scope and impact, (ii) focus on common societal challenges, and (iii) enhanced synergies between India, the EU and its member states.</p> <p>One of the outcomes of the <b>Ministerial Meeting</b> of May 2012 was the <a href="#">Brussels Communiqué</a>, which called in particular to:</p> <ul style="list-style-type: none"> <li>• Jointly define the scope and develop a <i>Strategic Research &amp; Innovation Agenda</i> on a medium to long term <i>India-EU/Member States Partnership</i> for accelerated sustainable and inclusive growth, and new pathways focusing on societal challenges of common interest, as well as covering the whole innovation chain from research to development and the deployment of innovative and affordable solutions.</li> <li>• Establish a <i>Group of Senior Officials (GSO)</i> composed of officials from India, EU member states and the European Commission with a view to streamlining the governance of Indo-European cooperation in its bid to identify the most effective mechanisms to provide solutions to common societal challenges.</li> </ul> <p>Against this background, the GSO was set up and held its first meeting on 8.10.2013, building on the preparatory work carried out by the 3 thematic working groups established in the fields of health, water and energy. This work was carried on, and resulted in the identification of priorities in the 3 areas.</p>
<p><b>Priorities</b></p>	<p>During its first meeting on 8.10.2013, the GSO agreed to focus the <i>Indo-European Partnership on R&amp;I</i> on the following priority fields: <b>health, water and energy</b> (to which <b>ICT</b> and the <b>bio-economy</b> might be added).</p> <p>Apart from this, Indian entities are welcome to participate in all parts of the EU HORIZON 2020 programme, without any thematic constraints.</p> <p>The following societal challenges have been defined as priorities in HORIZON 2020: (1) Health, demographic change and well-being; (2) European bio-</p>

	<p>economy challenges: food security, sustainable agriculture and forestry, marine and maritime and inland water research; (3) Secure, clean and efficient energy; (4) Smart, green and integrated transport; (5) Climate action, resource efficiency and raw materials; (6) Europe in a changing world - Inclusive, innovative and reflective societies; and (7) Secure societies - Protecting freedom and security of Europe and its citizens. Most of them are believed to be relevant to India.</p> <p>Moreover, a major component of '<i>Leadership in Enabling and Industrial Technologies</i>' are <i>Key Enabling Technologies</i> (KETs), defined as micro- and nano-electronics, photonics, nanotechnology, biotechnology, advanced materials and advanced manufacturing systems.</p> <p>Horizon 2020's Work Programme for 2016-17 can be found <a href="#">here</a>.</p>
<b>Innovation or industry related activities</b>	<p>Innovation is being given increasing emphasis, both in the EU (cf. its "<a href="#">Innovation Union</a>" flagship initiative) and in India (cf. its "<i>Decade of Innovation</i>" initiative as well as its "<a href="#">Science, technology and innovation policy 2013</a>").</p> <p>Innovation is now being mainstreamed in all EU-India research and innovation (formerly "science and technology") related activities. In particular Horizon 2020 is designed to bring business into the research and innovation chain throughout its various components. Information on industrial participation is provided in this <a href="#">factsheet</a>.</p> <p>While the EUROPEAN BUSINESS GROUP in India (<a href="#">EBG</a>) is not a EU-funded organization, it plays an active role regarding European companies established in India, and includes an innovation chapter.</p>
<b>Student &amp; researcher mobility schemes open to Indians</b>	<p>The <b>Marie Skłodowska-Curie actions</b> (in short MSCAs) are fellowships aimed at structuring training, mobility and career development for researchers. They are available to researchers regardless of their nationality or field of research. Information about MSCAs (including the relevant Work Programme for 2016-17) can be found on the <a href="#">related web page</a>.</p> <p>It is also worth making reference to the <b>Erasmus+</b> scholarship programme, offering fellowships to Masters students from the whole world (see <a href="#">here</a>).</p> <p>Broader information can be found in the <i>Compendium of EU and Member States mobility schemes India ↔ Europe</i> (<a href="#">July 2012 version</a>).</p>
<b>Main regular programmes open to Indian (and other) participants</b>	<p>The 7<sup>th</sup> EU Framework Programme ended in 2013. Summaries of all <b>FP7 projects</b> involving European and Indian partners are available <a href="#">on-line</a>, as well as a number of specific <a href="#">success stories</a>.</p> <p>The new Framework Programme for research and innovation, <a href="#">HORIZON 2020</a>, started in 2014. International collaboration is one of its key features, as explained in this <a href="#">factsheet</a>. As in FP7, Indian research organizations (both from the public and private sectors) and researchers have several opportunities to participate in this new programme, whether in collaborative projects (mainly for applied research), in grants of the <a href="#">EUROPEAN RESEARCH COUNCIL</a> (ERC – focusing on fundamental research) or in <a href="#">MARIE SKŁODOWSKA-CURIE</a> actions (supporting the mobility of researchers – see above).</p>
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	<p><a href="#">INNO-INDIGO</a> is an ERA-Net multilateral funding platform launched in 2013, extending the previous <i>NEW INDIGO Partnership Programme</i> which has been operating a multilateral funding programme associating several EU member states as well as Indian authorities (DST, DBT). Information on the calls for proposals launched by NEW INDIGO can be found on <a href="#">their website</a>.</p>

	<p>India is also involved in other JPIs and ERA-Nets (such as <a href="#">Infect-ERA</a>).</p> <p>Moreover, India is a valuable partner for the EU in major international projects such as the <i>European Organization for Nuclear Research</i>, <a href="#">CERN</a> (e.g. it contributed since 1996 to the <i>Large Hadron Collider</i>), or the <i>International Thermonuclear Experimental Reactor</i> (<a href="#">ITER</a>). Furthermore India's <i>National Knowledge Network</i> (NKN) is linked to its pan-European equivalent <a href="#">GEANT</a>, and is part of the <i>Trans-Eurasia Information Network</i> (<a href="#">TEIN</a>), which is supported by the EU. India, the EU and the UK also participate in the <i>Global Alliance for Chronic Diseases</i> (<a href="#">GACD</a>).</p>
<p><b>Further information</b></p>	<p><a href="#">EURAXESS-LINKS INDIA</a> is a EU-funded project (actually the Indian branch of a broader project) that provides information and assistance to European researchers working in or commuting to India.</p> <p>Large awareness-raising and information campaigns were conducted in India by the EU and its Member States in 2011, 2012 and 2014 in connection with FP7 and HORIZON 2020.</p> <p><a href="#">INDIGO-POLICY</a> is a EU-funded project (under the FP7 BILAT scheme) which started in November 2013 and is intended to provide support to policy initiatives regarding EU-India R&amp;I collaboration.</p> <p><a href="#">SI HOUSE</a> is a feasibility study (recently completed) regarding the possible establishment of an <i>EU-India Joint House for Science and Innovation</i>. Its final recommendations are available <a href="#">here</a>.</p> <p>The "<b>EU STI PLATFORM IN INDIA</b>" is an association regrouping most of the EU research organizations active in India.</p> <p>"<a href="#">ERASMUS+</a>" is a scholarship programme supporting the mobility of Masters and PhD students from the whole world.</p>



<p><b>Cooperation framework (e.g. bilateral agreements)</b></p>	<p>Scientific-Technological Agreement on government level, signed 10/2007 Partners: Austrian Federal Ministry of Science and Research (BMWF) and Indian Department of Science and Technology (DST). The agreement covers all areas of research except humanities. The Steering Committee meets appr. every 18 months. 2<sup>nd</sup> call for proposals under the Agreement to be launched end of May 2012.</p> <p>Institutional agreement between the Austrian Science Fund (FWF) and the DST, signed 10/2011; 1<sup>st</sup> call for proposals planned to be published in autumn 2012 (all topics except of Social Sciences and Humanities).</p> <p>Participation of the Austrian Science Fund (FWF) in the current call for proposals in the framework of "New Indigo" (topic: "Biotechnology applied to human health").</p> <p>Memorandum of Understanding concerning the technology-specific cooperation in the field of railways, signed 10/2011. Partners: Austrian Federal Ministry for Transport, Innovation and Technology and Indian Ministry of Railways. The agreement covers technology-specific cooperation in the field of railways. Annual meeting of a Joint Working Group (the first meeting was held in April 2012).</p> <p>Memorandum of Understanding concerning the technology-specific cooperation in the health sector, signed 02/2005. Partners: Austrian Federal Ministry of Economy, Family and Youth and Indian Ministry of Health and Family Welfare. The agreement covers technology-specific cooperation in the health sector.</p>
<p><b>Priorities</b></p>	<p>no</p>
<p><b>Joint research institutes / laboratories</b></p>	<p>no</p>
<p><b>Innovation or industry related activities</b></p>	<p>no</p>
<p><b>Student &amp; researcher mobility schemes open to Indians</b></p>	<p>Comprehensive database of all available scholarships, grants, fellowships, awards for which Indian students and researchers in all fields are eligible, but also Austrian students and researchers wishing to work with Indian institutions (administration by the Austrian exchange Service, OeAD): <a href="http://www.grants.at">www.grants.at</a></p> <p>Lise Meitner Program for non-Austrian scientists finances Research at an Austrian university or research institution (Funded by the Austrian Science Fund): <a href="http://www.fwf.ac.at/en/projects/meitner.html">http://www.fwf.ac.at/en/projects/meitner.html</a></p> <p>IST PhD Programme: The Institute of Science and Technology Austria offers scholarships for pursuit of PhD studies <a href="http://www.ist.ac.at/graduate-school/applications/">http://www.ist.ac.at/graduate-school/applications/</a></p>

	<p>The Vienna Bio Center International offers opportunities to pursue a PhD programme in molecular life sciences: <a href="http://www.vbcphdprogramme.at/">http://www.vbcphdprogramme.at/</a></p> <p>The IMP Fellowship programme gives ambitious young scientists with little or no previous postdoctoral experience the opportunity to conduct innovative and original research in a world-class scientific environment: <a href="http://www.imp.ac.at/postdocs/imp-fellowships/">http://www.imp.ac.at/postdocs/imp-fellowships/</a></p> <p>The Max F. Perutz Laboratories are inviting applications from talented students all over the world for their graduate program: <a href="http://www.projects.mfpl.ac.at/mfpl-phd-selection/">http://www.projects.mfpl.ac.at/mfpl-phd-selection/</a></p> <p>Konrad Lorenz Institute Fellowships: The Konrad Lorenz Institute (KLI) supports theoretical research in the fields of evolutionary developmental biology and evolutionary cognitive science: <a href="http://www.kli.ac.at/fellowships.html">http://www.kli.ac.at/fellowships.html</a></p>
<b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b>	
<b>Main regular R&amp;I programmes open to Indian (and other) participants</b>	<p>Regular joint calls under the Scientific-Technological Agreement (bi-annually), workshops</p> <p>Regular joint calls under the agreement between the Austrian Science Fund (FWF) and the DST (annually)</p>
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	none
<b>Further information</b>	An analytical Indian-Austrian study on scientific co-publications was done in 2011/12; further information may be obtained via the Center for Social Innovation (ZSI, <a href="http://www.zsi.at">www.zsi.at</a> ).



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<p><b>1. <u>Legal framework</u></b></p> <p>There has been a remarkable increase in interest for bilateral S&amp;T cooperation with India, not only as a result of the economic performances of India in general and the accompanying interest for India as a new global player, but also as a result of the booming industry-to-industry cooperation one could observe in these areas between Belgium and India over the past few years.</p> <p>During the visit of the then Belgian Prime Minister, HE Mr Guy Verhofstadt, to India (2-7 November 2006), a broad bilateral Framework Agreement on S&amp;T Cooperation was signed. The Indian and Belgian Prime Ministers noted with satisfaction the intensive industry-to industry cooperation in high-tech sectors such as micro-electronics, aeronautics and civil space and agreed to promote more research and development as well as other high-tech ties on a bilateral basis.</p> <p>The <b>S&amp;T Framework Agreement</b> was signed by the Indian Minister for Science and Technology, HE Dr. Kapil Sibal, and the Belgian Deputy Prime Minister and then Minister of Finance, HE Mr. Didier Reynders. It paved the way for more specific (sectoral) agreements or MoUs, which could be concluded both at the federal level (civil space, nuclear research) or at the regional level (all other fields, such as biotech, nanotechnology, etcetera).</p> <p>Following the framework agreement, a <b>Joint Committee on S&amp;T</b> was held in April 2011 between the Belgian Federal Science Policy Office (Belspo) and the Department Science &amp; Technology (DST). On the sidelines of the Twelfth Economic Joint Commission between the Belgian-Luxembourg Economic Union (BLEU) and India in New Delhi, the second meeting of this Indo-Belgian Joint Committee on Science and Technology Cooperation was held in New Delhi on April 13, 2011. The third meeting was again held in Brussels on May 27, 2013.</p> <p>In order to promote investments in research and development in Belgium, the federal government introduced <a href="#">special tax incentives</a> for research and development, paving the way for economic growth and promotion of R&amp;D in both the public and private sector. Indeed, the Belgian government is convinced that the public and private sector need to complement each other and, hence, considers it important to think in terms of continuity and synergy in research in (public sector) universities and (private sector) companies.</p> <p><b><u>2. General programmes - WalloniaTech</u></b></p> <p><b>AWEX'</b> Wallonia Tech programme has been set up to create high-profit sustainable global companies from pioneering start-ups, using Wallonia as a hub for their international expansion in Europe. The goal of this innovative programme is to identify the brightest entrepreneurial talent in India and connect these entrepreneurs with investors and strategic partners in Belgium and Europe in order to turn their innovations into a global success.</p> <p>AWEX is presently preparing the fourth edition of the "WalloniaTech India" programme. To identify these technology champions of tomorrow, AWEX has lined up 3 strategic partners: <u>the Foundation for Innovation and Technology Transfer (FITT)</u> at IIT Delhi, <u>the Science &amp; Technology Park</u>, University of Pune, and <u>ISBA</u>, the <i>Indian STEPs and Business Incubators' Association</i>. The role of the partners consists of identifying and recommending AWEX the most innovative companies with</p>
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	<p>ground-breaking technologies and global market potential among their communities. The primary selection criteria of the selected companies are: uniqueness of technology, its market viability and its global market potential. This programme targets innovators who have already started generating revenues and who are already backed by VCs.</p> <p>For the first edition of the programme in 2011, a group of 7 such innovative Indian companies with ground-breaking technologies were identified and invited to participate, free of charge, in a special programme in Wallonia. The selected companies were active in the following sectors: aquaculture equipment, medical devices, renewable energy from wind, solar and biomass, temperature regulating apparel, waste and water disposal technology and software applications. The program consisted of an entrepreneurship boot camp, B2B meetings, visits to University R&amp;D centres, science parks, technology business incubators, etc. It culminated in a "Technology Commercialisation conference and Investment forum" where the participants had the opportunity to pitch their business plans to an audience mainly comprising public and private investors and technical partners. Among them, two companies are now in advanced negotiations with technical partners in Wallonia for a major breakthrough on the European market. Two similar programmes have since taken place in 2012 and 2013, the latter with a focus on Cleantech companies.</p>
<p><b>Priorities</b></p>	<p><b><i>1. <u>Micro-electronics and Nanotechnology</u></i></b></p> <p>IMEC, a leading global independent research centre in the field of nanoelectronics and nanotechnology, has expanded its R&amp;D collaboration with Indian semiconductor companies and related institutes. IMEC has set up an Indian subsidiary in Bangalore, India focusing on application R&amp;D for hyperspectral imaging. IMEC has developed a unique hyperspectral imaging technology that can be offered in extreme compact form factors opening up a new application areas for specialised detection of features and material properties in food, healthcare, security and industrial inspection markets. The IMEC India teams closely works with Indian industry partners, hospitals &amp; academia to develop the hyperspectral inspection applications. IMEC India also offers IMEC's ICLink services providing the Indian SME's and academic groups access to advanced commercial IC foundry technologies, mask tape out services and IC supply chain management services.</p> <p><b><i>2. <u>Cleantech/Renewable Energy</u></i></b></p> <p>The Flemish Institute for Technological Research (<a href="#">VITO</a>), which is active in the field of cleantech, has started a close collaboration with The Energy and Resources Institute (TERI) since 2007. Since August 2011, both institutes are involved joint programme, called 'cleantech for transition', promoting sustainable development in rural areas of India via cleantech. A TERI researcher is currently working with VITO in Belgium. In the framework of the Delhi Sustainable Development Summit 2011, VITO and TERI co-organised a special event on waste and wastewater treatment solutions. During DSDS 2015, VITO organised a track on the bio-based economy in India and the EU.</p> <p><b><i>3. <u>Biotechnology</u></i></b></p> <p><a href="#">Janssen Pharmaceuticals</a> concluded a royalty-free licence agreement with the Indian company Emcure regarding the production of the anti-HIV product Darunavir (PREZISTA) in India. Similar agreements exist with other players in India.</p> <p>For years, Janssen has a close cooperation with the Archaeological Survey of India (ASI) regarding the use of specific chemicals for the preservation of architectural sites. In that context, The Raymon Lemaire Institute from KULeuven (Dr Jan</p>

	<p>Bosselaers) and the Indian Heritage Cities Network Foundation, in close collaboration with Janssen/Johnson &amp; Johnson, organised an international training workshop in Amber (close to Jaipur) on 25-31 January 2011.</p> <p><b>4. Aerospace</b></p> <p><b>Cenco International</b>, a division of <b>Techspace Aero S.A.</b>, member of the SAFRAN Group, and <b>ETBRDC</b>, a division of <b>HAL</b> have signed a MoU in 2006 that will set forth the principles of a long-term commercial and technical collaboration on the design, manufacturing and installation of gas turbine engine test equipment in the global market. Both parties will work together on specific projects in India and abroad and work as preferred supplier on specific terms such as mechanical parts, data acquisition systems and other specialized equipments. Techspace Aero is also active in the civil space sector.</p> <p>The Belgian company <b>AMOS (Advanced Mechanical and Optical Systems)</b> is a world leader in producing opto-mechanical systems for this kind of facilities. The company has signed several agreements with the <b>Indian Space Research Organisation (ISRO)</b> and/or ISRO affiliates to supply collimators and other testing equipment for the Indian remote sensing and telecom satellite programs. One of these agreements was signed in Bangalore in March 2006 during the visit of HE Mr. Jean-Claude Marcourt, the Minister of Economic Affairs, Employment and Trade of Wallonia, the southern region of Belgium.</p> <p>AMOS was also the main subcontractor for building the large CATVAC satellite testing chamber in the new ISRO Satellite Application Center (ISAC) at Marathahalli, Bangalore. The new CATVAC chamber was officially inaugurated in February 2007 and is the largest of its kind in Asia.</p> <p>AMOS is also involved in the installation of the 3.6 metre ground telescope at Nainital in the Himalaya region of Uttaranchal, and scientific maintenance for the solar telescope of the Udaipur Solar Observatory.</p> <p>An initial MOU was signed between <b>SIATI</b> (the Aerospace Association of India) and <b>FLAG</b> and <b>SKYWIN</b> (the Belgian Aerospace Industry Representatives) during the Singapore Airshow, on 02 February 2010. Since then, a number of actions have been earmarked and cooperative opportunities identified. The MOU signed during the Princely Mission in March 2010 builds upon the previous MOU, and leads to concrete actions and cooperative programs between Belgium and India, and their respective aerospace industries.</p>
<p><b>Joint research institutes / laboratories</b></p>	
<p><b>Innovation or industry related activities</b></p>	
<p><b>Student &amp; researcher mobility schemes open to Indians</b></p>	<p>Several scholarships are available for studying in Belgium.</p> <p><b>1. Federal government traineeships and scholarships</b></p> <p>Federal (central) government traineeships and scholarships are available from the Directorate-General of Development (DGD) and other federal institutions. You can find out more <a href="#">here</a>.</p>

## **2. Scholarship programmes of the Cultural Communities**

In Belgium, a country where there are three official national languages, the Communities are federated authorities which are responsible for taking decisions on services for individuals, such as education. The three Communities offer their own scholarship programmes in their respective regions.

### **2.1. The Flemish Community**

In Flanders (Dutch-speaking part of Belgium) there are 5 universities, 15 university colleges and 5 specialized institutions. They offer a broad range of [study programmes](#). The Flemish Community offers different scholarship systems for cooperation with India:

- The Flemish Community offers scholarships through [VLIR-UOS](#), the Flemish Inter-University Organisation
- Besides VLIR-UOS, universities in Flanders may have their own scholarship programs. Find [here](#) links to all higher education institutes and [here](#) links to all universities in Flanders.
- Furthermore, under a special agreement with the Government of India, every year the Flemish Community offers 3 grants for post-graduate studies or post-doctoral research for a period of 10 months (one academic year). For more information on this scholarship programme, please refer to the Ministry of Human Resource Development, [Department of Higher Education](#).
- Scholarships for student exchange through the [ASEM-DUO](#) programme. For more information, please visit <http://www.studyinlanders.be/en/scholarship-programmes/asem-duo/>
- Scholarships through the [Master Mind Scholarship Programme](#), for students applying for a full master programme in Flanders.
- Important websites with information on higher education in Flanders: [Education in Flanders](#) ; [Study in Flanders](#) ; [Useful publications](#) ; [Recognition of foreign diplomas](#)

### **2.2. The French-speaking Community**

The higher education network of the French-speaking Community is comprised, on the one hand, of universities and, on the other hand, institutions of higher education. 20% of university students are foreigners (40% at doctorate level). The universities and institutions of higher education have signed hundreds of cooperation agreements with foreign educational institutions.

- The French-speaking Community of Belgium offers study grants through the University Commission for Development ([CUD](#)).
- Moreover, the French-speaking Community has also set up a new grant programme called the [Wallonia-Brussels International Excellent Grants](#).
- Besides these governmental programmes, higher education institutions in the French-speaking Community may have their own scholarship programmes. Find [here](#) the list of all the higher education institutions in the French-speaking Community, including all universities.
- Other useful websites:  
[Study in the Heart of Europe](#) ; [Etudier en Belgique](#)  
Recognition of foreign diplomas: [secondary studies](#)  
Recognition of foreign diplomas: [higher studies](#)

	<p><b>2.3. The German-speaking Community</b></p> <p>The German-speaking Community of Belgium grants scholarships to non-EU students only if applicants have been living in Belgium with their family for at least five years, on the date of the application deadline.</p> <p>You can find an overview of the education system in the German-speaking Community on the following <a href="#">website</a> (in German).</p>
<p><b>Main bilateral R&amp;I initiatives or programmes targeting Indian participants</b></p>	
<p><b>Main regular R&amp;I programmes open to Indian (and other) participants</b></p>	<p><u>Belgian Federal Science Policy (BELSPO)</u></p> <p>Within the framework of the agreement between Belgium and India on cooperation in the field of research and development, the second 'Joint Commission' meeting, held in Delhi on April 13th, 2011, between <b>BELSPO</b> and <b>DST</b> decided to organize <b>joint calls for proposals for networking activities</b>. On August 20, 2012 BELSPO launched the <b>first call</b>. That call was limited to current projects funded within the SSD research programme, the IUAP's and activities of the Federal Scientific Institutions (FSI). The call concerned different scientific domains and got the participation of 14 research teams; 5 proposals in the exact sciences domain were selected for funding.</p> <p>More information on the projects and call for proposals can be found here: <a href="http://www.belspo.be/belspo/fedra/prog.asp?l=en&amp;COD=BL">http://www.belspo.be/belspo/fedra/prog.asp?l=en&amp;COD=BL</a></p> <p>Within the framework of the Agreement between Belgium and India on cooperation in the fields of science and technology, the third 'Joint Commission' meeting, held in Brussels on May 27th, 2013, decided to organize a <b>second call for proposals for networking activities</b>, issued by the Belgian Federal Science Policy Office (BELSPO) and the Indian Department of Science and Technology (DST).</p> <p>For this call the selected areas agreed by both sides are the following:</p> <ul style="list-style-type: none"> <li>- <b>Earth Geo-Sciences</b> (including Climate, Environment, Mineral Resources, Water, Meteorology, Geodynamics, Polar Research and Marine Modelling)</li> <li>- <b>Exact Sciences</b> (including Chemistry, Materials, Astrophysics, Cryptography),</li> <li>- <b>Life Sciences</b> (including Medical, Ecosystems Biodiversity, Plant Molecular Biology)</li> </ul> <p>Furthermore, interdisciplinary networks combining several of the above-mentioned areas will be particularly welcomed.</p> <p>The 2<sup>nd</sup> call for proposals was launched on 16 December 2013, with a projects period 2014-2017.</p> <p>More information on the projects and call for proposals can be found here: <a href="http://www.dst.gov.in/whats_new/whats_new13/cop_belcall2014.pdf">http://www.dst.gov.in/whats_new/whats_new13/cop_belcall2014.pdf</a></p>
<p><b>Further information</b></p>	<p><a href="http://www.belspo.be/belspo/coordination/doc/scienPol/Bevoegd_en.pdf">http://www.belspo.be/belspo/coordination/doc/scienPol/Bevoegd_en.pdf</a></p>



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<p>Agreement between Czechoslovakia and India on Scientific, Technical and Industrial Cooperation, signed in Prague in 1973.</p> <p>Programme of Scientific and Technological Cooperation between the Ministry of Education, Youth and Sports of the Czech Republic and the Department of Science and Technology, Ministry of Science and Technology of the Republic of India, signed in Prague on 20 April 2012.</p> <p>Agreement between the Government of the Czech Republic and the Government of the Republic of India on Co-operation in the Area of Culture, Education and Science, signed in Prague in 1996.</p>
<p><b>Priorities</b></p>	<p>Areas of cooperation are defined in Art. 2 of the „Programme“:</p> <ul style="list-style-type: none"> <li>a) ICT</li> <li>b) Natural science including biotechnology;</li> <li>c) Engineering and material sciences;</li> <li>d) Health and medical sciences (including pharmaceutical sciences) and food safety;</li> <li>e) Research on climate change, environment and energy;</li> <li>f) Other areas that may be agreed mutually.</li> </ul>
<p><b>Joint research institutes / laboratories</b></p>	<p>There are no Czech-Indian joint research institutes or laboratories.</p>
<p><b>Innovation or industry related activities</b></p>	<p>There are no Czech-Indian innovation related activities</p>
<p><b>Student &amp; researcher mobility schemes open to Indians</b></p>	<p>Czech Ministry of Education, Youth and Sport Scholarships for Study/Research Stays in the Czech Republic – 10-month scholarships for university students or graduates and Ph.D. candidates (exceptionally also for university researchers/teachers) who wish to accomplish a study/research visit to a Czech public university (3 scholarships per year).</p>
<p><b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b></p>	<p>Currently, there are no calls for joint projects.</p>
<p><b>Main regular R&amp;I programmes open to Indian (and other) participants</b></p>	<p>The Ministry of Education, Youth and Sports of the Czech Republic and the Department of Science and Technology, Ministry of Science and Technology of the Republic of India announce the call for Czech-Indian joint research project proposals every 2 years. Joint projects developed in the fields of fundamental and applied research with the implementation period of 2 to 3 years are being supported. The eligible applicants in the Czech Republic are public universities, public research institutes, other entities that can be classified as research organizations, and small and medium sized enterprises.</p>
<p><b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b></p>	<p>Currently, there are no such approaches.</p>

<p><b>Further information</b></p>	<p>Details on Czech-India R&amp;D Cooperation (only in Czech):  <a href="http://www.msmt.cz/vyzkum-a-vyvoj/indie">http://www.msmt.cz/vyzkum-a-vyvoj/indie</a></p> <p>Contact persons:  <b>Tereza Cizkova</b>  Ministry of Education, Youth and Sports  Karmelitská 7 - 118 12 Prague 1 - Czech Republic  Tel.: +420 234 811 360  E-mail: <a href="mailto:tereza.cizkova@msmt.cz">tereza.cizkova@msmt.cz</a>  Web: <a href="http://www.msmt.cz/">http://www.msmt.cz/</a></p> <p>Czech Ministry of Education, Youth and Sport Scholarships:  <a href="http://www.msmt.cz/eu-and-international-affairs/scholarships-for-the-academic-year-2014-2015">http://www.msmt.cz/eu-and-international-affairs/scholarships-for-the-academic-year-2014-2015</a></p> <p>Contact person:  <b>Helena Cermakova</b>  Ministry of Education, Youth and Sport  Department for International Relations  Karmelitská 7 - 118 12 Prague 1 - Czech Republic  Tel.: +420 234 811 361  e-mail: <a href="mailto:helena.cermakova@msmt.cz">helena.cermakova@msmt.cz</a></p>
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## DENMARK [Feb. 2015]



<b>Cooperation framework with India (e.g. bilateral agreements)</b>	Collaboration between The <a href="#">Innovation Fund Denmark</a> (an independent public fund) and the Department of Biotechnology (DBT) in India.
<b>Priorities</b>	Bilateral call on health biotechnology.
<b>Joint research institutes / laboratories</b>	
<b>Innovation or industry related activities</b>	The <a href="#">Innovation Centre Denmark</a> in New Delhi provides assistance to long-term research and business opportunities in India and Denmark.
<b>Student &amp; researcher mobility schemes open to Indians</b>	<ul style="list-style-type: none"> <li>• The "Study in Denmark"-website gives information about all higher education study programmes, scholarships and facts about living and studying in Denmark (<a href="http://www.studyindenmark.dk">www.studyindenmark.dk</a>).</li> <li>• <a href="#">Danish Innovation Scholarships</a> are offered by the Innovation Fund Denmark.</li> <li>• A Post Doctoral Mobility Programme (<i>DFF-MOBILEX</i>) is offered by the Danish Council for Independent Research (see <a href="#">DFF Call for Proposals</a>).</li> <li>• Novozymes Pvt. Ltd. and The Henning Holck-Larsen Foundation have initiated a programme for exchange of Danish and Indian researchers within the field of biotechnology. The programme is offered by <a href="#">Aarhus University</a>, <a href="#">University of Copenhagen</a> and <a href="#">Technical University of Denmark</a>.</li> </ul>
<b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b>	Bilateral call on health biotechnology (see above).
<b>Main regular R&amp;I programmes open to Indian (and other) participants</b>	An overview of R&I programmes is available at the website of the <a href="#">Ministry of Higher Education and Science</a> . <a href="#">The International Network Programme</a> is an opportunity for Indian and Danish researchers to explore mutual interests and the scope for further collaboration.
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	
<b>Further information</b>	Further information on programmes, calls for application and new activities can be found at the website of the <a href="#">Ministry of Higher Education and Science</a> .



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<p><b>The Agreement</b> between the Government of the Republic of Estonia and the Government of the Republic of India <b>on Cooperation in the field of Science and Technology</b> was signed in 1999 and covers all the fields of science and technology.</p> <p>The implementation of this Agreement is entrusted to the Ministry of Culture and the Ministry of Education, from the Estonian side and the Department of Science and Technology from the Indian side.</p> <p>The objectives of this Agreement shall be realised through the implementation of cooperation programs as agreed periodically specifying the themes and forms of cooperation including financial terms and conditions.</p>
<p><b>Priorities</b></p>	<p>no</p>
<p><b>Joint research institutes / laboratories</b></p>	<p>no</p>
<p><b>Innovation or industry related activities</b></p>	<p>no</p>
<p><b>Student &amp; researcher mobility schemes open to Indians</b></p>	<p><b>ERMOS Programme of Estonian Research Council</b>          Postdoctoral researchers can apply for a grant to carry out research in Estonia in all science fields. Applicants can be from any nationality, if he/she has not resided or worked (incl. studied) in Estonia longer than 12 months during the three years preceding the date of submission of the application. The grant contains remuneration for the postdoctoral researcher, research expenses, a one-time relocation allowance, and overhead costs. Duration of a grant 2 or 3 years, calls for applications once a year.          Web page: <a href="http://www.etf.ee">www.etf.ee</a> ; <a href="http://etf.ee/index.php?page=343&amp;">http://etf.ee/index.php?page=343&amp;</a></p> <p><b>Mobilitas Programme of Estonian Research Council</b>          The objective of the programme Mobilitas is to activate international exchange of scientists and knowledge. Postdoctoral researchers can apply for a grant to carry out research in Estonia or abroad. Incoming researchers can come from all fields of science. In case of outgoing researchers - the first priority areas of the Estonian Research and Development and Innovation Strategy 2007–2013 "Knowledge-based Estonia": information and communication technology, material technology, biotechnology, energy, environmental technology, health. The grant contains remuneration for the postdoctoral researcher, research expenses, a one-time relocation allowance, and overhead costs. Duration of a grant 2 or 3 years, calls for applications twice a year.          Web page: <a href="https://www.etis.ee">https://www.etis.ee</a> ; <a href="http://etf.ee/index.php?page=256&amp;">http://etf.ee/index.php?page=256&amp;</a></p> <p><b>EMBO Installation Grants</b>          European Molecular Biology Organization (EMBO) Installation Grant offers benefits not only to talented scientists but also to the countries where they establish laboratories. The aim is to support the development of the local research culture and infrastructure in Molecular Biology. Grant scheme is open to any nationality. Installation Grants help scientists to relocate and set up research laboratories in Estonia. Successful applicants receive an annual support of 50,000 euro and benefits similar to those of the EMBO Young</p>

	<p>Investigator Programme. Duration of grant is three to five years, application deadline is 15 April of each year.  Web page: <a href="http://www.embo.org/programmes/installation-grants.html">http://www.embo.org/programmes/installation-grants.html</a></p> <p><b>DoRa allowance for International Master Students</b>  A monthly allowance of 287 euros (for 10 months during one academic year) is awarded to foreign students studying on the Master's programmes taught in English at the Estonian universities. The student applies through the host institution. The host institution sets deadlines and selection criteria to get the allowance. The scheme is financed by the European Social Fund.  Web page: <a href="http://www.studyinestonia.ee/scholarships">http://www.studyinestonia.ee/scholarships</a></p> <p><b>DoRa Scholarships for International Visiting PhD Students</b>  The scholarships cover research and study visits of 1-10 months by international PhD students to Estonian universities under recognised PhD study programmes regardless of the subject area.  <u>To be eligible the candidate must:</u></p> <ul style="list-style-type: none"> <li>• reside in a country other than Estonia;</li> <li>• be enrolled in a doctoral programme at an educational institution recognised by that country's authorities;</li> <li>• not be enrolled as a student in a higher education institution in Estonia when the application is submitted;</li> <li>• undertake to resume their studies in their home country at the end of the grant period.</li> </ul> <p>The selection from among the candidates will be made by the host university.</p> <p><u>Each eligible student will receive:</u></p> <ul style="list-style-type: none"> <li>- a monthly grant of € 383 for the duration of the student's stay at the university;</li> <li>- a fixed travel grant for one return trip from the student's place of residence to Estonia;</li> <li>- an additional grant to cover the cost of health insurance for the period spent in Estonia, and the stamp duty on the residence permit;</li> <li>- a mobility allowance of € 255 per month for each month spent in Estonia that covers only the following costs, which must be fully documented: <ul style="list-style-type: none"> <li>– additional fixed travel grant to cover additional trips home during the academic year;</li> <li>– rent, covering temporary accommodation in hostels and hotels, and rent;</li> <li>– relocation expenses, such as excess baggage charges or international cargo charges.</li> </ul> </li> </ul> <p>Web page: <a href="http://www.studyinestonia.ee/scholarships">http://www.studyinestonia.ee/scholarships</a></p>
<p><b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b></p>	
<p><b>Main regular R&amp;I programmes open to Indian (and other) participants</b></p>	

<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	Estonia participates in the India Working Group of the Strategic Forum for International Collaboration (SFIC).
<b>Further information</b>	<p>Information about Research positions &amp; fellowships in Estonia; advice &amp; support on mobility to the country is available on Websites:  <a href="http://www.smartestonia.ee/euraxess/">http://www.smartestonia.ee/euraxess/</a> , <a href="http://euraxess.ee">http://euraxess.ee</a>;          and about research in Estonia:  <a href="https://www.etis.ee/index.aspx?lang=en">https://www.etis.ee/index.aspx?lang=en</a>          Information about study opportunities in Estonia (programmes in English, admissions, educational system in Estonia, etc.), advice and support for international students coming to stay and study in Estonia:  <a href="http://www.studyinestonia.ee">http://www.studyinestonia.ee</a>  <a href="http://www.facebook.com/studyinestonia">www. Facebook.com/studyinestonia</a>  <a href="http://www.twitter.com/studyinestonia">www. Twitter.com/studyinestonia</a>  <a href="http://www.youtube.com/studyinestonia">www.youtube.com/studyinestonia</a></p>



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<p>The Agreement between the Government of the Republic of Finland and the Government of the Republic of India on Cooperation in the field of Science and Technology was signed in 2008 and covers all the fields of science and technology.</p> <p>The coordinating parties are the Ministry of Employment and the Economy of Finland and the Ministry of Science and Technology of India. A Steering Committee meeting is organised every two to three years alternately in Finland and India.</p> <p>The Finnish Funding Agency for Technology and Innovation (Tekes) has a Memorandum of Understanding with the Department of Biotechnology (DBT) and the Department of Science and Technology (DST) of the Ministry of Science and Technology of India (2009).</p> <p>The Academy of Finland has Memorandum of Understanding with DBT (biotechnology) and DST (various fields within natural sciences and engineering) (2005). An Agreement with the Indian Council of Medical Research under the Ministry of Health and Family Welfare will be signed soon.</p> <p>VTT Technical Research Centre of Finland and the Council of Scientific and Industrial Research (CSIR) in India are partners in the Global Research Alliance. VTT has signed a Memorandum of Understanding with the Confederation of Indian Industry (CII).</p>
<p><b>Priorities</b></p>	<p>India is one of the strategic partner countries for Finland in international science, technology and innovation cooperation.</p> <p>Tekes: The objective is to support long-term innovation cooperation as well as creation and strengthening of cooperation networks between Finland and India, and to facilitate creation of high-level innovations that are beneficial for both Finnish and Indian economy and society.</p> <p>The Academy of Finland: The objective in the Indo-Finnish project cooperation is to support long-term systematic research collaboration, researcher mobility and creation and strengthening of research collaboration networks between Finland and India. The themes of calls for joint projects vary in each call and the theme must be approved by both parties. Themes to be selected for joint project calls shall be researcher-driven, topical and benefit both countries.</p>
<p><b>Joint research institutes / laboratories</b></p>	<p>No joint research laboratories.</p>
<p><b>Innovation or industry related activities</b></p>	<p>Finnish Innovation Network FinNode India started its operations in February 2011.</p> <p>Bilateral Science and Technology and Innovation Working Groups and different proactive functions and joint actions (networking events, seminars, workshops, excursions).</p>
<p><b>Student &amp; researcher mobility schemes open to Indians</b></p>	<p>In Finland, the Centre for International Mobility (CIMO) under the Ministry of Education and Culture plays a major role in promoting international cooperation and mobility with specific emphasis on education, training, working life, culture</p>

	<p>and young people.</p> <p>FiDiPro (the Finland Distinguished Professor Programme), research funding, bilateral and multilateral research cooperation.</p> <p>More information:  <a href="http://www.studyinfinland.fi/">http://www.studyinfinland.fi/</a>  <a href="http://www.aka.fi/en-gb/Mobility/www.research.fi">http://www.aka.fi/en-gb/Mobility/ www.research.fi</a></p>
<b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b>	
<b>Main regular R&amp;I programmes open to Indian (and other) participants</b>	<p>Several joint calls have been carried out annually between Tekes and the Academy of Finland from Finland and DBT and DST of India. Calls have been jointly decided upon and topics accepted by both parties.</p> <p>Tekes and DBT have carried out joint funding calls in health and well-being (affordable diagnostics). Tekes finances Finnish firms and organizations, and DBT Indian ones. The aim is to combine complementary competences to create innovation.</p> <p>Several joint calls have been carried out between the Academy of Finland and Indian DBT and DST. Joint project calls are arranged annually or bi-annually, either in April or September. The theme varies in each call, being usually one part of the thematic research programme. The Academy of Finland funds Indo-Finnish joint projects with two Indian research funding organizations (DBT, DST) under the Indian Ministry of Science and Technology. Funding from the Academy of Finland covers the costs of Finnish researchers, while Indian researchers receive their research funding from DBT or DST.</p> <p>Cooperation with DBT covers fields within biotechnology. Joint project calls are usually arranged annually, either in April or September, and the theme varies in each call.</p> <p>Cooperation with DST covers natural sciences and engineering. The joint calls are arranged annually, either in April or September, and the theme varies in each call.</p> <p>More information:  <a href="http://www.aka.fi">www.aka.fi</a>  <a href="http://www.tekes.fi">www.tekes.fi</a></p>
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	<p>Finland participates in the India Working Group of the Strategic Forum for International Collaboration (SFIC).</p> <p>The Academy of Finland has participated in the New INDIGO ERA-NET (water research call in 2011).</p>
<b>Further information</b>	<p><b>Mr. Riku Mäkelä, FinNode India</b>  <a href="http://www.finnode.fi">www.finnode.fi</a></p>



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<ul style="list-style-type: none"> <li>▪ <b>1966</b> Bilateral cultural, scientific and technical cooperation agreement between Ministry of External Affairs, India and Ministry of External Relations, France</li> <li>• <b>1975</b> Bilateral scientific and technological cooperation agreement was signed between CSIR (Council of Scientific &amp; Industrial Research, India) and CNRS (Centre national de la Recherche Scientifique, France). The steering committee meets every four years, last renewal of agreement was in January 2012.</li> <li>• <b>1978 (related to 1966)</b> Bilateral scientific and technological cooperation agreement, between Ministry of External Affairs / Department of Science and Technology, India and Ministry of External Relations, France.</li> <li>• <b>1978</b> Bilateral cooperation agreement in Agriculture Science: between ICAR (Indian Council of Agricultural Research- India) and INRA (National Institute for Agricultural Research - France). The steering committee meets every four years.</li> <li>• <b>1987</b> Creation of the <i>Indo-French Centre for the Promotion of Advanced Research</i> (IFCPAR/CEFIPRA) between the Department of Science and Technology, India and Ministry of External Relations, France (Governing body meets every year).</li> <li>• <b>1989</b> Bilateral cooperation agreement in medical sciences between ICMR (Indian Council of Medical Research - India) and INSERM (Institut National de la Santé et de la Recherche Médicale – France) (Governing body meets every year).</li> <li>• <b>1998</b> Bilateral cooperation agreement in the field of biotechnology was signed between DBT (Department of Biotechnology, India) and CNRS (Centre national de la Recherche Scientifique, France). Steering committee meets every four years, last renewal in 2012.</li> <li>• <b>2010 (Reference to 1977 and 1993)</b> Bilateral space cooperation agreement between Indian <i>Space Research Organisation</i> (ISRO) and the French <i>National Space Agency</i> (CNES) to pursue further cooperation in Earth System Science and Climate within the framework of the MoU signed in December 2010 and to explore new fields of cooperation in the future.</li> <li>• <b>2012 ANR-DST AGREEMENT:</b> On 7<sup>th</sup> March 2012, <i>Department of Science and Technology</i> (DST) India and the <i>French Research Agency</i> (ANR) signed a Memorandum of Understanding to fund Indo-French research projects. The implementation of this MoU consists in identifying every year specific topics to be funded jointly for at least the next three years. DST and ANR are committed to co-finance projects that will be selected after a peer-review process. In India, the CEFIPRA (<i>Indo-French Centre for the Promotion of Advanced Research</i>) will receive the submitted proposals, the selection and funding on behalf of the DST. In France, the submitted proposals will follow the ANR regular procedures.</li> <li>• <b>2014</b> Ending of the bilateral cooperation agreement in medical sciences between ICMR (Indian Council of Medical Research - India) and INSERM (Institut National de la Santé et de la Recherche Médicale – France)</li> <li>• <b>2016 Establishment of the inter-ministerial Indo-French Joint Committee in S&amp;T</b> by an arrangement signed between the Indian Ministry of Science and Technology and the French Ministry of Foreign Affairs and International Development</li> </ul>
<p><b>Priorities</b></p>	<p>The French National Strategy for Research and Innovation (SNRI) has identified India as one of the countries with which France must strengthen its scientific and technological collaborations. SNRI identified several fields where the cooperation between the 2 countries should be strengthened.</p>

	<p>The two ministers met in January 2012, and identified five broad fields as priorities:</p> <ul style="list-style-type: none"> <li>- Water</li> <li>- Life Sciences and Biotechnologies</li> <li>- Nanotechnologies and materials</li> <li>- ICT</li> <li>- Innovation</li> </ul> <p>Thanks to the newly established Indo-French Joint Committee in S&amp;T, priorities of cooperation will be assessed and refined every two years between the two countries.</p>
<p><b>Joint research institutes /laboratories</b></p>	<p><b>Institutes:</b></p> <p>India hosts two French Research Institutes, which are among the 27 worldwide research centres co-funded by the French Ministry of Foreign Affairs and International Development and the CNRS:</p> <ul style="list-style-type: none"> <li>• The Institut Français de Pondichéry (IFP), created in 1955 based in Pondicherry, focuses on several disciplines such as Indology (especially sanskritic studies), ecology and social aspects of rural development.</li> <li>• The Centre de Sciences Humaines (CSH), created in 1990, based in Delhi, which focuses on socio-political, socio-economic and urban and industrial development studies in India and South Asia.</li> </ul> <p><b>14 active International Associated Labs (IAL), including 3 physical labs implemented in India (1 BRGM ; 1IRD ; 1 CNRS) :</b></p> <p><i>Name: <b>CEFIRES</b> (Indo-French Cell for Groundwater Research)</i>  <i>Type: Joint Lab – Physical Lab ; Created in : 2000</i>  <i>Field: Water</i>  <i>French Partner: BRGM: Bureau de Recherche Géologiques et Minières</i>  <i>Indian Partner: NGRI: National Geophysical Research Institute, Hyderabad</i></p> <p><i>Name: <b>CEFIRSE</b> (Indo French Cell for Water Sciences)</i>  <i>Type: LMI / IRD - Physical center in IISc ; Created in: 2001</i>  <i>Field: Water</i>  <i>French Partner: IRD</i>  <i>Indian Partners: IISc (Bangalore), NIO (Goa), IITM (Pune)</i></p> <p><i>Name: <b>IFCAM</b> (Indo French Center for Applied Mathematics)</i>  <i>Type: UMI / CNRS – Physical center in IISc ; Created in: 2012</i>  <i>Field: Applied Mathematics</i>  <i>French Partner: CNRS – Indian Partner: IISc, Bangalore.</i></p> <p><b>International Associated Labs (7 CNRS ; 3 INSERM; 1 INRIA)</b></p> <p><i>Name: <b>LaFICS- IFLaSC</b> Indian-French Laboratory of Solid State Chemistry</i>  <i>Type: LIA / CNRS – Virtual lab ; Created in : 2003</i>  <i>Field: Chemistry</i>  <i>French Partner: Institut de chimie de la matière condensée de Bordeaux (IMCB)- Pessac – Indian Partner: IISc: Indian Institute of Science – Bangalore</i></p> <p><i>Name: <b>Sanskrit</b></i>  <i>Type: Joint team ; Created in: 2007</i>  <i>Field: Computational linguistic</i>  <i>French Partner: INRIA – Indian Partner: University of Hyderabad</i></p> <p><i>Name: <b>JLSCI</b>: Joint Laboratory for sustainable Chemistry at interfaces</i>  <i>Type: LIA / CNRS – Virtual lab ; Created in : 2008</i></p>

	<p><i>Field:</i> Chemistry  <i>French Partner:</i> Laboratoire de Chimie et de photonique moléculaires UMR6510, Université de Rennes  <i>Indian Partner:</i> ICT(CSIR): Indian Institute of Chemical Technology - Hyderabad</p> <p><i>Name :</i> <b>PROTECT : The Indo French laboratory in neurosciences</b>  <i>Type:</i> LIA / INSERM – Virtual lab ; <i>Created in :</i> 2008  <i>Field :</i> Life Sciences  <i>Indian Partner :</i> IISc: Indian Institute of Science - Bangalore  <i>French partner:</i> INSERM (UMR 676 de l'hôpital Robert Debré)</p> <p><i>Name:</i> <b>CATSEC:</b> Indo-French laboratory "CATalysis for Sustainable and Environmental Chemistry"  <i>Type:</i> LIA / CNRS – Virtual lab ; <i>Created in :</i> 2009  <i>Field:</i> Chemistry  <i>French Partner:</i> Unité de Catalyse et de Chimie du Solide UMR8181 - Villeneuve d'Ascq –  <i>Indian Partner:</i> NCL(CSIR): National Chemical Laboratory - Pune</p> <p><i>Name:</i> <b>FI-NS</b> French -Indian Associated Laboratory for Nuclear Sciences  <i>Type:</i> LIA / CNRS – Virtual lab ; <i>Created in :</i> 2010  <i>Field:</i> Nuclear Sciences  <i>French Partner:</i> UMR 6415 Grand accélérateur d'ions lourds (GANIL)- Cean – <i>Indian Partner:</i> BARC : Bhabha Atomic Research Center - Bombay</p> <p><i>Name:</i> <b>IMPACT:</b> Immunopathology and therapeutic immunointervention in immunohematological diseases  <i>Type:</i> LIA / INSERM – Virtual lab ; <i>Created in :</i> 2011  <i>Field:</i> Life Sciences  <i>French Partner:</i> U872 INSERM – <i>Indian Partner:</i> NIIH: National Institute of Immunohaematology, Mumbai</p> <p><i>Name:</i> <b>INFORMEL:</b> Indo-French Formal Methods Lab  <i>Type:</i> LIA / CNRS – Virtual lab ; <i>Created in :</i> 2012  <i>Field:</i> Informatics  <i>French Partner:</i> ENS Cachan – <i>Indian Partner:</i> CMI : Chennai Mathematical Institute- Chennai</p> <p><i>Name:</i> <b>SIGID :</b> Systems Immunology and Genetics of Infectious Diseases  <i>Type:</i> LIA / CNRS – Virtual lab ; <i>Created in:</i> 2013  <i>Field:</i> Immunology  <i>French Partner:</i> CNRS – <i>Indian Partner:</i> DBT</p> <p><i>Name:</i> <b>LIVER:</b> Transcriptomics and Metabolomics for Liver Diseases  <i>Type:</i> LIA / INSERM – Virtual lab ; <i>Created in:</i> 2013  <i>Field:</i> Biological sciences  <i>French Partner:</i> INSERM – <i>Indian Partner:</i> Institute of Liver and Biliary Science (ILBS)</p> <p><i>Name :</i> <b>SysTiM : The Indo French laboratory in Systems Biology</b>  <i>Type:</i> LIA / CNRS – Virtual lab ; <i>Created in :</i> 2015  <i>Field :</i> System Biology and Tissue Mechanics  <i>Indian Partner:</i> National Centre for Biological Sciences, TIFR –  <i>French Partner:</i> CNRS, University of Aix Marseille</p>
	<p><b>CEFIPRA</b> (<a href="http://WWW.CEFIPRA.ORG">WWW.CEFIPRA.ORG</a>)  The CEFIPRA (<i>Indo-French center for the promotion of advanced Research</i>) established in</p>

	<p>1987 receives financial support from the <i>Department of Science &amp; Technology</i>, Government of India and the <i>Ministry of Foreign Affairs and International Development</i>, Government of France. CEFIPRA funds collaborative research and technological development between India and France in cutting edge science and technology domains of mutual interest. Scientific academic projects and industry-oriented research projects (public-private partnerships) can be supported. Submission of proposals occurred twice a year, respectively before April and October 1<sup>st</sup> and February and July 1<sup>st</sup>. The CEFIPRA also supports bilateral scientific seminars in India and in France.</p> <p>It also supports mobility of PhD students and young researchers, and help to build and to implement S&amp;T partnerships between French and Indian institutions and other stakeholders, including at the French regional level and Indian state level.</p>
<p><b>Innovation or industry related activities</b></p>	<p><b>BIRAC / CEFIPRA / FRENCH EMBASSY PROGRAMME</b></p> <p>The Biotechnology Industry Research Assistance Council (BIRAC), a non-profit public Sector company of the Department of Biotechnology, Government of India, and the Science and Technology Department of the French Embassy in India, Ministry of Foreign Affairs, Government of France launched in 2014 an Indo-French Challenge oriented programme in the area of Red biotechnology, based on a close partnerships between academia and industrial partners of both the nations up to pre-commercialization stage.</p> <p>A second call has been launched on October 15 2015 (still open), addressing the following topics: Molecular diagnostic for prediction of Alzheimer's and other dementia; New assisting technologies for mobility of physically challenged (incl. prosthesis and robotics applications); Biomaterials and cell engineering for health applications. More information available at:  <a href="http://www.cefipra.org/pdf/Advt_Publication%20BIRAC-SST.pdf">http://www.cefipra.org/pdf/Advt_Publication%20BIRAC-SST.pdf</a></p> <p><b>BIRAC, BPIFRANCE FINANCEMENT (PUBLIC INVESTMENT BANK) AND CEFIPRA</b>  2<sup>nd</sup> Joint call for Expression of Interest (JEOI) for Indian &amp; French SMEs and startups in the areas of digital healthcare and individualized medicine - 18th February 2016.  The specific following topics are concerned: Digital healthcare (e-health, Tele-monitoring, Tele-care connected health, health IT, Big data, e-patients, internet of M-health things "m-IoT", 4Ghealth) and Individualized medicine (Development of therapeutic solutions for individual patients, repaired human, pharmacogenetics). More information available at  <a href="http://www.cefipra.org/pdf/Industrial_application_oriented_health_technologies.pdf">http://www.cefipra.org/pdf/Industrial_application_oriented_health_technologies.pdf</a></p>
<p><b>Student &amp; researcher mobility schemes open to Indians</b></p>	<p><b>RAMAN-CHARPAK PHD FELLOWSHIP</b></p> <p>This "sandwich" fellowship program started in 2013, offers highly qualified Indian/ French PhD students an opportunity to establish relationships with French/Indian research labs. Every year, 15 to 20 Indian students are selected to do part of their research in a French lab, for duration between 2 to 6 months. The same logic applies to French students. The 3rd call published in April 2015 has awarded 15 Indian laureates and 7 French laureates who have started their stay in one or the other country. Information of the Raman-Charpak PhD fellowship programme are available at  <a href="http://cefipra.org/raman-charpak/Raman-Charpak_Fellowship_2014-Instructions.pdf">http://cefipra.org/raman-charpak/Raman-Charpak_Fellowship_2014-Instructions.pdf</a></p> <p><b>CIFRE SCHOLARSHIP</b></p> <p>A CIFRE scholarship is a 3 year full time work contract with a French company with a good salary - minimum gross annual salary of € 23,484 (average of € 28,000 in 2012) - to lead the PhD research for the company and a French public laboratory. This provides valuable industrial and academic experience in an international set up and leads to the achievement of the latter's Ph.D. thesis. The CIFRE scheme is open to all nationalities.  <a href="http://www.anrt.asso.fr/fr/espace_cifre/candidatetranger.jsp?p=52&amp;p2=51#.VrF2JBHzKSA">http://www.anrt.asso.fr/fr/espace_cifre/candidatetranger.jsp?p=52&amp;p2=51#.VrF2JBHzKSA</a></p>

### **INDUSTRY (THALES)-SPONSORED PHD FELLOWSHIPS**

Thales and CNRS have agreed to sponsor four PhD fellowships thanks to the agreements respectively signed in October 2015 and January 2016 with the Indian Institute of Sciences (IISc) in Bangalore, and the Indian Institute of Technology in Bombay (IIT-B)

### **EIFFEL SCHOLARSHIPS**

The French Ministry of Foreign and European Affairs launched the Eiffel Excellence Scholarship Program to support French centres of higher education in their international outreach initiatives for Master's, engineering and PhD courses. Usually funding of €1181/month is provided for 12 to 36 months for Master's degree students and funding of €1400/month is provided for 10 months for PhD candidates (in the 2nd and 3rd year). This scholarship covers pre-departure French language courses, 1 return flight ticket, medical insurance, cultural activities and may cover housing costs.

For more information: <http://www.campusfrance.org/en/news/eiffel-scholarships>

**FERNAND BRAUDEL-IFER** (International Fellowships for Experienced Researchers) / Programme Hermès

The Fondation Maison des Sciences de l'Homme and its partners offer postdoctoral fellowships to researchers in the social and human sciences for periods of nine months as part of its "Fernand Braudel-IFER" (International Fellowships for Experienced Researchers) programme. This programme is supported by the European Commission (*Action Marie Curie – COFUND – 7th PCRD*).

Web page: <http://www.fmsch.fr/en/c/4171>

### **CAMPUS FRANCE FOR FOREIGN STUDENTS MOBILITY TO FRANCE**

Campus France is the French agency dedicated to mobility of Foreign students and researchers from all over the world to France. A comprehensive set of information about the higher education and research landscape in France, how to prepare studying in France and some funding (scholarships, fellowships) opportunities are available on the following website: <http://www.campusfrance.org/en>.

In India, specific scholarship programs are available, especially for Indian students in bachelor and master, allowing them to pursue their studies or part of them in France :

**CHARPAK MASTER SCHOLARSHIP:** This program is designed for one to two years of studies in France at the Master's degree level.

Web page: <http://www.inde.campusfrance.org/en/page/masters-program>

**CHARPAK EXCHANGE SCHOLARSHIP:** This program is designed for exchange students for a period of one to four months (duration of an academic semester) at the Bachelor's or Master's degree level.

Web page: <http://www.inde.campusfrance.org/en/page/charpak-exchange-program>

**CHARPAK INTERNSHIP SCHOLARSHIP:** This program is designed for engineering and pure sciences students at the Bachelor's or Master's levels who plan to train at French Institutions during their academic break (May to July).

Web page: <http://www.inde.campusfrance.org/en/page/internship-program>

### **ANR "HOSTING HIGH-LEVEL RESEARCHERS"**

This funding instrument dedicated to individuals and open to all scientific fields enables "junior" or "senior" researchers from any country to carry out an ambitious research project in a reputed institution in France.

<http://www.agence-nationale-recherche.fr/en/funding-opportunities/current-calls/aap-en/hosting-high-level-researchers-2015/>

	<p><b>OPEN POSITIONS: INTERNSHIP, PHD, POST-DOCTORATE IN FRANCE</b>  <a href="http://www.phdinfrance.net">http://www.phdinfrance.net</a>  <a href="http://www.frenchscienceindia.org/index.php/opportunities/phd">http://www.frenchscienceindia.org/index.php/opportunities/phd</a></p> <p><b>ESONN 2015 EUROPEAN SCHOOL ON NANOSCIENCES AND NANOTECHNOLOGIES</b>  <a href="http://www.frenchscienceindia.org/index.php/events-category/280-esonn-grenoble-france-session-2015">http://www.frenchscienceindia.org/index.php/events-category/280-esonn-grenoble-france-session-2015</a></p> <p><b>CEFIPRA-SOLEIL SYNCHROTRON PROGRAMME</b> (ACCESS TO SYNCHROTRON RESEARCH FACILITY TO INDIAN RESEARCHERS)  <a href="http://cefipra.org/pdf/call_for_proposal_soleil_cefipra_summary.pdf">http://cefipra.org/pdf/call_for_proposal_soleil_cefipra_summary.pdf</a></p>
Main bilateral R&I initiatives or programmes specifically targeting Indian participants	
<b>Main regular R&amp;I programmes open to Indian (and other) participants</b>	<p>CEFIPRA is a model for bilateral cooperation in Science and Technology. The Centre receives financial support from the Department of Science &amp; Technology, Government of India and the Ministry of Foreign Affairs, Government of France. The primary objective of supporting collaborative Basic research, applied research and innovation projects between Indian and French scientists is to complement the expertise and strength of high quality research groups in advanced areas of science and technology thereby promoting excellence in science. Deadlines for receipt of project proposals: April 1 and October 1 every year. Online application form and other information is available on the website <a href="http://www.cefipra.org">http://www.cefipra.org</a></p> <p><b>ANR-DST JOINT CALL FOR COLLABORATE RESEARCH PROJECTS:</b>  Within the framework of the ANR-DST agreement, regular calls for proposal are announced. The 2013 call was focused on "Infectious Diseases" and "Engineering Sciences", 2014 and 2015 calls were focused on Neurosciences and Engineering Sciences.</p>
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	<ul style="list-style-type: none"> <li>• European multilateral initiatives: <ul style="list-style-type: none"> <li>○ Inno-Indigo, Indigo-Policy (<a href="https://indigoprojects.eu/about/inno-indigo/about">https://indigoprojects.eu/about/inno-indigo/about</a>)</li> <li>○ INFECT-ERA (<a href="http://www.infect-era.eu">www.infect-era.eu</a>)</li> </ul> </li> <li>• Regional (Asia) programs between France and Asia, about ICT (ICT Asia) and biological sciences (BIO Asia) – <a href="http://www.campusfrance.org/fr/bio-asie_stic-asie">http://www.campusfrance.org/fr/bio-asie_stic-asie</a></li> </ul>
<b>Further information</b>	<p><b>Websites:</b>  <a href="http://www.frenchscienceindia.org">http://www.frenchscienceindia.org</a>  <a href="http://www.cefipra.org">http://www.cefipra.org</a>  <a href="http://www.campusfrance.org">http://www.campusfrance.org</a>  <a href="http://www.phdinfrance.net">http://www.phdinfrance.net</a></p>



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<p><b>Bilateral relations:</b></p> <ul style="list-style-type: none"> <li>• <b>2015:</b> Four agreements signed in the field of Science and Technology and Higher Education during the 3<sup>rd</sup> Intergovernmental consultations by respective ministries.</li> <li>• <b>2014:</b> 1st Meeting Indo-German Group on Higher Education led by German Federal Ministry of Education and Research (BMBF) and the Indian Ministry of Human Resource Development (MHRD). Next meeting to take place in Germany in 2016.</li> <li>• <b>Mid 1990s to date:</b> Indo-German Committee on Science and Technology meets every 18 to 24 months on State Secretary level. Meetings alternate between Germany and India.</li> <li>• <b>2014:</b> 10<sup>th</sup> Meeting Indo-German Committee on Science and Technology took place in November 2014 in New Delhi</li> <li>• <b>2012:</b> First meeting of Indo-German Steering Committee on Biotechnology.</li> <li>• <b>1974:</b> Intergovernmental agreement on co-operation regarding scientific research and technological development.</li> <li>• <b>1971:</b> Intergovernmental agreement on co-operation regarding the peaceful use of atomic energy and space research.</li> </ul> <p><b>Other agreements (examples):</b></p> <ul style="list-style-type: none"> <li>• Joint Declaration by the <i>Ministry of Science and Technology</i> and the <i>Federal Ministry of Education and Research of Germany</i> to increase the tenure of IGSTC, 2015</li> <li>• MoU between <i>University Grants Commission (UGC)</i> and <i>German Academic Exchange Service (DAAD)</i>, Germany, in 2015 for Indo-German Partnership in Higher Education to implement a Memorandum of Agreement signed in 2013 by the <i>Federal Ministry of Education and Research</i> and the Indian <i>Ministry of Human Resources and Development</i>.</li> <li>• the <i>German Research Foundation</i> and the Indian <i>Department of Biotechnology, Ministry of Science and Technology</i> (signed in 2012)</li> <li>• the <i>German Research Foundation</i> and the Indian <i>University Grant Commission</i> (signed in 2010)</li> <li>• the <i>Max Planck Society</i> and the Indian <i>Department of Science and Technology</i> (signed in 2004)</li> <li>• the <i>German Research Foundation</i> and the Indian <i>Department of Science and Technology</i> (signed in 2004)</li> <li>• the <i>German Research Foundation</i> and the Indian <i>National Science Academy</i> (signed in 1990).</li> </ul> <p>There are several other such agreements signed at university/institute level.</p>
<p><b>Priorities</b></p>	<p>The following fields are defined as focal areas: Biotechnology, Information technology, Environmental technologies, Sustainability Research, Health research, Material sciences, Space Research, Production Technologies.</p>

	It is an agreed goal to attract more industry participation in joint research projects.
<b>Joint research institutes / laboratories</b>	<p>The following joint research institutions have been established in India:</p> <ul style="list-style-type: none"> <li>• the <i>Indo-German Centre for Sustainability (IGCS)</i>, established at IIT Madras in 2010;</li> <li>• the <i>Indo-German Max Planck Center for Computer Sciences (IMPECS)</i> at IIT Delhi, established in 2010;</li> <li>• the <i>Indo-German Max Planck Center on Lipid Research</i>, established in 2011 at the <i>National Center for Biological Sciences</i> in Bangalore (<a href="#">more info</a>).</li> </ul>
<b>Innovation or industry related activities</b>	<p>The <b>Indo-German Science and Technology Center (IGSTC)</b> was established in 2008 in Gurgaon. It funds bilateral research projects in applied sciences. Each project involves research institutions and industry partners on both sides (2+2 model). The IGSTC regularly issues call for research project proposals in jointly identified priority areas and a call to organise joint workshops. A Joint Declaration was signed by the <i>Ministry of Science and Technology</i> and the <i>Federal Ministry of Education and Research of Germany</i> to extend the tenure of IGSTC until 2022 with an increased amount of funding from both sides.</p> <p>The <b>German House for Research and Innovation (DWIH)</b> was established in 2012 in New Delhi as a joint representation of all major German science and research organisations in India. Its aim is to increase visibility of German research in India and facilitate outreach to the Indian science community. In 2015, the DWIH undertook tours to Pondicherry, Kolkata, Mumbai, Chandigarh and Bangalore and organised higher education fairs and exhibitions.</p>
<b>Student &amp; researcher mobility schemes open to Indians</b>	<ul style="list-style-type: none"> <li>• <b>German Federal Ministry for Education and Research (BMBF)</b>: The BMBF funds accommodation for Indian project participants in Germany in order to support contact initiation for international projects in strategic research field. They announce yearly calls with DBT, DAE, CSIR and ICMR. See <a href="http://www.internationales-buero.de/">www.internationales-buero.de/</a></li> <li>• <b>German Research Foundation (DFG)</b>: The DFG funds research aimed at initiation and intensification of bilateral cooperation. Under a joint scheme with the UGC, German and Indian research groups together form an "<i>International Research Training Group</i>" (IRTG) aimed at the joint qualification of doctoral candidates in both countries.</li> <li>• <b>German Academic Exchange Service (DAAD)</b>: The DAAD funds various scholarships for interns, graduate and post-graduate students, post-docs and senior scientists. Under the scheme "A New Passage to India" many scholarship modes are being intensified.</li> <li>• <b>Alexander von Humboldt Foundation (AvH)</b>: The AvH enables highly qualified scholars to spend extended periods of research in Germany and promotes the ensuing academic contacts through an active worldwide net of scholars. Various universities and institutes have been host to the well-known "Humboldt Kolleg".</li> <li>• <b>Max Planck Society (MPG)</b>: It offers travel and accommodation funding opportunities to scientists visiting Max Planck Institutes and particularly to highly-qualified junior scientists (<i>Max Planck India Fellows</i>). There are many other funding instruments open to Indian researchers like Erasmus Mundus, as well as funding schemes offered by individual research</li> </ul>

	institutions and universities.
<b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b>	<ul style="list-style-type: none"> <li>• <b>Joint calls</b> by the Indian <i>Department of Science and Technology</i> and the German <i>Federal Ministry of Education and Research (BMBF)</i> within the IGSTC context. These include fields like environmental research, etc.</li> <li>• <b>Bilateral calls</b> for research projects between Indian funding organisations and BMBF concerning specific topics.</li> <li>• <b>“Indo-German Partnership in Higher Education”</b> Programme between DAAD and Indian <i>University Grants Commission</i> to encourage and support cooperation between higher education institutions in each country over a period of for years from 2016-2020.</li> </ul>
<b>Main regular R&amp;I programmes open to Indian (and other) participants</b>	<ul style="list-style-type: none"> <li>• <b>Deutsche Forschungsgemeinschaft (DFG)</b> is the largest independent research funding organisation in Germany. It promotes the advancement of science and the humanities by funding research projects, research centres and networks, and facilitating cooperation among researchers.</li> <li>• <b>Max Planck Society (MPG)</b> is on a par with the best and most prestigious research institutions worldwide. Since its establishment in 1948, no fewer than 18 Nobel laureates have emerged from the ranks of its scientists. The currently 83 Max Planck Institutes conduct basic research in the service of the general public in the natural sciences, life sciences, social sciences, and the humanities. There are 38 Max Planck Partner Groups established in India since 2005.</li> <li>• <b>Fraunhofer Gesellschaft (FhG)</b>: It undertakes applied research that is of direct use to private and public enterprises, and of wider benefit to society. Its services are solicited by customers and contractual research partners in industry, the service sector and public administration.</li> <li>• <b>Helmholtz Association of National Research Centres (HGF)</b>: With its 18 National Research Centres and an annual budget of approximately 4 billion euros, the Helmholtz Association is Germany’s largest research organisation. It produces top results in six research fields: Energy, Earth and Environment, Health, Key Technologies, Structure of Matter, and Aeronautics, Space and Transport.</li> <li>• <b>Leibniz Science Association (WGL)</b>: It comprises of 89 institutions conducting application-oriented basic research and providing scientific infrastructure. It offers a variety of subjects and disciplines to bridge the gap between the humanities and social sciences as well as natural sciences, life sciences and engineering.</li> </ul>
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	<ul style="list-style-type: none"> <li>• Germany is one partner of the <a href="#">NEW INDIGO / INNO INDIGO</a>. This ERA-Net project publishes regular calls for proposals with DST or DBT, where at least two European and one Indian partner have to build a research consortium.</li> <li>• Germany is one of the leading players in the <a href="#">Strategic Forum for International Science and Technology Cooperation</a> (SFIC) to facilitate research cooperation between the EU and India.</li> <li>• India had invested heavily into the multilateral particle accelerator <a href="#">FAIR</a> in Darmstadt as well as <a href="#">DESY</a> in Hamburg.</li> </ul>
<b>Further information</b>	Person to contact at the German Embassy in India:

Mr. Stephan Lanzinger  
Counsellor, Science and Technology  
German Embassy, New Delhi  
+91 11 441 99 171  
wiss-1@newdiplo.de  
[www.india.diplo.de/science](http://www.india.diplo.de/science)

Person to contact in Germany:

Dr. Martin Goller  
German Aerospace Center  
International Bureau of the BMBF  
+ 49 228 3821 1407  
[martin.goller@dlr.de](mailto:martin.goller@dlr.de)  
[www.bmbf.bund.de](http://www.bmbf.bund.de)  
[www.internationales-bureau.de](http://www.internationales-bureau.de)



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<p>The Scientific and Technological Agreement between the Government of the Hellenic Republic and the Government of India was signed in 2007 and ratified in 2008.</p> <p>Partners: Ministry of Education, Long life and Learning and Religious Affairs; Indian Department of Science and Technology (DST).</p> <p>The S&amp;T bilateral cooperation between the Contracting Parties includes:</p> <ul style="list-style-type: none"> <li>• Realization of joint R&amp;D projects and exchange of their results</li> <li>• Exchange of scientists, researchers and experts</li> <li>• Exchange of scientific and technological information and documentation as well as equipment and consumable materials</li> <li>• Organization and participation in meetings, conferences, symposia, workshops, exhibitions etc.</li> <li>• Joint use of R&amp;D facilities and scientific equipment</li> </ul> <p>The Steering Committee will meet at least once every 2 years.</p> <p>Following the framework agreement, the first meeting of the Joint Committee between the General Secretariat for Research and Technology and the Department of Science &amp; Technology (DST) / Ministry of Science &amp; Technology of India, was held in Athens, on 5<sup>th</sup> November,2010. In respect to the agreement, the Joint Committee elaborated and adopted an Executive Program for the years 2010-2013, establishing the thematic areas, the form of cooperation and the financial provisions.</p> <p>The bilateral S&amp; T cooperation shall be implemented through:</p> <ul style="list-style-type: none"> <li>• Joint research Projects</li> <li>• Workshops</li> <li>• Exchange visits</li> </ul> <p>The two sides shall support scientific projects based on mutual interest, which shall be developed, jointly by the Greek and Indian Institutions. Joint research projects shall aim at developing Science and technology and lead to the dissemination of research results and establishing contacts with industry for the follow up of research and development work. Project proposals shall be received annually through a joint call for Projects and approved at regular meetings or exchange of communications on the basis of the evaluations conducted by each Party.</p> <p>Furthermore, every year at least one workshop would be organized each in Greece and India during 2011-13. Both sides will decide the broad subject areas for organization of such workshops mutually.</p> <p>Moreover, both parties will encourage the exchange of scientist and specialist for the implementation of joint R&amp;D projects and participation in bilateral conferences, workshops etc.</p>
<p><b>Priorities</b></p>	<p>According to the Executive Program the priority areas of S&amp;T cooperation shall be:</p> <ul style="list-style-type: none"> <li>• Information and Communication Technology and their Impact on Social and Managerial Issues.</li> <li>• Nanotechnology</li> <li>• Life and Sciences &amp; Biomedical Sciences (including Health and Clinical</li> </ul>

	<p>Research)</p> <ul style="list-style-type: none"> <li>• Seismology and Geodynamics</li> <li>• Agricultural Sciences</li> <li>• Chemical and Physical Sciences</li> <li>• Ocean &amp; Marine Sciences</li> <li>• Environmental Sciences (including Sustainable Urban Development, Telecopy and Remote Sensing)</li> <li>• Renewable Energy Technologies</li> <li>• Technology and Cultural Heritage Preservation</li> </ul>
<b>Joint research institutes / laboratories</b>	
<b>Innovation or industry related activities</b>	
<b>Student &amp; researcher mobility schemes open to Indians</b>	
<b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b>	
<b>Main regular R&amp;I programmes open to Indian (and other) participants</b>	Regular joint calls under the Scientific and Technological Agreement, workshops, Exchange visits.
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	
<b>Further information</b>	Further information may be obtained via GSRT <a href="mailto:estavr@gsrt.gr">estavr@gsrt.gr</a> ; <a href="mailto:esta@gsrt.gr">esta@gsrt.gr</a>

## HUNGARY [2012]



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<p>Indo-Hungarian co-operation in Science &amp; Technology is carried out in the framework of the agreements between the Indian National Science Academy and the Hungarian Academy of Sciences; and the Hungarian National Committee for Technological Development and the Department of Science and Technology of the Government of India.</p> <p>Currently, Indo-Hungarian bilateral co-operation in the field of science and technology is executed through the following Agreements: 1) between the Indian National Science Academy (INSA) and the Hungarian Academy of Sciences (HAS), and 2) between India's Department of Science and Technology (DST) and Hungary's National Committee for Technological Development (OMFB), and, since 2011, the National Innovation Office (NIH).</p>
<p><b>Priorities</b></p>	<p>This co-operation has been characterised by the continuous and regular exchanges of some 50 scientists altogether under two-year programmes.</p> <p>Besides the above-mentioned activities, project-generating workshops have been held in various scientific fields (including green chemistry, biomedicine, optics and electronics in space applications).</p> <p>The diverse spectrum of areas of co-operation, personal inter-disciplinary links and exchanges as well as institutionalised links reflects the synergies and affinities between our two countries in this field.</p> <p>Science cooperation between Hungary and India is not limited to bilateral ties, but is also closely linked to international scientific developments. In recent years, efforts have been exerted on ensuring scientific exchanges and boosting R&amp;D activities related to the Indo-Hungarian Science &amp; Technology Programme go beyond pure research, with the ultimate objectives of commercialisation, social application and globalisation of the knowledge created in this co-operation.</p>
<p><b>Further information</b></p>	<p><i>Person to contact in the Embassy of Hungary in India</i>  <b>Péter Schmidt</b>          Counsellor (Economic-Commercial)          Embassy of the Republic of Hungary          2/50 M, Niti Marg, Chankayapuri          New Delhi 110 021</p> <p>Tel: +91 11 2611 4737 - Fax: +91 11 2688 6742          Email: peter.schmidt@hita.hu</p>

## IRELAND [2012]



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<p>An agreement on Scientific and Technological cooperation between the Irish and Indian Governments was signed in January 2006. At the same time Science Foundation Ireland (SFI) established formal collaborative arrangements at agency level with the Indian National Science Academy (INSA). The aim of these collaborations is to increase the extent and the quality of exchange between the two countries, with a view to building links between Irish academic research leaders and their counterparts in India.</p>
<p><b>Priorities</b></p>	<p>A Programme of Co-operation (POC) was agreed to put in place practical arrangements relating to cooperation under the Government to Government Agreement. It provided for activities jointly organised by both sides including joint calls for projects, workshops and exchange visits and is intended to operate for 2 years until 2011.</p>
<p><b>Joint research institutes / laboratories</b></p>	
<p><b>Innovation or industry related activities</b></p>	
<p><b>Student &amp; researcher mobility schemes open to Indians</b></p>	
<p><b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b></p>	
<p><b>Main regular R&amp;I programmes open to Indian (and other) participants</b></p>	<p>In March 2011 Science Foundation Ireland intensified its international collaborations by co-hosting a series of symposia in Bangalore, India, with the Indian Institute of Science (IISc) and India's National Centre for Biological Sciences (NCBS).</p> <p>The symposia covered specialised areas under three themes: information security, neuroscience and plant biology, and featured formal presentations by SFI-funded researchers based at Cork Institute of Technology, Dublin City University, Waterford Institute of Technology, University College Dublin, University of Limerick, Trinity College Dublin, University College Cork and NUI Galway. In addition to the symposia, IDA Ireland facilitated meetings between companies based in India and the visiting Irish researchers to encourage further collaboration.</p>



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<ul style="list-style-type: none"> <li>• The inter-governmental Agreement on Science and Technology Cooperation was signed in 1978 and renewed in 2003. The nodal agencies are the Ministry of Foreign Affairs (MAE), Government of Italy and the Department of Science and Technology, Ministry of Science and Technology, Government of India. The Agreement is implemented through 3-year Executive Programmes (EP).</li> <li>• The EP in force for 2012-2014 (extended for 2015) indicates co-funding of 12 joint research projects for which mobility of scientists can be met and lists 6 significant bilateral projects for which granting a financial contribution on an annual basis can be considered.</li> <li>• Key areas of cooperation for the EP 2012-2014 are: Agriculture and Food Science and Technology; Design Engineering and Technology; Electronics, Information Communication Technology; Energy and Environment; Health, Biotechnology and Medicine; Nanotechnology and Advanced Materials; Space and Physics; Technologies applied to Cultural and Natural Heritage; Transport Systems including Automotive Technologies.</li> <li>• The Agreement between the Italian Ministry of Foreign Affairs and the Indian Ministry of Human Resources Development (14/02/05), in which MAE grants annually scholarships for Indian students for S&amp;T research activities in Italy. The number of scholarships varies every year.</li> <li>• MoU between the Ministry for Environment, Land and Sea (Italy) and the Indian Ministry of Environment and Forest, for Cooperation in the field of Climatic Change and for carrying out joint projects in the field of "Clean Development Mechanism" under the Kyoto Protocol (Delhi, 2005).</li> <li>• MoU between the Ministry for Environment, Land and Sea (Italy) and the Ministry of New and Renewable Energy, Government of India for developing new and renewable energy technologies (15.02.2007).</li> <li>• MoU between the Italian National Research Council (CNR) and the Indian Council for Scientific and Industrial Research (CSIR), signed in 1995 and now under renewal. Bilateral research projects (ca. 10) are funded (for the mobility part) by the two organisations, with the calls for the projects published every three years.</li> <li>• Agreement for Advanced Research Programme between Provincia Autonoma di Trento, the University of Trento and Bruno Kessler Foundation, and the Department of Science and Technology (DST -India) (first signed 23.07.2003, renewed in 2012 for 2012-2014).</li> <li>• Agreement between the Italian Space Agency (ASI) and the Indian Space Research Organization (ISRO) on cooperation in space science, technology and applications (Delhi, 14/02/05).</li> <li>• MoU between Sincrotrone Trieste S.C.p.A. and Indian Institute of Science, Bangalore for the joint design, construction, assembling and commissioning at the ST Elettra Laboratory (Trieste, Italy) of two X-Ray Diffraction beamlines, one for macromolecular structural studies and the other for high pressure and temperature diffraction studies (20.09.2010).</li> <li>• Agreement between the European Society for Biomaterials (Naples, Italy) and the Biotechnology Research Society of India (29/03/2011).</li> <li>• MoU between the Italian Group of Hydraulics (GII) and the Indian Society</li> </ul>
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	<p>for Hydraulics (Pune, 13/01/2012).</p> <ul style="list-style-type: none"> <li>• Agreement between the Societa' Chimica Italiana (SCI) and the Chemical Research Society of India (Bangalore, 30.11.2007).</li> <li>• There are over 100 bilateral agreements between Italian and Indian Universities and research Institutes for the scientific and academic collaboration.</li> </ul>
<b>Priorities</b>	<p>Italy gives high priority to the S&amp;T collaboration with India. The number of approved significant bilateral projects is among the highest among all the countries with which Italy has agreements on S&amp;T collaboration. The same is valid for the number of joint scientific events organised by the Embassy of Italy in India.</p>
<b>Joint research institutes / laboratories</b>	<ul style="list-style-type: none"> <li>• Research Hub "International Institute for Applicable Mathematics and Information Sciences". MoU between the University of Udine and the B.M. Birla Science Centre, Hyderabad (Delhi, 14/02/05, renewed in September 2010).</li> <li>• Indo-Italian Joint Centre for Enabling Web Technologies and their Applications. MoU between the University of Trento and the Tata Institute of Fundamental Research (Delhi, 14/02/05).</li> <li>• Research Hub on MEMS (Micro-Electro-Mechanical-Systems). MoU between the ITC-irst, Trento and the Indian Institute of Technology, Kharagpur (Delhi, 14/02/05).</li> <li>• Research Hub on neuroinformatics. Technical Agreement between the National Research Council and the National Brain Research Centre, Pune (Delhi, 14/02/05).</li> <li>• Research hub on bioinformatics. Technical Agreement between the National Research Council and the University of Pune (Delhi, 14/02/05).</li> <li>• Research hub on Information and Communication Technologies. Agreement between S.S.S. Anna, Pisa and the Indian Institute of Technology, Kharagpur (Delhi, 14/02/05).</li> </ul>
<b>Innovation or industry related activities</b>	<p>There is no specific programme for innovation. This issue is covered during the joint scientific Indo-Italian Workshops and Seminars, in which the participation of industrial companies from both sides is encouraged.</p>
<b>Student &amp; researcher mobility schemes open to Indians</b>	<ul style="list-style-type: none"> <li>• <a href="#">Executive Programme</a> for S&amp;T Collaboration (Ministry of Foreign Affairs, Italy; Department of Science and Technology, India).</li> <li>• The Agreement between the Italian Ministry of Foreign Affairs and the Indian Ministry of Human Resources Development Scholarships offered by Government of Italy to Indian citizens: <a href="http://www.education.nic.in">www.education.nic.in</a></li> </ul>
<b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b>	<p>There are joint calls every three years for the Executive Programmes in the frame of the inter-Governmental agreement and for the CNR-CSIR agreement.</p> <p>Three Indo-Italian permanent Forums have been developed / are under development: on Tissue Engineering and Biomaterials; Food Biotechnology; Biotechnologies for Health, Nutrition and Environment. A Joint Center of excellence in environmental technologies was launched between CNR and NEERI (CSIR).</p>
<b>Trilateral or multilateral R&amp;I initiatives open to</b>	<p>Multilateral initiatives are under the European Union Framework Programmes or the India-EU concerted calls. At present there are about 10 multilateral projects</p>

<b>Indian participants</b>	with Italian scientists as Project leaders or participants, mainly in the areas of: agriculture, renewable energy, environment, transport systems.
<b>Further information</b>	<p><b>Ministry of External Affairs and International Cooperation</b>  Piazzale della Farnesina 1 - 00194 Roma  Tel: +39 0636911 ; <a href="http://www.esteri.it">www.esteri.it</a></p> <p><b>Ministry for University and Research</b>  PIAZZA Kennedy 20 - 00144 Roma  Tel: +39 0697721 ; <a href="http://www.miur.it">www.miur.it</a></p> <p><b>Institutes under the National Research Council (CNR):</b>  <a href="http://www.cnr.it/istituti/Istituti_eng.html">http://www.cnr.it/istituti/Istituti_eng.html</a></p> <p><b>ENEA: Italian National Agency for New Technologies, Energy and Sustainable Economic Development:</b> <a href="http://enea.it">http://enea.it</a></p> <p><b>For research positions and fellowships in Italy:</b> <a href="http://www.euraxess.it">http://www.euraxess.it</a></p> <p><b>Details about the courses in English language provided by Italian Universities can be found in the following websites:</b>  <a href="http://www.crui.it/HomePage.aspx?ref=2094#">http://www.crui.it/HomePage.aspx?ref=2094#</a>  <a href="http://www.study-in-italy.it/index.html">http://www.study-in-italy.it/index.html</a></p> <p><a href="http://www.uni-italia.it/en/corsi-in-inglese">http://www.uni-italia.it/en/corsi-in-inglese</a>  <a href="http://www.iicnewdelhi.esteri.it/IIC_NewDelhi/Menu/Opportunita/Borse_di_studio/">http://www.iicnewdelhi.esteri.it/IIC_NewDelhi/Menu/Opportunita/Borse_di_studio/</a>  <a href="http://www.studiare-in-italia.it/studentistranieri/">http://www.studiare-in-italia.it/studentistranieri/</a></p> <p><b>Person to contact in Embassy of Italy in India</b>  <i>Prof. Lidia Szpyrkowicz</i>  Embassy of Italy  50-E, Chandragupta Marg, New Delhi  Tel: +91 11 2611 4358; Fax: +91 11 2687 3669  Email: <a href="mailto:newdelhi.scienza@esteri.it">newdelhi.scienza@esteri.it</a>  <a href="http://www.ambnewdelhi.esteri.it/Ambasciata_NewDelhi">http://www.ambnewdelhi.esteri.it/Ambasciata_NewDelhi</a></p>



<b>Cooperation framework with India (e.g. bilateral agreements)</b>	Agreement on cooperation in the fields of science and technology is still under negotiation
<b>Priorities</b>	This is only being worked out
<b>Joint research institutes / laboratories</b>	no
<b>Innovation or industry related activities</b>	Innovation should be covered by the same agreement under negotiation
<b>Student &amp; researcher mobility schemes open to Indians</b>	<p>Only case by case, based on the MoUs between Lithuanian and Indian universities Possibilities:</p> <p><b>Lithuanian state scholarships for Lithuanian (Baltic) studies and Lithuanian language and culture summer courses</b></p> <p>Lithuanian state scholarships for short-term Lithuanian (Baltic) studies and Lithuanian language and culture summer courses are offered annually for a group of countries, <b>India</b> being among them. The quota is annually readjusted to available financial resources. In 2012, the quota of <b>110 months</b> was offered for a group of <b>20 countries</b>.</p> <p>Students, lecturers and researchers of higher education institutions of these foreign countries can apply for periods of studies (one or two semesters) or summer language and culture courses organized by Lithuanian higher education institutions.</p> <p>More information: <a href="http://www.smpf.lt/uploads/documents/state_scholarships/III_stipendiju_tipas.doc">http://www.smpf.lt/uploads/documents/state_scholarships/III_stipendiju_tipas.doc</a></p> <p><b>Researcher Visits Programme of the Research Council of Lithuania</b> Foreign or Lithuanian researcher, who has been researching abroad for no less than the past 2 years, can apply for the grant for 'Incoming Researchers Visits' to come for a short-term visits to Lithuanian higher education and research institution or enterprise, which is involved in the research and development sector (host institution). There are 3 types of Incoming Researchers Visits:</p> <ul style="list-style-type: none"> <li>- Participation in the process of doctoral studies (to consult or attend the thesis defence). Duration of a grant up to 4 days.</li> <li>- Lecturing or seminars delivery. Duration – up to 14 days.</li> <li>- Research activities. Duration – up to 50 days.</li> </ul> <p>The amount of incoming researcher grant depends on the duration of the visit. Part of the grant is allocated to cover travel expenses, accommodation. In case of research activities it also can include additional expenses of the host institution incurred due to the visit. Calls for applications at least twice per year. Host institution is necessary for application. The Programme is implemented under the project of ES structural fund Short-Term</p>

	<p>Researcher Visits Funding Competition (2009–2013).  Web page: <a href="http://www.lmt.lt">www.lmt.lt</a>. E-mail: <a href="mailto:vizitai@lmt.lt">vizitai@lmt.lt</a>.</p>
<p><b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b></p>	
<p><b>Main regular R&amp;I programmes open to Indian (and other) participants</b></p>	-
<p><b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b></p>	Not yet explored
<p><b>Further information</b></p>	<p>Information about Research positions &amp; fellowships in Lithuania, advice &amp; support on mobility to the country is available on websites:  <a href="http://www.euraxess.lt/">http://www.euraxess.lt/</a>, <a href="http://www.lmt.lt">http://www.lmt.lt</a></p>



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<p>The <b>Agreement between the Government of the Republic of Poland and the Government of the Republic of India on Cooperation in Science and Technology</b> signed in New Delhi on 12 January 1993. This Agreement is being implemented by the Joint Committee for S&amp;T Cooperation. The tasks of the Joint Committee are as follows:</p> <ol style="list-style-type: none"> <li>Creation of favourable conditions for implementation of the Agreement;</li> <li>Facilitating the implementation of joint programs and projects;</li> <li>Exchange of opinions on the prospects of the scientific and technological cooperation and examination of the proposals for its development.</li> </ol> <p>The Department of Science and Technology, Government of India and the Ministry of Science and Higher Education of the Republic of Poland <a href="http://www.nauka.gov.pl/en/">http://www.nauka.gov.pl/en/</a> are responsible for the supervision, coordination and implementation of bilateral cooperation.</p> <p>Indo-Polish bilateral cooperation in science and technology is also executed through the <b>Agreement between the Indian National Science Academy (INSA) and the Polish Academy of Sciences (PAN)</b>, mainly through the exchange of scientists and common research. This agreement was signed in March 2012.</p>
<p><b>Priorities</b></p>	<p>Strengthening cooperation between Poland and India in the field of science and technology in order to promote the development of existing friendly relations between the two countries.</p>
<p><b>Joint research institutes / laboratories</b></p>	<p><b>The Centre for Contemporary India Research and Studies</b> - an innovative and interdisciplinary centre of excellence at the Institute of International Relations, University of Warsaw, based on cooperation with the United Nations Development Programme, University of Hyderabad, Jawaharlal Nehru University and other 14 European and 8 Indian universities and highly specialized institutes.</p> <p>The Centre for Contemporary India Research and Studies is the project funded by the EU aimed at strengthening knowledge about contemporary Indian business and politics. The funding agencies are the European Union/India-EU Study Centre Programme (<a href="http://www.iescp.org">http://www.iescp.org</a>) and the University of Warsaw/Institute of International Relations (<a href="http://www.uw.edu.pl">http://www.uw.edu.pl</a>; <a href="http://www.ism.uw.edu.pl">http://www.ism.uw.edu.pl</a>).</p> <p>The Centre consists of the European partners which are drawn from 10 different countries across Europe, including 3 new EU members and one country pursuing closer relations with the EU (Ukraine). The 10 Indian partners (2 partners and 8 associates) come from various regions of India</p> <p>The main goals:</p> <ol style="list-style-type: none"> <li>1. Launching an MA in Contemporary India Business and Politics (taught in English) using an interdisciplinary curriculum.</li> <li>2. Creating an academic network</li> <li>3. Developing research projects on contemporary India</li> <li>4. Dissemination of knowledge</li> <li>5. Creating of a multi-sectoral network/coalition</li> </ol>
<p><b>Innovation or industry related activities</b></p>	<p><b>Memorandum of Understanding between Indian public engineering consultancy company Mecon Ltd and Polish Central Mining Institute</b> signed on February 2013, envisaging cooperation in the field of mining engineering activities.</p>

<b>Student &amp; researcher mobility schemes open to Indians</b>	Based on case-to-case agreements among universities /scientific institutes
<b>Main regular R&amp;I programmes open to Indian (and other) participants</b>	Science – Calls for Proposals. See below “Main bilateral R&I Initiatives”.
<b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b>	The main bilateral R&I initiative targeting Indian and Polish scientists is the contest organized jointly by Ministry of Science and Higher Education and Department of Science and Technology. (the list of research grants is available at: <a href="http://newdelhi.mfa.gov.pl/en/news/the_polish_indian_research_projects_grants_2015_2017">http://newdelhi.mfa.gov.pl/en/news/the_polish_indian_research_projects_grants_2015_2017</a> )
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	Multilateral initiatives are under the European Union Framework Programmes or the India-EU concerted calls.
<b>Further information</b>	See the <a href="#">Catalogue of technologies developed by Polish Research Institutes</a>



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<p>1. <u>Cooperation Agreement on S&amp;T between the Indian Republic and the Portuguese Republic</u> was signed in 3 December 1998, coming into force for successive periods of 5 years.</p> <p><u>Counterparts:</u> Ministers of Science and Technology of both countries</p> <p><u>Main forms of cooperation:</u> Exchange of S&amp;T information and documentation; exchange of scientist and specialists; R&amp;D joint programmes; joint conferences and seminars; reciprocal consultations on C&amp;T policy; S&amp;T outcome dissemination;</p> <p><u>Main cooperation areas:</u></p> <p><u>Committees:</u> <u>Joint Committee</u> , ordinarily meeting every 2 years.</p> <p>2. (1. was followed by a) <u>Memorandum of Understanding on Cooperation in the field of Sea S&amp;T</u>, signed in July 2001.</p> <p><u>Counterparts</u> Ministers of Science and Technology of both countries</p> <p><u>Main forms of cooperation:</u> Exchange of scientists, research workers and specialists; Exchange of S&amp;T information and documentation; exchange of scientist and specialists; R&amp;D joint programmes; joint conferences and seminars; reciprocal consultations on C&amp;T policy; S&amp;T outcome dissemination; supply of R&amp;D equipment and facilities;</p> <p><u>Main cooperation areas:</u> Ocean energy; Ocean dynamics and modelling; Oceanographic multidisciplinary studies; Remote sensing for Ocean Observation; environment quality, pollution and contamination processes; integrated coastal areas management; marine and eco-sensitive coastal areas; living and non living marine resources; underwater instrumentation and equipment; remotely operable and autonomous vehicles and systems for underwater exploitation and scientific research; sea bed mining;</p> <p><u>Committees:</u> Indo Portuguese Joint Committee on Ocean Science and Technological Cooperation, ordinarily meeting once a year.</p>
<p><b>Priorities</b></p>	
<p><b>Joint research institutes / laboratories</b></p>	
<p><b>Innovation or industry related activities</b></p>	

<b>Student &amp; researcher mobility schemes open to Indians</b>	
<b>Main regular R&amp;I programmes open to Indian (and other) participants</b>	3 Cooperation Programmes (POC), lasting 3 years each, following the launching of national calls to submit applications to research joint programmes (financial support to the travel costs of Portuguese researchers to India and Indian researchers to Portugal).
<b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b>	
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	
<b>Further information</b>	PT (Science and Technology Foundation): <a href="http://www.fct.pt/apoios/cooptrans/india/index.phtml.pt">http://www.fct.pt/apoios/cooptrans/india/index.phtml.pt</a>

## ROMANIA [2012]



<b>Cooperation framework with India (e.g. bilateral agreements)</b>	An agreement on Cooperation in Science and Technology was signed in 1993.
<b>Priorities</b>	Romania and India are currently under discussions regarding the convening of the Joint Commission for the technical and scientific cooperation and the signing of the new Programme of Cooperation in the field of Science and Technology.
<b>Joint research institutes / laboratories</b>	
<b>Innovation or industry related activities</b>	
<b>Student &amp; researcher mobility schemes open to Indians</b>	
<b>Main regular R&amp;I programmes open to Indian (and other) participants</b>	
<b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b>	
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	
<b>Further information</b>	<p><i>Person to contact in the Embassy of Romania in India</i>  <b>Mr. Cristian Epure</b>  Deputy Head of Mission  Embassy of Romania  A-47 Vasant Marg  New Delhi 110 057</p> <p>Tel: +91 11 2614 0447  Fax: +91 11 2614 0611  Email: <a href="mailto:embrom@airtelmail.in">embrom@airtelmail.in</a></p>

## SLOVAKIA [2012]



<b>Cooperation framework with India (e.g. bilateral agreements)</b>	Agreement between the Government of the Slovak Republic and the Government of the Republic of India on cooperation in science & technology (Bratislava, October 9, 1996).
<b>Priorities</b>	
<b>Joint research institutes / laboratories</b>	
<b>Innovation or industry related activities</b>	
<b>Student &amp; researcher mobility schemes open to Indians</b>	SAIA, n. o. (Slovak Academic Information Agency) is a non-governmental non-profit organisation implementing programmes and providing services aimed at enhancement of civil society, and assisting in internationalisation of education and research in Slovakia since 1990.
<b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b>	
<b>Main regular R&amp;I programmes open to Indian (and other) participants</b>	
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	
<b>Further information</b>	<a href="http://www.saia.sk/en/">http://www.saia.sk/en/</a>



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<ul style="list-style-type: none"> <li>• The legal basis for the cooperation between Slovenia and India in the field of science and technology is the Memorandum of Understanding between the Ministry of Science and Technology of the Republic of Slovenia and the Ministry of Science and Technology of the Republic of India, signed in 1993 and the Agreement between the Government of the Republic of Slovenia and the Government of the Republic of India on scientific and technological cooperation, signed in 1995 in New Delhi.</li> <li>• The joint Indo-Slovenian Scientific and Technological Cooperation Committee on Scientific and Technological cooperation convenes every two years and is responsible for approving jointly funded projects for the following two years (biannual cooperation program). The funding in most cases covers only the exchange of personnel for up to 14 days. The counterparts on both sides are the. Ministry of Education, Science and Sport of the Republic of Slovenia and the Ministry of Science and Technology of the Republic of India.</li> </ul>
<p><b>Priorities</b></p>	<ul style="list-style-type: none"> <li>• The “Research and Innovation Strategy of Slovenia 2011-2020” aims to exceed mere mobility in the framework of bilateral cooperation and upgrade it by 2020, with special regards to the priority countries defined in Slovenia’s foreign policy. It as well explicitly states that bilateral cooperation will be directed towards BRIC countries (Brazil, Russia, India and China), that are becoming new world centers of R&amp;D.</li> <li>• Slovenia strongly supports the set priorities of the Strategic Forum for International S&amp;T Cooperation- SFIC (Configuration of EU Council) which defines a strategic way to approach India in the domain of R&amp;D.</li> </ul> <p>The priority fields of bilateral cooperation between India and Slovenia for the period 2014 – 2016 are as follows:</p> <ul style="list-style-type: none"> <li>• <b>Engineering, Sustainable Building Industry and Manufacturing Technologies;</b></li> <li>• <b>Energy Efficient Technologies &amp; Solutions including effective use of energy (smart community technologies such as smart grids smart factories, smart homes etc.);</b></li> <li>• Health, Biotechnology including Food research;</li> <li>• New materials including polymers;</li> <li>• Low-carbon technologies (hydrogen and lithium batteries);</li> <li>• <b>Information and Communication Technology;</b></li> <li>• Biosensors, instrumentation and process control;</li> <li>• Chemistry and biology of proteins;</li> </ul> <p>Parties especially encourage the cooperation between Indian Global Innovative Technology Alliance, Ministry of Education, Science and Sport and, Ministry of Economic Development and Technology of the Republic of Slovenia as well as Slovene Competence Centres and Centres of Excellence.</p>
<p><b>Joint research institutes / laboratories</b></p>	

<b>Innovation or industry related activities</b>	Initiative to prepare joint programme for financing technology driven projects.
<b>Student &amp; researcher mobility schemes open to Indians</b>	<ul style="list-style-type: none"> <li>• <b>EURAXESS Slovenia</b> (Research positions &amp; fellowships in Slovenia; advice and support on mobility to the country) <a href="http://www.euraxess.si/en/index.aspx">http://www.euraxess.si/en/index.aspx</a></li> <li>• <b>Human resources development and scholarship fund</b> - The Fund is now the central national management institution for scholarships and development of human resources and offers scholarships for study and research, increases international mobility of students and researchers, provides financial incentives to employers for development of human resources, awards excellence as well as provides up-to-date information and helps build a network for minimizing obstacles to mobility of students, researchers and employees <a href="http://www.sklad-kadri.si/en/">http://www.sklad-kadri.si/en/</a></li> <li>• <b>Young Researchers Programme</b> - Finances postgraduate study and research training for young researchers in Slovenia (Slovenian Research Agency); Agency finances young researchers pay, social contributions, as well as material and non-material costs for research and postgraduate study. <a href="http://www.arrs.gov.si/en/mr/kontakti.asp">http://www.arrs.gov.si/en/mr/kontakti.asp</a></li> <li>• <b>Co-financing of doctoral studies in Slovenian Universities</b></li> </ul>
Main bilateral R&I initiatives or programmes specifically targeting Indian participants	
<b>Main regular R&amp;I programmes open to Indian (and other) participants</b>	Joint calls ( bilateral cooperation)
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	<ul style="list-style-type: none"> <li>• Slovenian and Indian researchers are jointly collaborating in 8 projects of the EU 7<sup>th</sup> Framework Programme for RTD.</li> <li>• Although India is not a member of the EU programme COST (European Cooperation in Science and Technology). SLO and India participate in COST actions, as COST Member state and Non-COST–Country participants, respectively.</li> <li>• Cooperation within EqUIP – EU India Platform for the Social Sciences and Humanities which is financed by the European Commission. Indian Council of Social Science Research Society is involved. Duration of project is 3 years. It will ended on May 2017.</li> </ul>
<b>Further information</b>	<p>The Research and Innovation Strategy of Slovenia 2011-2020: <a href="http://www.mvzt.gov.si/fileadmin/mvzt.gov.si/pageuploads/pdf/odnosi_z_javnostmi/01.06.2011_dalje/01.06. RISSdz_ENG.pdf">http://www.mvzt.gov.si/fileadmin/mvzt.gov.si/pageuploads/pdf/odnosi_z_javnostmi/01.06.2011_dalje/01.06. RISSdz_ENG.pdf</a></p> <p>The Slovenia research agency – bilateral cooperation with India (in Slovenian): <a href="http://www.arrs.gov.si/sl/medn/dvostr/drzave/Indija/">http://www.arrs.gov.si/sl/medn/dvostr/drzave/Indija/</a></p>



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<ul style="list-style-type: none"> <li>• <b>Memorandum of Understanding (MoU)</b> for cooperation in the field of Science and Technology, signed in June 2007 between the Spanish Ministry of Education and Science, the Spanish Ministry of Industry, Trade and Tourism and the Ministry of Science and Technology of India.</li> <li>• <b>Indo-Spanish Joint Programme (PoC) for the Scientific and Technological Co-operation</b> signed between the former Ministry of Science and Innovation of Spain (MICINN), now Ministry of Economy and Competitiveness (MINECO), and the DST (Department of Science and Technology, Ministry of Science and Technology of India).             <ul style="list-style-type: none"> <li>- Date of signature: January 2009, renewed in 2011 for another 3-year period.</li> <li>- Objective: to co-finance bilateral research projects; reinforce the cooperation between researchers of India and Spain, facilitate the mobility of researchers between both countries and to organize bilateral scientific workshops.</li> <li>- Thematic Areas: Biotechnology and Life Sciences; Health; ICT; Renewable Energies; Nanotechnology; Food Processing and Agriculture Technologies.</li> <li>- Results:                 <p><u>Research projects:</u> in the first call, published in 2009, 25 of 140 projects passed the evaluation, with a total funding of 2M€ by each country; in 2011, 18 proposals of 90 were approved, with a total funding of 1,6M€ per country. All the projects have a duration of 3 years.</p> <p><u>Workshops:</u> June 2010, DST and the MICINN organized a workshop on Information Technology &amp; Computer Science in Bangalore (India). It included visits to Indian research centres.</p> <p>March 2011, Scientific Workshop on Renewable Energies in Seville, Spain, organized by MICINN and DST. November 2011, Workshop on Health and Medical Research in New Delhi (more information in the "Innovation Related Activities" section).</p> <p><u>Research visits:</u> Partners working on the ongoing bilateral projects have paid short visits to their counterparts, in both directions. Several pre- or post-doctoral students have stayed for longer periods (months) in their partner's lab.</p> <ul style="list-style-type: none"> <li>• <b>ERAnet New Indigo</b> (FP7 INCO project):</li> </ul> <p>In 2010, the MICINN became observer in the ERAnet New Indigo, funding three multilateral calls in 2010 and 2011 on the thematic areas of Health and Biotechnology; and Wastewater Treatment and Green Chemistry applied to water purification.</p> <p>The calls under the ERAnet with Indo-Spanish participation have been:</p> <ol style="list-style-type: none"> <li>1. Indian partner: DBT. Call 2010. Out of 13 projects selected for multilateral funding, six count with Spanish partners who received a collective funding of 180.000 €. Thematic Area: Health and Biotechnology.</li> <li>2. Indian partner: DST. Call 2011. Spanish research teams participate in all nine selected projects. Total Spanish funding was 400.000 €. Thematic Areas: Wastewater Management and Green Chemistry applied to Water Purification.</li> <li>3. Indian partner: DBT. Call in December 2011. Spanish research teams participate in four out of the six selected projects. Total Spanish funding was 220.000 €. Thematic Area: Biotechnology applied to Human Health.</li> </ol> </li> </ul> </li> </ul>
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- **ERAnets Inno Indigo and Indigo Policy**

The Secretariat of State for Research, Development and Innovation (Spanish Ministry of Economy and Competitiveness) is a member of the Steering Committee in both initiatives and participated at the Kick Off Meetings of Inno Indigo and Indigo Policy held in Delhi from 3-5/12/13. The MINECO takes part in the Platform of Funders of the Inno Indigo project.

Similarly, CDTI – Spain’s National Innovation Agency, Ministry of Economy and Competitiveness has expressed its interest to the Secretariat and is internally exploring the possibility to participate as funding agency from Spain in forthcoming Call with focus on Innovation under Inno Indigo IPP3 Bioeconomy.

- ***Infect-ERA: ERAnet on human infectious diseases***

The Secretariat of State for Research, Development and Innovation (Spanish Ministry of Economy and Competitiveness) and the National Institute of Health Carlos III are partners in this initiative. India, through the Department of Biotechnology has joined in as funding agency for transnational calls for multinational, collaborative research projects that address a specific topic of human infectious diseases research in 2014, 2015 and 2016.

- **MoU between the Spanish National Research Council (CSIC) and the Indian Institute of Science, Bangalore (IISc).**

- Date of Signature: June 2009
- Objective: develop joint Postgraduate Programmes on Mathematics and Astrophysics.

- **MoU on Technology Co-operation signed between the Technology Development Board – TDB (Ministry of Science and Technology) of India and the Centre for the Development of Industrial Technology 3<sup>rd</sup> July 2006.**

- Date of Signature: 3<sup>rd</sup> July 2006 (extended by mutual consent for a 3 year period in June 2009 and in 2012). In 2015, it was agreed not to renew the MoU, and continue the collaboration between TDB (India) and CDTI (Spain) under the DST (GITA) – CDTI PoC on Industrial R&D Co-operation.
- Objective: promote, assist and fund the development of joint technology co-operation and/or technology transfer projects between entities from India and Spain through the India & Spain Innovating Programme (ISIP). The ISIP Programme promotes joint technology co-operation projects between India and Spain via industrial research, technological development and innovation. Co-operation projects should involve at least one qualified partner from each country. Industry-driven and market-oriented R&D projects. Submission of project proposals not subject to deadlines (Open Call throughout the year). The ISIP Programme works as per the principle of decentralized financing.
- Results: Nine projects were certified under the ISIP Programme with a total budget of 12,7 million euro in sectors such as chemistry, human health, machine-tools, low voltage technologies, ICT and hot-melt technologies, among others.
- Thematic Areas: opened to any area of mutual interest and for the purpose of generating economic benefits for the partners. Despite this, following thematic areas have been identified as thrust sectors for Indo-Spanish Technology Co-operation under the ISIP Programme: Biotechnology, Information and Communication Technologies, Space Applications, Food Processing, Renewable Energies, Manufacturing Technologies.

- Implementing Agencies: a) The Centre for the Development of Industrial Technology – CDTI - , Ministry of Economy and Competitiveness, Spain; b) The Technology Development Board – TDB - , Department of S&T, Ministry of Science and Technology, India.
- Last Steering Committee Meeting held in November 2011. Final Progress Report of Cooperation Activities on a yearly / biannual basis.
- **Indo-Spanish Joint Programme (PoC) for Technological Co-operation in the field of Biotechnology (Signatories: CDTI, Spain and DBT, India)**
  - Date of Signature: 22<sup>nd</sup> November 2011.
  - Objective: promote and fund innovation-driven research and technology development as well as to encourage partnerships and business-led R&D&I collaborative projects in the field of biotechnology.
  - Results:
    - a) Industrial R&D Projects
      - First DBT-CDTI Call (2012): 3 Indo-Spanish projects representing a total budget of 1.27 million euros were jointly selected and considered eligible for funding in the areas of nutraceuticals, functional food and biosensors.
      - Second DBT-CDTI Call (2013): 2 Indo-Spanish projects representing a total budget of 1.96 million euros were jointly selected and considered eligible for funding in the areas of bio-based products for agriculture and biotech application in food processing.
      - Third DBT-CDTI Call (2015): 3 Indo-Spanish projects representing a total budget of 1.7 million euros were jointly selected and considered eligible for funding in the areas of biosensors, bioplastics and biopesticides.
      - CDTI (Spain) and DBT (India) are considering to launch a 4th Call for Industrial R&D Proposals in 2016, on a focused area..
    - b) Workshops and Exchange of Visits:
      - DBT - CDTI Power Breakfast organized in the frame of the participation of Spain at BioAsia 2013 (30/01/2013), Hyderabad.
      - 25 member research-business delegation from India to Spain (20-22/05/2013) jointly coordinated by DBT, CDTI and FICCI. 2 Indo-Spanish WS were organized in Madrid and Barcelona.
      - 15 member research-business delegation with focus on biomedicine, health and medtech from Spain to India (08-11/02/2016) seeking for R&D collaborations visiting Hyderabad and Bangalore.
  - Foreseen Activities: Call for Joint Technological Co-operation Projects 2016; Partner search and support for building up consortia and alliances; awareness raising and promotion; organization of research and business delegations.
  - Thematic Areas: All areas of biotechnology e.g. health biotechnology, industrial biotechnology, nanobiotechnology, agro-biotechnology, including biofuels and bioenergy. Forthcoming calls will prioritize one or two topics.
  - Implementing Agencies: a) The Centre for the Development of Industrial Technology – CDTI - , Ministry of Economy and Competitiveness, Spain; b) The Department of Biotechnology – DBT - , Ministry of Science and Technology, India.
  - 1st Steering Committee Meeting 31st January 2013 in Delhi. Last Joint Review

Meeting 9<sup>th</sup> January, 2016.

- **Indo-Spanish Joint Programme (PoC) for Technological Co-operation in the field of Renewable Energies (Signatories: CDTI, Spain and MNRE, India)**

- Date of Signature: 23<sup>rd</sup> November 2011.
- Objective: promote and fund innovation-driven research and technology development as well as to encourage partnerships and business-led R&D&I collaborative projects in the field of renewable energy.
- Results: Industrial R&D Projects:
  - o First MNRE-CDTI Call (2012): 3 Indo-Spanish projects representing a total budget of 3.88 million euros were jointly selected and considered eligible for funding in the areas of wind power forecasting, pv solar fabrication cells and optimization of receiving components in solar thermal plants.
  - o Second MNRE-CDTI Call (2013): Indo-Spanish proposals submitted are under peer review evaluation
- Foreseen Activities: Identification of R&D project ideas and collaborations; Partner search and support for building up consortia and alliances; awareness raising and promotion; organization of research and business delegations.
- Thematic Areas: Opened to all areas in the field of renewable energy, e.g. solar photovoltaic and solar thermal energy, wind energy, hydrogen energy and fuel cells, battery operated and hybrid vehicles, geothermal energy, tidal energy, hybrid renewable energy technologies, energy storage systems.
- Implementing Agencies: a) The Centre for the Development of Industrial Technology – CDTI -, Ministry of Economy and Competitiveness, Spain; b) The Ministry of New and Renewable Energy – MNRE - , India.

1st Steering Committee Meeting 31st January 2013 in Delhi.

- **Programme of Co-operation on Industrial R&D between Spain and India (Signatories: CDTI, Spain and DST, India).**

- Date of Signature: 30<sup>th</sup> January 2013
- Objective: promote and fund innovation-driven research and technology development as well as to encourage partnerships and business-led Industrial Research and Development (I&R&D) projects in areas of mutual interest.
- Activities: 1st Indo-Spanish Request for Industrial R&D R&D Proposals in the field of Water Technologies and ICT was launched November 12th 2013 and will remain opened until the 15th of March. A technology focused delegation in Water and ICT of Spanish Companies and Research Centres was organized for the GITA Platform 2013 event in collaboration with DST and GITA (CII).
- Thematic Areas: In line with the thrust sectors identified for R&D co-operation between Spain and India, future Calls might focus on broad sectors such as Energy and Climate Change, Environment, Information and Communication Technologies, Biotechnology, Health, Agro-food technologies, Manufacturing Technologies, Aerospace, Chemistry and Nanotechnology.
- Implementing Agencies: a) The Centre for the Development of Industrial Technology – CDTI - , Ministry of Economy and Competitiveness, Spain; b) The Global Innovation and Technology Alliance (GITA), joint DST-CII initiative.
- Results:
  - a) Industrial R&D Projects

	<ul style="list-style-type: none"> <li>○ First DST/GITA-CDTI Call (2013-2014) focusing on ICT and Water Technologies: 1 Indo-Spanish project representing a total budget of 0.69 million euros was selected and considered eligible for funding in the area of ICT applied to transport management.</li> <li>○ Second DST/GITA-CDTI Call (2014-2015) focusing on ICT, Clean Technologies and Smart Cities: currently open till 15th April, 2015: 2 Indo-Spanish projects representing a total budget of 1.18 million euros were selected and considered eligible for funding in the areas of flexible electronics and e-health.</li> <li>○ Third DST/GITA-CDTI Call (2015-2016) focusing on ESDM Technologies, Smart Cities, Clean Technologies, Material and Advanced Manufacturing launched on December 16<sup>th</sup> 2015. For eligibility, evaluation and funding of Indian partners in ESDM proposals DST-GITA and CDTI have also partnered and collaborate with DeitY, Ministry of Communications and Information Technologies, India.</li> </ul> <p>b) Workshops and Exchange of Visits:</p> <ul style="list-style-type: none"> <li>○ Organization of 2 technology-focused delegations comprising leading research centres and companies in the fields of water technologies and ICT for the GITA Platform 2013 event (Delhi) in collaboration with DST and GITA (CII) - 12-13/11/13</li> <li>○ Organization of 2 technology-focused delegations comprising leading research centres and companies in the fields of Clean Technologies and ICT for the GITA Platform 2014 event (Delhi) in collaboration with DST and GITA (CII) - 20-22/11/14.</li> <li>○ Informative/Matchmaking joint sessions (videconference) in the frame of ongoing Call CDTI-DST/GITA 2015-2016 to be organized in February.</li> </ul>
<b>Priorities</b>	<p>The Ministry is willing to continue its collaboration with India on the thematic areas already mentioned. A further collaboration with the DBT (Department of Biotechnology of the Indian Ministry of Science and Technology) is being studied.</p> <p>CDTI's strategy is to bring to a higher level the existing technological co-operation with India, devising new avenues for enhancing innovation-driven and market-oriented R&amp;D co-operation with India</p> <p>CDTI has recently signed with counterpart agencies in India 3PoCs for promoting and financing innovation driven research and technological development in different thematic areas/industrial sectors.</p> <p>As a result of the participation of Spain and presentation of CDTI at EU-India WS on ICT Research and Innovation Co-operation (29th April, 2014 in Delhi) organised by the EU Delegation, and the Department of Electronics and Information Technology (Ministry of Communications and Information Technologies) collaboration with DEITY in the fields of electronics and ICT is being explored. Collaboration with DeitY has been articulated through the existing CDTI-DST(GITA) Programme for proposals/projects on ESDM technologies.</p> <p>CDTI is presently looking at closer association with some states of India, so as to devise effective promotion and engagement strategies aimed at generating more awareness on existing bilateral programmes and at identifying concrete opportunities and project ideas between Spain and India.</p>
Joint research	

institutes / laboratories	
<b>Innovation or industry related activities</b>	<p>The Centre for the Development of Industrial Technology – CDTI – is a public entity under the Ministry of Economy and Competitiveness charged to promote business R&amp;D and innovation and raise the Spanish Companies’ technological level by financing their R&amp;D&amp;I projects, both at national and international level. It is Spain’s National Industrial R&amp;D Agency.</p> <p>CDTI has a Representative at the Embassy of Spain in New Delhi since 2006. The main objective is to reinforce the services offered to Spanish companies interested in India and also facilitate interaction with Indian public bodies, Government, research institutions, companies and other R&amp;D performing organizations.</p> <p>In collaboration with the National Contact Point for India in CDTI and the Department for Foreign Technology Action Department, the following actions are currently being implemented and following services rendered.</p> <ul style="list-style-type: none"> <li>▪ Expanding network of agreements and programmes for promoting industry-driven and market oriented R&amp;D projects in focus sectors (biotechnology, renewable energy) between India and Spain. (Please refer to Co-operation Framework paragraph).</li> <li>▪ Organization of technology business delegations and matchmaking sessions in focus sectors (renewable energy, water-related technologies, biotechnology,..).</li> <li>▪ Support in partner search and building up consortia for R&amp;D collaborative projects under bilateral or multilateral schemes (Proposals under the 7FP opened to ICPC or Coordinated Calls between EU and India).</li> <li>▪ Support in partner search for tech projects / commercialization of technologies / technology-based JVs</li> <li>▪ Identification of technology opportunities for Spanish companies in / with India (technology procurement/tenders/national &amp; Indian R&amp;D funding schemes).</li> <li>▪ Create Awareness on the technology capabilities / strengths of the Spanish companies in India and on the R&amp;D financing schemes existing at the bilateral (Spain-India) and multilateral level (EU – India) for S&amp;T Co-operation with India</li> </ul> <p><b><u>Priority Sectors identified for Indo-Spanish Technological Co-operation</u></b></p> <ul style="list-style-type: none"> <li>• Energy and Climate Change</li> <li>• Water-related technologies</li> <li>• Biotechnology</li> <li>• Health</li> <li>• Agro-Food Technologies</li> <li>• Aerospace Applications</li> <li>• Information and Communication Technologies</li> <li>• Manufacturing Technologies / Green Manufacturing</li> <li>• Materials</li> </ul> <p><i><u>Spain participated as sole Partner Country at the 17<sup>th</sup> edition of the Technology Summit and Technology Platform organized by the Department of Science and Technology of India and the Confederation of Indian Industries.</u></i></p> <p>Theme of the Summit: <i>"Fostering Indo-Spanish S&amp;T and Business Co-operation to address Socio Economic Challenges"</i></p> <p><i>Thematic Areas: Renewable Energy, Water-related technologies, biotechnology, Medical Sciences</i></p> <p>Dates and Venue: 22-24 November, 2011 in New Delhi</p>

Organizers: a) SPAIN: Ministry of Science and Innovation, The Centre for the Development of Industrial Technology and the SpainIndia Council Foundation; b) INDIA: Department of Science and Technology, Confederation of Indian Industries

A large Spanish delegation of more than 100 companies, research institutes and institutional representatives took part in the event. As part of the delegation leading companies and research institutes in the fields of the Summit (Companies: *Abengoa, Gamesa, Indra, Cadagua, 2B Black Bio, ProgenikaBiopharma*; R&D Institutions: *Solar Platform of Almería, CSIC, CIEMAT, CENER, FundaciónCartif,..*)

Around 435 delegates from Government, Research Institutes and Companies from India participated at the 17<sup>th</sup> edition of the Technology Summit

512 focused B2B meetings organized between Indian and Spanish organizations. As a result more than 170 Expressions of Interest between Spanish and Indian organizations were signed.

22 Spanish organizations and 12 Indian showcased their activities and products at the exhibition sector.

An Indo-Spanish Scientific Workshop on Health Research and Medical Sciences where 19 scientists from Spain and India participated, was also part of the Technology Summit Programme.

*Spain participated as Partner Country at the BioAsia event in 2013 organized by the Federation of Asian Biotech Associations and the Government of Andhra Pradesh (28-30/01/13)*

Spain participated as Partner Country at the 10th edition of BioAsia 2013. An official delegation led by the Spanish Minister of State for R&D&I consisting of leading research institutes (CNIC- ISCIII, CIB-CSIC) and companies (*Biosearch Life, Inbiotec, LaboratoriosCifga, Starlab, Sojivit, AINIA*) from the biotech sector represented the R&D capacities of Spain at this platform.

Information and material on the Spanish biotech sector was distributed at the Spanish pavilion. Similarly an Indo-Spanish Power Breakfast was organized on the sidelines of the BioAsia forum (100 attendees aprox).

*Visit of research and technology focused delegation from India to Spain in the field of biotechnology and life sciences (20-23/05/13)*

A 25 member delegation organized by DBT and with the support of FICCI, the Spanish Secretariat of State for R&D&I, CDTI and the Embassy of Spain visited from 20th to 23rd May main centres of excellence (oncology, cardiovascular diseases,..), bio parks and companies in Madrid and Barcelona. 2 Indo-Spanish WS were organized in Madrid and Barcelona coinciding with the visit for facilitating the identification of opportunities for Industrial R&D Collaborations. The Indian delegation consisted of representatives of DBT and FICCI along with a relevant selection of research centres (*AIIMs, Rajiv Gandhi Centre for Biotechnology, IILS,....*) and companies (*Lupin, ZydusCadila, Biozeen, Ankur Seeds,....*) active in the field of biomedicine and agribiotechnology.

*Organization of 2 technology-focused delegations comprising leading research centres and companies in the fields of water technologies and ICT for the GITA Platform 2013 event in collaboration with DST and GITA (CII) - 12-13/11/13*

A 20 member delegation representing 15 leading companies and reserchcentres from Spain in Water and ICT participated at the GITA Platform 2013. At the Inaugural of the event, the first Indo-Spanish Requests for Industrial R&D Proposals in Water and ICT were launched and will remain opened till 15th of March 2014.

The Spanish delegation consisted of representatives of CDTI (Spain), AMETIC (Spanish Association for ICT) and PLANETA (Spanish Technology Platform for Environmental

	<p>Technologies) along with leading research centres and universities (IMDEA Water, FundaciónCartif, Technology Transfer Office of CSIC, Polytechnic University of Valencia, AINIA Technology Centre, Aimen Technology Centre..) and companies (<i>Abengoa Water, EptisaServicios de Ingeniería, S.A., Panda Security, Virtualware, NutrimentecS.L.,...</i>) in the fields of Water and ICT Technologies.</p> <p><u>Organization of 2 technology-focussed delegations comprising leading research centres and companies in the fields of clean technologies and ICT for the GITA Platform 2014 event (Delhi) in collaboration with DST and GITA (CII) - 20-22/11/14</u></p> <p>A delegation representing 12 leading companies and reserchcentres from Spain in Clean Technologies, ICT and Smart Cities participated at the GITA Platform 2014. At the event, the second Indo-Spanish Requests for Industrial R&amp;D Proposals in Clean Technologies, ICT and Smart Cities was launched and will remain opened till 15th of April, 2015.</p> <p>The Spanish delegation consisted of representatives of CDTI (Spain), PLANETIC (Spanish Technology Platform for Adoption and Promotion of the Electronic, Communication and Information Technologies) and PLANETA (Spanish Technology Platform for Environmental Technologies) along with leading companies like Abengoa Water, Atos Spain, RussulaCorporacion, Nanoelectra, STA Solar, EptisaServicios de Ingenieria, Teldat, Ingeciber, Fresh Water Nature and research institutes like IMDEA Water.</p> <p>A bilateral session Spain - India was coordinated in the frame of the event with the objective of facilitating contacts and identification of common R&amp;D areas of interest and complementarities between the Spanish delegation and Indian counterparts.</p> <p>R&amp;D focused delegation from Spain to Hyderabad and Bangalore coordinated in collaboration with DBT (08-11/02/2016). 13-member delegation seeking for R&amp;D and business collaboration opportunities in the fields of biomedicine, health and medtech.</p>
<p><b>Student &amp; researcher mobility schemes open to Indians</b></p>	<ul style="list-style-type: none"> <li>• The Alliance of the 4 Universities (composed by Universidad Autónoma de Madrid + Universidad Carlos III de Madrid + Universidad Autónoma de Barcelona + Universidad PompeuFabra) have signed in 2010 an agreement with 6 Indian universities for promoting the mobility of students and researchers. Up to now, 39 exchange students, researchers and professors exchange programmes have taken place. See <a href="http://www.alliance4universities.eu/a4u/en">http://www.alliance4universities.eu/a4u/en</a></li> <li>• Research Excellence Programme Universidad Santiago de Compostela (USC) – India (PEIN), has launched in 2012 a call for stays (from 2 to 3 years) in the USC for 80 leading researchers from India and integrate them temporarily into the USC’s research group. See <a href="http://www.usc.es/en/gobierno/vrrelins/portal_internacional">http://www.usc.es/en/gobierno/vrrelins/portal_internacional</a></li> <li>• Exchange of post-doc, professors and researchers as part of the project NARILAR (from 1st April 2011 to 31st March 2015), under the European Programme PEOPLE (Marie Curie) between UniversitatRovira I Virgil (SPAIN), University of Lisbon, IIT Madras and NCL Pune. In 2011, 4 stays of 1 month in NCL Pune and IIT Madras and 2 stays of 3 months in UniversitatRovira I Virgil. In 2012 (so far 1 stay of 1 month duration at UniversitatRovira I Virgil by IIT Madras student and 1 stay of 1 month duration of professor of UniversitatRovira I Virgil at IIT Madras).</li> </ul> <p>UniversitatRovira I Virgil, Spain has recently signedanother agreement with Anna Universityfor mobility and exchange of post-docs, professors and researchers.</p> <p><a href="http://www.urv.cat/en_index.html">http://www.urv.cat/en_index.html</a></p> <ul style="list-style-type: none"> <li>• NCBS-inStem (India) - CRG (Spain) POSTDOCTORAL FELLOWSHIPS</li> </ul> <p><a href="http://pasteur.crg.es/portal/page/portal/Internet/05_TRABCONS/04_Postdoctoral%20Programme/NCBS-CRG">http://pasteur.crg.es/portal/page/portal/Internet/05_TRABCONS/04_Postdoctoral%20Programme/NCBS-CRG</a></p>

<http://www.ncbs.res.in/ncbs-instem-crg-post-doctoral-fellowship>

- International Exchange Programme School between the School of Economics and Business Administration (IESE), University of Navarra (Spain) and the Indian School of Business, Hyderabad (India). See <http://www.iese.edu/en/about-iese/alliances/>

#### **Initiatives Promoting Spanish Universities in INDIA:**

- In February 2011, the University Fair took place in New Delhi. 19 Spanish universities participated with the goal of attracting Indian students and researchers. The Fair was organized by Fundación Universidad.es, the Instituto Cervantes and the ICEX (Spanish Institute of Foreign Trade).
- The Embassy of Spain along with a delegation of institutions such as the Alliance 4 Universities (Autonomous University of Madrid, Autonomous University of Barcelona, University Pompeu Fabra and University Carlos III), the University of Santiago de Compostela and the University of Granada participated at the European Higher Education Fair coordinated by the EU Delegation with the collaboration of the MS during 29th November and 5th December 2014 in Delhi, Bangalore and Kolkata.
- The Embassy of Spain promoted and coordinated the participation of 8 Spanish universities (University Santiago de Compostela, University Pompeu Fabra, University Carlos III, University of Valencia, CEU Universities, University of Navarra, Universidad Pontificia de Comillas ICAI-ICADE and School of Tourism and Hospitality Management San Ignasi) at the European Higher Virtual Education Fair from (26<sup>th</sup>-29<sup>th</sup> November, 2015).

#### **Mobility Schemes open to nationals of 3<sup>rd</sup> countries:**

- Secretariat of State for Research, Development and Innovation, Spanish Ministry of Economy and Competitiveness.
  - Facilitate recruitment and incorporation of PhD graduates, technologists to technology and innovation centres, S&T parks, subsidiaries of Spanish companies abroad. See <http://www.idi.mineco.gob.es/portal/site/MICINN/>
- Spanish Ministry of Education, Culture and Sport:
  - Mobility Programme for Sabbatical Stays for senior and foreign professors and researchers at Spanish Institutions.
  - Mobility Programme for Stays of Young PhD Students in Spanish Centres
  - Mobility Stays for senior Spanish professors and researchers in foreign centres or as an exception Spanish centres.
  - Mobility Stays "Jose Castillejo" of young PhD students in foreign Centres.
  - Subprogramme for Postdoctoral Mobility in Foreign Centres.

<http://www.educacion.gob.es/educacion/becas-y-ayudas.html>

- Grants of the Spanish Agency for International Cooperation and Development (MAEC-AECID) for studies in Spain and abroad for Foreign and Spanish Nationals. See [http://www.aecid.es/es/convocatorias/becas/becas/becas\\_extranjeros1](http://www.aecid.es/es/convocatorias/becas/becas/becas_extranjeros1)

For research positions and fellowships in Spain: [www.euraxess.es](http://www.euraxess.es)

#### **Specific Programmes opened to international researchers:**

IKERBASQUE for POSTDOC Researchers ([www.ikerbasque.net](http://www.ikerbasque.net))

- M+VISION COFUND aimed at supporting the career development of researchers in Biomedical Imaging (<http://www.madrimasd.org/Empresas/mmasvision->

	<p><a href="http://cofund/docs/folleto_mmasvision-cofund.pdf">cofund/docs/folleto_mmasvision-cofund.pdf</a>)</p> <ul style="list-style-type: none"> <li>• TALENTIA POSTDOC FELLOWSHIPS (Incoming Mobility) / two-year fellowships, co-financed by the Marie Curie Program of the European Union, to experienced researchers. (<a href="http://www.juntadeandalucia.es/economiainnovacionyciencia/talentia/?q=node/11825">http://www.juntadeandalucia.es/economiainnovacionyciencia/talentia/?q=node/11825</a>)</li> </ul>
<p><b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b></p>	<p>The ISIP Programme towards its different initiatives with TDB, DBT; MNRE and DST-GITA promotes joint technology co-operation projects between India and Spain via industrial research, technological development and innovation. Cooperation projects should involve at least. Industry-driven and market-oriented R&amp;D projects. Submission of project proposals subject to calls throughout the year). The ISIP Programme works as per the principle of decentralized financing. At least one qualified partner from each side is required, meaning a company from Spain and an entity from India (company, research institute or other R&amp;D performing organization).</p> <p>23 projects have been certified under the ISIP Programme with a total budget of 23,3,7 million euro in sectors such as chemistry, human health, machine-tools, low voltage technologies, ICT and hot-melt technologies among others. Opened to any area of mutual interest and for the purpose of generating economic benefits for the partners. Despite this, following thematic areas have been identified as thrust sectors for Indo-Spanish Technology Co-operation under the ISIP Programme: Biotechnology, Information and Communication Technologies, Space Applications, Food Processing, Renewable Energies, Manufacturing Technologies.</p> <ul style="list-style-type: none"> <li>• Joint Calls for Proposals have been launched in 2012, 2013 and 2015 in the fields of biotechnology (with the Department of Biotechnology, India) and renewable energy (with the Ministry of New and Renewable Energy, India). Type of Proposals: Industry-driven and market oriented R&amp;D projects. Joint technological co-operation projects between researchers and companies in India and companies in Spain consisting in the development or substantial improvement of new products/processes or services. Launch of 4th Indo-Spanish Call for Industrial R&amp;D Proposals in Biotechnology foreseen in 2016.</li> <li>• In the frame of the PoC on Industrial R&amp;D between CDTI (MINECO, Spain) and DST-GITA (India), a 2 Requests for Industrial R&amp;D Proposals in 2013 and 2014 and 3 joint projects have been selected and considered eligible for funding. A 3rd Call in the fields of Clean technologies, ESDM technologies, Smart Cities, Materials and Advanced Manufacturing was launched in December 2015 and will be open until May 13th, 2016.</li> </ul>
<p>Main regular R&amp;I programmes open to Indian (and other) participants</p>	
<p><b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b></p>	<p>Spain is participating in the Eranet NEW INDIGO (FP7 INCO project). The Secretariat of State for Research, Development and Innovation (Spanish Ministry of Economy and Competitiveness) participates in the ERANET INNO INDIGO and INDIGO POLICY initiatives as a member of the Steering Committee and of the Platform of Funders.</p> <p>Spain participated at the Kick Off Meeting of Inno Indigo and Indigo Policy held in Delhi from 3-5/12/13. Similarly, CDTI – Spain’s National Innovation Agency, Ministry of Economy and Competitiveness has expressed its interest to the Secretariat and is internally exploring the possibility to participate as funding agency from Spain in</p>

	forthcoming Call with focus on Innovation under Inno Indigo IPP3 Bioeconomy.
<b>Further information</b>	<p><b>CONTACTS IN SPAIN</b></p> <p>Secretariat of State for Research, Development and Innovation, Ministry of Economy and Competitiveness (MINECO)  <a href="http://www.idi.mineco.gob.es/portal/site/MICINN/?lang_chosen=en">http://www.idi.mineco.gob.es/portal/site/MICINN/?lang_chosen=en</a></p> <p>Ms.Cristina Bauluz, Head of Area  International Relations and European Affairs  General Secretariat of Science, Technology and Innovation  Albacete, 5 – 5ª norte  28027 Madrid – Spain E-mail: <a href="mailto:cristina.bauluz@mineco.es">cristina.bauluz@mineco.es</a></p> <p>Ms. Estrella Fernandez, Deputy Director Assistant for International Projects  Directorate General of Scientific and Technical Research  Albacete, 5 – 5ª norte  28027 Madrid – Spain E-mail: <a href="mailto:estrella.fernandez@mineco.es">estrella.fernandez@mineco.es</a></p> <p>The Centre for the Development of Industrial Technology (CDTI), Ministry of Economy and Competitiveness (MINECO) <a href="http://www.cdti.es/index.asp?idioma=2&amp;r=1188*668">www.cdti.es/index.asp?idioma=2&amp;r=1188*668</a></p> <p>Mr. Ricardo Rubianes, National Contact Point for India  Centre for the Development of Industrial Technology  C/Cid 4, 28001 – Madrid, Spain  Phone: +34 91 581 55 00 ; E-mail: <a href="mailto:india@cdti.es">india@cdti.es</a></p> <p><b>CONTACT IN INDIA</b></p> <p>Embassy of Spain in New Delhi, India  <a href="http://www.exteriores.gob.es/Embajadas/NUEVADELHI/en/Embajada/Pages/inicio.aspx">www.exteriores.gob.es/Embajadas/NUEVADELHI/en/Embajada/Pages/inicio.aspx</a></p> <p>Mr. Adrián Gutiérrez  Science and Technology Counsellor  Embassy of Spain to India</p> <p>Chief Representative of CDTI – India &amp; Southeast Asia  Ministry of Economy and Competitiveness  12, Prithviraj Road, New Delhi – 110 003, India  Phone: +91 4129 3000 - Fax: +91 4129 3020 - E-mail: <a href="mailto:adrian.gutierrez@cdti.es">adrian.gutierrez@cdti.es</a></p>



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<p>An Agreement between the Government of the Kingdom of Sweden and the Government of the Republic of India on cooperation in the fields of science and technology was signed in 2005 and covers all the fields of science and technology.</p> <p>It is implemented by the Ministry of Science &amp; Technology of the Government of India on the Indian side, and the Ministry of Education, Research and Culture of the Government of Sweden on the Swedish side. A Steering Committee meeting is organised every year alternately in Sweden and India.</p> <p>The first Protocol of Cooperation in the field of S&amp;T was signed in 2007, and renewed in 2010 and 2013, by the Swedish Governmental Agency for Innovation Systems (VINNOVA) and the Department of Science &amp; Technology (DST), Government of India.</p> <p>VINNOVA and DST had a call for joint research projects in the field of Embedded systems in 2010. Six 3-year projects were funded. A new call in the same field was held 2015 and four joint proposals were funded.</p> <p>A Programme of Cooperation between the Department of Biotechnology (DBT) and VINNOVA was signed in 2007. Areas for cooperation are: Medical biotechnology – Infection, Cardiovascular, Metabolic, Cancer; Innovative food; Bio devices and bioengineering; Environmental technology.</p> <p>A call for joint research projects on Biology, Diagnosis and Treatment of Tuberculosis was opened in 2008 and four joint 3-years projects were selected for funding and have been working between 2009-2013. A second call was opened in Jan 2013 together with the Swedish Research Council and eventually 8 projects were funded.</p> <p>VINNOVA and the Department of Information Technology (DIT) had a call for joint research projects in e-Health in 2008 and in this programme two 3-year projects were selected for funding selected for funding between 2009-2012.</p> <p>The Swedish Research Council signed an agreement with DST in January 2013 for a joint research program. The program covers all disciplines within medicine, natural sciences and engineering sciences. A call 2015-2016 was made in the areas of "e-Science for life science" and "Antimicrobial resistance in a one Health perspective". In addition to DST and The Swedish research council, this call was made jointly with The research Council Formas and VINNOVA. In the following years one more call within the same areas are planned. In addition to that two calls are planned within other areas to be agreed upon.</p> <p>The Swedish Research Council Formas signed an agreement with DST in February 2013 on a joint research program in Environmental technologies including clean technology &amp; Green Chemistry and Sustainable Science including climate change impacts on health, Energy, Water, and Urban smart cities.</p> <p>The Swedish Polar Research Secretariat and Earth System Science Organisation (GoI) signed a Letter of Intent for mutual collaboration in polar and ocean research in 2015.</p> <p>Sweden and India have also signed agreements in other areas in which opportunities for research and innovation cooperation are being explored, e.g.</p>
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	<ul style="list-style-type: none"> <li>• 2009 Healthcare and Public Health</li> <li>• 2009 Environment</li> <li>• 2010 Renewable Energy</li> <li>• 2015 Sustainable Urban Development.</li> </ul> <p>Under the Renewable Energy MoU the Swedish Energy Agency has funded researchers to work on micro grids, where geographical focus is on Andaman Islands. The aim is to replace diesel generators by environmental friendly solar power distributed in micro grids. The work is done in collaboration with the Ministry of New and Renewable Energy (GoI).</p> <p>Under the MoU on Healthcare and Public Health the Swedish Research Council for Health, Working Life and Welfare, Forte, signed an agreement with the Indian Ministry of Health and Family Welfare, represented by the Indian Council of Medical Research, ICMR, in June 2015 for a joint research program in the field of ageing and health. Topics of interest include demographic change and the impact of migration on physical and mental health and well-being of the elderly, forms and systems of care for the elderly, the use of ICT assistive technology and nutrition.</p>
<b>Priorities</b>	<p>There is great interest, demonstrated by ample activity under the government agreements. In addition there are many activities among individual universities and research institutes in Sweden to enhance S&amp;T collaboration with Indian institutions and researchers and many times individual institutions have agreements with Indian counterparts. The number of joint publications is growing and is almost amounting to 300 articles per year (Web of Science).</p>
<b>Joint research institutes / laboratories</b>	None
<b>Innovation or industry related activities</b>	<p>Development of innovation partnerships is highly prioritized and is explored, e.g. under the ministerial agreements. Seminars, workshops, and delegation visits have been arranged to strengthen innovation partnership between Swedish and Indian actors. Several Swedish companies, active in India, are engaged in this process. The Swedish Embassy arranges an annual cross-sectorial event, "Swedish-India Nobel Memorial Week" bringing together people from research, industry, government from Sweden and India under the overarching theme of Innovation.</p> <p>In the renewable energy area the Swedish Energy Agency is working together with the Indian Ministry of New and Renewable Energy and the Bureau of Energy Efficiency. Together with the Confederation of Indian Industry the India Sweden Innovation Accelerator has been launched to facilitate technology transfer from innovative Swedish companies. See <a href="http://www.innovationsaccelerator.com/">http://www.innovationsaccelerator.com/</a></p>
<b>Student &amp; researcher mobility schemes open to Indians</b>	<p><b>Swedish Institute (SI)</b> SI administers over 500 Scholarship programs, searchable at the "Study In Sweden" web site: <a href="http://www.studyinsweden.se">http://www.studyinsweden.se</a></p> <p><b>FORTE, the Swedish Council for Health, Working Life and Welfare</b> Indian researchers can apply for Fortes calls for proposals if they are associated with a Swedish university and cooperate with Swedish researchers. Fortes Incoming visiting researcher grant is designed for international researchers to visit Sweden. Visit <a href="http://www.forte.se/en">www.forte.se/en</a> to keep updated.</p>

	<ul style="list-style-type: none"> <li>• <b>Formas mobility support for young scientists</b>  <b>Outline</b> The purpose is to encourage young researchers to broaden their horizon and visit other research environments different from the one where they got their doctoral degree.  <b>Organisation</b> Swedish Research Council Formas  <b>Nationalities</b> Applicants must be employed by a Swedish university or college  <b>Duration</b> Up to three years  <b>What is funded</b> Salary and travel expenses  <b>Research fields</b> Environment, Agricultural Sciences, Building Sciences and Spatial Planning  <b>Career stage</b> Younger post-doctoral researchers. The person concerned must have been awarded her/his doctoral degree within the previous 3 years  <b>Others</b> Annual call.  <b>Web page</b> <a href="http://www.formas.se/en/">http://www.formas.se/en/</a> </li> <li>• <b>Linnaeus-Palme Programme</b>  <b>Outline</b> Exchange programme for teaching staff and students at university first-cycle (undergraduate) and second-cycle (graduate) level that aims to strengthen Swedish educational institutions' cooperation with universities in developing countries in order to expand and increase global contacts within higher education. The Swedish department is responsible for the project and only Swedish universities can apply.  <b>Organisation</b> International Programme Office for Education and Training  <b>Nationalities</b> Swedish and other nationalities like Indian.  <b>Duration</b> Project: 8 years, teacher exchange: 3-8 weeks, student exchange: 12-40 weeks  <b>What is funded</b> For teachers: Travel expenses economy ticket and daily subsistence allowance according to the Swedish National Tax Board's rules  <b>Research fields</b> No research, only teaching. The programme is open to all subject areas.  <b>Web page</b> <a href="http://utbyten.se">http://utbyten.se</a> </li> <li>• <b>"Study in India" Program</b>  In cooperation with Indian partners, the <a href="#">Nordic Centre in India</a> arranges summer courses and training programs that are tailor-made for students from the Nordic member universities  <b>Web page:</b> <a href="http://www.nordiccentreindia.com/study-in-india.php">http://www.nordiccentreindia.com/study-in-india.php</a> </li> </ul>
<b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b>	Under the Indo-Swedish research agreement joint calls for proposals between Swedish and Indian organisations are announced from time to time. They will be advertised on the participating organisations' web pages.
<b>Main regular R&amp;I programmes open to Indian (and other) participants</b>	All calls for proposals are announced on the webpages' of the Swedish Research Councils and Agencies (see links below).
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	Swedish researchers are actively participating in Horizon 2020 funded multilateral collaborative projects involving Indian researchers.

<p><b>Further information</b></p>	<p>FORTE, the Swedish Council for Health, Working Life and Welfare: <a href="http://www.forte.se/en/">http://www.forte.se/en/</a></p> <p>Swedish Research Council Vetenskapsrådet: <a href="https://www.vr.se/inenglish">https://www.vr.se/inenglish</a></p> <p>The Swedish Research Council Formas: <a href="http://www.formas.se/en/">http://www.formas.se/en/</a></p> <p>VINNOVA, the Swedish Governmental Agency for Innovation Systems: <a href="http://www.vinnova.se/en/">http://www.vinnova.se/en/</a></p> <p>The Swedish Energy Agency: <a href="http://www.energimyndigheten.se/en/">http://www.energimyndigheten.se/en/</a></p> <p><a href="http://www.rymdstyrelsen.se/en/">The Swedish National Space Board: http://www.rymdstyrelsen.se/en</a></p> <p>Swedish South Asian Studies Network: <a href="http://www.sasnet.lu.se/">http://www.sasnet.lu.se/</a></p> <p>Nordic Centre in India: <a href="http://www.nordiccentreindia.com/">http://www.nordiccentreindia.com/</a></p> <p>The Office of Science and Innovation at the Embassy of Sweden in New Delhi: <a href="http://www.swedenabroad.com/en-GB/Embassies/New-Delhi/Business/Science-and-Technology/">http://www.swedenabroad.com/en-GB/Embassies/New-Delhi/Business/Science-and-Technology/</a></p> <p><b>Person to contact</b> at the Swedish Embassy in India:  Dr. Andreas Muranyi Scheutz, Counsellor, Science and Innovation  Office of Science and Innovation  +91 11 44 19 71 34 – <a href="mailto:andreas.muranyi-scheutz@growthanalysis.se">andreas.muranyi-scheutz@growthanalysis.se</a></p>
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## THE NETHERLANDS [2012]



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<p>The current collaboration between the Netherlands Ministry of Economic Affairs, Agriculture and Innovation and the Indian Ministry of Science and Technology was formalized through a MoU on ministerial level in 2008. Our collaboration under the MoU is open to bilateral R&amp;D projects, exchange of scientific information, researchers and technical experts, organization of bilateral meetings and joint use of research facilities.</p> <p>Coordination under the MoU is through a joint committee meeting, which is organized once a year at DG/Secretary level. Hosting of the meeting alternates between the Netherlands and India.</p> <p>Four priority areas have been defined: Water, New and Renewable Energy, Life science and Health, Food and Nutrition.</p> <p>2009 saw the creation of two programs of cooperation under the MoU. One with DST and the Dutch Innovation funding agency NL focused on Industrial R&amp;D and one between DST and The Netherlands Organization for Scientific Research (NWO) focused on joint scientific research.</p> <p>In 2011 One additional PoC has been added to the MoU focused on joint projects with the Department For Biotechnology DBT. The topics for collaboration under the PoC include: Plant sciences and Related Biotechnology, Life sciences and Health and Food &amp; Nutrition.</p>
<p><b>Priorities</b></p>	<p>The general shift in innovation policy in the Netherlands towards an increasing emphasis on public private partnerships is also apparent in our bilateral cooperation with India. Two of our PoC's under the MoU on science and technology have this emphasis. Moreover, it is also a focus in the Dutch India Water Alliance for Leadership Initiative (DIWALI)</p>
<p><b>Joint research institutes / laboratories</b></p>	
<p><b>Innovation or industry related activities</b></p>	<p>Innovation through Public Private Partnerships are a focus of the collaboration we would like to start with DBT under the Program of Cooperation signed in November 2011.</p>
<p><b>Student &amp; researcher mobility schemes open to Indians</b></p>	<p><b>Visitors Travel Grant (NWO)</b>                  Researchers in the Netherlands can apply for a visitors grant for the benefit of highly qualified foreign senior researchers holding a PhD for a stay of a maximum duration of 12 months.</p> <p><b>Innovational Research Incentives Scheme (NWO)</b>                  The Innovational Research Incentives Scheme has been set NWO, KNAW and the Dutch universities. The aim is to promote innovation in the academic research field. The scheme is directed at providing encouragement for individual researchers and gives talented, creative researchers the opportunity to conduct their own research programmed independently and promote</p>

	<p>talented researchers to enter and remain committed to the scientific profession. The program is open to people of any nationality.</p> <p><b>Netherlands Fellowship Programme (Nuffic)</b>  The Netherlands Fellowship Programme (NFP) is designed to promote capacity building within organizations in 61 countries by providing training and education to mid-career staff.</p>
<b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b>	
<b>Main regular R&amp;I programmes open to Indian (and other) participants</b>	Joint calls.
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	The Netherlands Organization for Scientific Research NWO is a participant in New Indigo. NWO also participates in the multilateral European-Indian Research Networking Programme In social science with the ICSSR.
<b>Further information</b>	<a href="http://www.hollandinindia.org">www.hollandinindia.org</a> <a href="http://www.nuffic.nl/international-students/">http://www.nuffic.nl/international-students/</a> <a href="http://www.nwo.nl">www.nwo.nl</a> <a href="http://www.agentschapnl.nl">www.agentschapnl.nl</a>



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<ul style="list-style-type: none"> <li>• The India-UK <b>Science and Innovation Council</b> is a joint ministerial bilateral forum between the UK and India designed to take forward bilateral engagement in science, technology and innovation. It meets biennially to provide strategic direction to the science and innovation partnership between the two countries. Its terms of reference are <i>"to develop further a strategic science, technology and innovation bilateral relationship and agree vehicles to enhance cooperation in areas of mutual interest"</i>.  The creation of the Council was agreed in 2005 in the context of the India-UK joint Declaration towards <i>'Towards a new and dynamic partnership'</i> signed by both Prime Ministers in 2004, in order to enhance the existing collaboration in science, technology and innovation. The first meeting was held in London (June 2006). The UK's Department for Business, Innovation and Skills and India's Department of Science and Technology take the lead, but other key research and innovation organisations play a role, attend meetings and implement the outcomes. The formal UK-India agreement on S&amp;T dates from 1996.</li> <li>• UK Department of Business Innovation and Skills (BIS) and Ministry of Science &amp; Technology (DST) signed an MoU on 12th November 2014, to support the research and innovation capacity for long term sustainable growth through a joint programme known as the "Newton-Bhabha Programme". The UK has committed £10m a year for 5 years (100 Crore Rupees a year) to working with India. Our ambition is to create an equal partnership with equivalent resources from India. The MOU will support the existing and new research and innovation capacity of the participants for long term sustainable growth under the three strands of People, Research and Translation. In December 2015, UK Minister for Universities and Science announced the extension of Newton funding until 2021 in New Delhi.</li> <li>• UK India Education Research Initiative (UKIERI) is a bilateral programme working towards strengthening the educational links between India and the UK through developing and delivering projects that meet the priorities of both countries. UKIERI is funded from the UK by Department for Business, Innovation and Skills, Foreign and Commonwealth Office, British Council, Scottish Government, Welsh Government and Department for Employment and Learning and from India by Ministry of Human Resource Development, Department for Science and Technology, Ministry of Skill Development and Entrepreneurship, Ministry of Labour and Employment, University Grants Commission and All India Council for Technical Education. Ministry of Skill Development and Entrepreneurship and Association of Colleges formally joined the UKIERI Board from March 2015.  The aim of Phase 1 (2006- 2011) of the programme was to establish UKIERI as a framework to enable a step-change in the UK-India relationship on education and research. Phase 2 (2011-2016) then narrowed the focus by working on thematic areas mutually agreed by both countries. It reached out to larger numbers and supported partnerships across four strands: Leadership, Innovation, Skill Development and Mobility; with the aim to drive value through strategic and system driven projects. Phase 3 (2016 - 2021) of UKIERI has been agreed by both the UK and Indian governments and will build on the achievements of the previous two phases.</li> <li>• Research Councils UK India, based at the High Commission in Delhi, plays a key role in enhancing the UK-India relationship in science and research. Since 2008, RCUK, the Government of India and their partners have together invested £200 million in co-funded research programmes. RCUK India has facilitated an impressive portfolio of:</li> </ul>
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- Over 90 high- quality, high impact UK-India research projects
- Involving over 100 industry partners.

Through these research programmes, RCUK India enables a strong, strategic and mutually beneficial partnership with India. The team represent the full remit of science and research and the co-funded collaborations include social sciences, humanities, climate change, energy technologies, next generation IT networks and food security. On an operational level, individual research councils collaborate with Indian partners under the aforementioned UK-India S&T agreement, however, there also exist some specific MOUs between the two sides. These are:

- Arts and Humanities Research Council (AHRC) and Indian Council of Historical Research (ICHR)
  - Economic and Social Research Council (ESRC) and Indian Council of Social Science Research (ICSSR)
  - Medical Research Council (MRC) and Indian Council of Medical Research (ICMR)
  - Natural Environment Research Council (NERC) and India's Ministry of Earth Sciences (MOES)
- UK's Royal Society and India's Department of Science and Technology have a funding for joint scientific seminars. This includes funding the organisation of a small 3-day scientific meeting to bring together groups of mid-career scientists from India and the UK for the purpose of scientific discussion, to promote collaboration and knowledge transfer by encouraging interaction within the wide research community. These scientific meetings would take place in either the UK or India. Please note that these are currently on hold but the intention is to continue them.
  - UK's Department for International Development (DFID) Research and Evidence Division set up its first overseas unit: the South Asia Research Hub in New Delhi in 2010. The Hub works closely with DFID Country Offices and research partners in the region to improve the use of evidence in DFID country programmes, develop new research, support capacity building, and create new partnerships to support research aimed at solving regional and global development problems. DFID South Asia Research Hub (SARH), DFID India and Research Councils UK have developed a Global Research Partnership (GRP) programme with the Government of India. The GRP will fund high quality, high impact collaborative research of relevance in India and low-income countries to address major global development challenges on food, health and women. By harnessing the UK and India's strengths in research, it will generate, test and use new evidence to support better global policy and practice across these themes. The first call on Women and Child Health with the UK's Medical Research Council and India's Dept of Biotechnology resulted in a strong response from the research community and combined UK investment of over £6million. A workshop to bring researchers together to develop proposals on the theme of 'aquaculture' was held in February 2015 in a collaboration between UK's Biotechnology and Biological Sciences Research Council and India's Dept of Biotechnology.
  - MoU signed between UK design council and the India design council in November 2013 to enhance understanding of emerging trends, design domain developments, sharing of design knowledge and resources through focused activities.
  - UK's Ministry of Defence (DSTL) has a letter of agreement (2011) with Indian Defence Research and development organisation (DRDO) to conduct research, technology development and testing of defence related technologies.
  - The UK Space Agency and Indian Space Research Organisation signed a MoU in 2011 to do joint activities including access to the facilities, launch of satellites and trainings.

	<ul style="list-style-type: none"> <li>• UK's Department for Environment, Food and Rural Affairs along with Indian Department of Biotechnology are partners in EU's STAR-IDAZ global network on infectious diseases of animals and zoonoses research.</li> <li>• The Royal Society of Chemistry has an office established in Bangalore since 2010. The areas of interest include joint research collaborations, industry-academia partnerships, innovation, and career development and develop talent.</li> <li>• The India Science and Innovation team based in the British High Commission and Deputy High Commissions work with UK and Indian partners to deliver new partnerships and collaborative programmes.</li> <li>• Some of the MoUs between Indian Institutions and the University of Edinburgh:             <ol style="list-style-type: none"> <li>1. University of Delhi: Student Mobility, Joint teaching and joint research</li> <li>2. Kerala Veterinary and Animal Sciences University: partnership in Livestock Health and Wildlife</li> <li>3. The Corbett Foundation: partnership in Wildlife Conservation and Livestock Health</li> <li>4. Jawaharlal Nehru University: research partnerships</li> </ol> </li> <li>• The Indian Nano Mission has signed an agreement with ISIS in 2015 to access neutron source and do joint research in material science.</li> </ul>
<p><b>Priorities</b></p>	<ul style="list-style-type: none"> <li>• In the most recently held meeting of the <i>UK-India Science &amp; Innovation Council</i>, in November 2014, the following Grand Societal Challenges were formally incorporated for joint collaborations under the Newton Bhabha MoU -             <ul style="list-style-type: none"> <li>• Sustainable Cities and Urbanisation</li> <li>• Energy-Water-Food Nexus</li> <li>• Public Health and Well-Being</li> </ul> </li> <li>And two underpinning capabilities –             <ul style="list-style-type: none"> <li>• High Value Manufacturing (HVM)</li> <li>• Big Data</li> </ul> </li> </ul>
<p><b>Joint research institutes / laboratories</b></p>	<ul style="list-style-type: none"> <li>• Three UK-India joint centres of research funded in February 2015, by the UK's Medical Research Council and India's Department of Biotechnology under the UK-India Newton-Bhabha fund. These are:             <ol style="list-style-type: none"> <li>1. University of Cambridge and the National Institute for Research in Tuberculosis (NIRT),Chennai partnership on Anti-Microbial Resistant Tuberculosis</li> <li>2. University of Sheffield, University of Bradford and L V Prasad Eye Institute in India partnership to minimize indiscriminate use of antibiotics</li> <li>3. University of Cambridge and the National Centre for Biological Sciences in India partnership in Cancer Biology and Therapeutics</li> </ol> </li> <li>• The National Centre for Biological Sciences and the University of Edinburgh have jointly established a research centre in 2013 to probe disease mechanisms and seek out treatment strategies for intractable brain disorders through joint studies never attempted before in India.</li> <li>• The Institute for Stem Cell Biology and Regenerative Medicine (InStem), Bangalore, houses the Centre for Brain Development and Repair. <a href="http://instem.res.in/wadhvani-center/center-for-brain-development-and-repair">http://instem.res.in/wadhvani-center/center-for-brain-development-and-repair</a></li> <li>• Institutional Capacity Building Partnerships - 44 Institutional Capacity Building skill</li> </ul>

	<p>partnerships have been funded in UKIERI Phase 2. The partnerships are collaborating on developing capacity building programmes, training of trainers, curriculum development, certification and assessment thereby strengthening the delivery capacity of vocational and further education institutions. Over 90% of the partnerships have already concluded and have delivered on the projected outcomes</p> <ul style="list-style-type: none"> <li>• Community College Partnerships - 17 Community college partnerships jointly funded by UKIERI and AICTE have been facilitated to focus on pedagogical strategies, entrepreneurial skills, community engagement, and technology enrichment with focus on blended learning, strengthening quality assurance mechanisms and developing industry partnerships.</li> </ul>
<p><b>Innovation or industry related activities</b></p>	<ul style="list-style-type: none"> <li>• UK-India joint industrial R&amp;D projects are creating collaborative solutions to the economic development challenges and strengthening innovation systems, such as creating business-academia collaborations and creating business-business links between entrepreneurs and SMEs. Towards this, 2 successful rounds were announced in past two years with the focus areas: Cleantech Energy; Affordable healthcare; Advanced Manufacturing; Use of Information &amp; Communication Technologies (ICT). The 3rd round of the collaborative call was announced in November 2015 investing up to £3.4 million in collaborative industrial research and development projects that propose new commercial solutions to critical challenges impacting the socio-economic growth and development of India. The 3rd call will close 13 Apr 2016. For more information on this call, eligibility and how to apply, visit: <a href="https://interact.innovateuk.org/competition-display-page/-/asset_publisher/RqEt2AKmEBhi/content/india-uk-collaborative-industrial-research-and-development-competition-clean-tech-affordable-healthcare-and-ict">https://interact.innovateuk.org/competition-display-page/-/asset_publisher/RqEt2AKmEBhi/content/india-uk-collaborative-industrial-research-and-development-competition-clean-tech-affordable-healthcare-and-ict</a></li> <li>• Innovate UK, the Research Councils UK (RCUK) and the Government of India's Department of Biotechnology (DBT) have invested up to £10 million in collaborative industrial research and development projects that propose new commercial solutions to critical challenges impacting the socio-economic growth and development of India in relation to its agri-food sector. The aim of the competition is to bring together companies (small to medium-sized companies and/or larger businesses), research organisations, academics and other collaborators from India and the UK for the joint research and development of new solutions.</li> <li>• The Royal Academy of Engineering (RAEng) introduced the Leaders in Innovation Fellowships (LIF) programme under the Newton Fund in India in 2014. The programme brought together a cohort of 25 early stage entrepreneurs/innovators from India to the UK for an intensive 8 day residential course (February-March 2015) of training and mentoring in entrepreneurship and commercialization. The innovators were jointly selected by the Academy and the DST through the 'Power of Ideas' competition organized by the Economic Times. The 2nd round of this programme of is scheduled to be held in the UK in February 2016.</li> <li>• <b>Partnerships to promote Incubation</b> : DFID's support to Incubators, entrepreneurs and the start up ecosystem in India. <ul style="list-style-type: none"> <li>• INVENT (Innovative Ventures and Technologies for Development) is DFID programme which partners with Technology Development Board (TDB). It is a £ 5 million 'social venture incubation' support programme. Villgro has been identified as the management agency for this incubation support aimed at creating a viable social enterprise (for profit) pipeline for impact investments that will enable Scale and Impact in the 8 low income states of India (UP, MP, Bihar, Chhattisgarh, Jharkhand, Rajasthan, Orissa and West Bengal). The process of selecting Incubators and startups is underway.</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• In 2014, the UKIPO developed a copyright enforcement toolkit, which could be used as a ready reckoner for enforcement agencies to deal with copyright related crimes. The toolkit has been promoted at several events involving participation from police officers. Secondly, a study of the impact of copyright piracy in the publishing sector in India was commissioned, the results of which are available in the form of a publication.</li> <li>• UGC UKIERI Research Partnerships – In total, 60 partnerships have been jointly funded with University Grants Commission in Phase 2. The focus for 2015-2016 is on joint review of projects and dissemination of learnings to showcase the research outcomes and track partnership outputs and impact. Over 90% of the partnerships have already concluded and delivered the projected outcomes in terms of research output, joint publications and dissemination workshops.</li> <li>• DST UKIERI Research Partnerships - In total, 90 partnerships have been jointly funded with Department for Science and Technology in Phase 2. The focus for 2015-2016 is on joint review of projects and dissemination of learnings to showcase the research outcomes and track partnership outputs and impact. Over 90% of the partnerships are on track and expected to deliver on the targets. Many of these partnerships have already initiated new partnerships and are applying for new grants.</li> </ul>																																																				
<p><b>Student &amp; researcher mobility schemes open to Indians</b></p>	<table border="1"> <tr> <td colspan="2" style="text-align: center;"><b>Euraxess United Kingdom</b></td> </tr> <tr> <td>Outline</td> <td>Research positions &amp; fellowships in the UK; advice &amp; support on mobility to the country</td> </tr> <tr> <td>Web page</td> <td><a href="http://www.britishcouncil.org/new/euraxess/">http://www.britishcouncil.org/new/euraxess/</a></td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Research Councils UK India</b></td> </tr> <tr> <td>Outline</td> <td>Funding Opportunities. Also check the individual research council websites for further information.</td> </tr> <tr> <td>Web page</td> <td><a href="http://www.rcuk.ac.uk/international/offices/india/funding">http://www.rcuk.ac.uk/international/offices/india/funding</a></td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>AHRC Research Networking Scheme</b></td> </tr> <tr> <td>Outline</td> <td>To facilitate interactions between researchers and stakeholders through, for example, a short-term series of workshops, seminars, networking activities or other events.</td> </tr> <tr> <td>Organisation</td> <td>Arts and Humanities Research Council</td> </tr> <tr> <td>Nationalities</td> <td>Global</td> </tr> <tr> <td>Duration</td> <td>Up to 2 years</td> </tr> <tr> <td>What is funded</td> <td>Networking activities– UK led but funds available to support international participants</td> </tr> <tr> <td>Research fields</td> <td>Arts and humanities</td> </tr> <tr> <td>Career stage</td> <td>All</td> </tr> <tr> <td>Web page</td> <td><a href="http://www.rcuk.ac.uk/international/offices/india/funding">http://www.rcuk.ac.uk/international/offices/india/funding</a></td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>AHRC International Co-investigator Scheme</b></td> </tr> <tr> <td>Outline</td> <td>The AHRC are piloting an initiative to allow co-investigators (Co-I) based at overseas organisations on some proposals</td> </tr> <tr> <td>Organisation</td> <td>Arts and Humanities Research Council</td> </tr> <tr> <td>Nationalities</td> <td>Global</td> </tr> <tr> <td>Duration</td> <td>Varies</td> </tr> <tr> <td>What is funded</td> <td>Salary costs and T&amp;S</td> </tr> <tr> <td>Research fields</td> <td>Arts and Humanities</td> </tr> <tr> <td>Career stage</td> <td>All</td> </tr> <tr> <td>Web page</td> <td><a href="http://www.ahrc.ac.uk/funding/opportunities/internationalcoinvestigator/">http://www.ahrc.ac.uk/funding/opportunities/internationalcoinvestigator/</a></td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>BBSRC International Scientific Interchange Scheme (ISIS)</b></td> </tr> <tr> <td>Outline</td> <td>This scheme is to help scientists add an international dimension to their BBSRC funded research by making and establishing new contacts</td> </tr> </table>	<b>Euraxess United Kingdom</b>		Outline	Research positions & fellowships in the UK; advice & support on mobility to the country	Web page	<a href="http://www.britishcouncil.org/new/euraxess/">http://www.britishcouncil.org/new/euraxess/</a>	<b>Research Councils UK India</b>		Outline	Funding Opportunities. Also check the individual research council websites for further information.	Web page	<a href="http://www.rcuk.ac.uk/international/offices/india/funding">http://www.rcuk.ac.uk/international/offices/india/funding</a>	<b>AHRC Research Networking Scheme</b>		Outline	To facilitate interactions between researchers and stakeholders through, for example, a short-term series of workshops, seminars, networking activities or other events.	Organisation	Arts and Humanities Research Council	Nationalities	Global	Duration	Up to 2 years	What is funded	Networking activities– UK led but funds available to support international participants	Research fields	Arts and humanities	Career stage	All	Web page	<a href="http://www.rcuk.ac.uk/international/offices/india/funding">http://www.rcuk.ac.uk/international/offices/india/funding</a>	<b>AHRC International Co-investigator Scheme</b>		Outline	The AHRC are piloting an initiative to allow co-investigators (Co-I) based at overseas organisations on some proposals	Organisation	Arts and Humanities Research Council	Nationalities	Global	Duration	Varies	What is funded	Salary costs and T&S	Research fields	Arts and Humanities	Career stage	All	Web page	<a href="http://www.ahrc.ac.uk/funding/opportunities/internationalcoinvestigator/">http://www.ahrc.ac.uk/funding/opportunities/internationalcoinvestigator/</a>	<b>BBSRC International Scientific Interchange Scheme (ISIS)</b>		Outline	This scheme is to help scientists add an international dimension to their BBSRC funded research by making and establishing new contacts
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	with international counterparts.
Organisation	Biotechnology and Biological Sciences Research Council
Duration	Short Term Travel Award: Allows researchers to travel to initiate collaboration or prepare proposals with partners for international programmes Long Term Travel Award: For researchers to travel overseas for up to 12 months. Access Award: For stays of up to one month in another country to undertake a specific piece of work, access or gain access to new techniques or materials
What is funded	Travel and subsistence costs only, normally does not exceed £5,000.
Career stage	BBSRC-supported researchers are eligible
Web page	<a href="http://www.bbsrc.ac.uk/funding/filter/isis/">http://www.bbsrc.ac.uk/funding/filter/isis/</a>
<b>BBSRC India Partnering Awards</b>	
Outline	To set up partnership links between UK and India, and promote the exchange of scientists, particularly early career scientists. Next deadline to be confirmed for 2016
Organisation	Biotechnology and Biological Sciences Research Council (BBSRC)
Nationalities	UK and India
Duration	Up to 4 years
What is funded	Travel, subsistence and other activities, such as workshops or exchanges.
Research fields	Biotechnology and biological sciences
Career stage	All
Web page	<a href="http://www.bbsrc.ac.uk/funding/filter/india/">http://www.bbsrc.ac.uk/funding/filter/india/</a>
<b>BBSRC International Workshops</b>	
Outline	To stimulate joint working in topics important to BBSRC's strategy, to identify areas of commonality and explore the potential for international collaboration
Organisation	Biotechnology and Biological Sciences Research Council (BBSRC)
Nationalities	Global
Duration	One off workshops
What is funded	Workshop costs
Research fields	Biotechnology and biological sciences
Career stage	All
Web page	<a href="http://www.bbsrc.ac.uk/funding/filter/international-workshops/">http://www.bbsrc.ac.uk/funding/filter/international-workshops/</a>
<b>BBSRC David Phillips Fellowship</b>	
Outline	Early career fellowships: Annual Call to support early stage researchers from anywhere in the world to study in the UK. Next deadline tbc in 2016.
Organisation	Biotechnology and Biological Sciences Research Council
Nationalities	Global
Duration	5 years
What is funded	Personal salary and a significant research support grant
Research fields	Any area of science within the BBSRC portfolio
Career stage	Early career researchers
Web page	<a href="http://www.bbsrc.ac.uk/funding/filter/david-phillips/">http://www.bbsrc.ac.uk/funding/filter/david-phillips/</a>
<b>ESRC International Co-investigator</b>	
Outline	ESRC enables UK PIs to include international co-investigators from anywhere in the world on proposals to the majority of ESRC research funding schemes
Organisation	Economic and Social Sciences Research Council

Nationalities	Global
Duration	Varies
What is funded	Varies
Research fields	Social sciences
Budget	Varies
Web page	<a href="http://www.esrc.ac.uk/funding/guidance-for-applicants/inclusion-of-international-co-investigators-on-proposals/">http://www.esrc.ac.uk/funding/guidance-for-applicants/inclusion-of-international-co-investigators-on-proposals/</a>
<b>EPSRC overseas travel grants</b>	
Outline	Funds international costs for UK researchers
Organisation	Engineering and Physical Sciences Research Council
Nationalities	UK
Duration	Normally up to 12 months
What is funded	International T&S, salary and indirect costs for PI but not consumables and equipment, conference fee or sabbatical absences.
Research fields	Engineering and physical sciences
Budget	Varies.
Career stage	Open to any full-time investigator employed by a recognised UK research organisation
Web page	<a href="https://www.google.co.in/webhp?sourceid=chrome-instant&amp;ion=1&amp;espv=2&amp;ie=UTF-8#q=epsrc%20overseas%20travel%20grant">https://www.google.co.in/webhp?sourceid=chrome-instant&amp;ion=1&amp;espv=2&amp;ie=UTF-8#q=epsrc%20overseas%20travel%20grant</a>
<b>EPSRC funding for workshops</b>	
Outline	Workshops to exchange ideas and expertise internationally with the objective of exploring the possibility of more substantial future collaboration. Applications should come from a UK lead applicant.
Organisation	Engineering and Physical Sciences Research Council
Nationalities	UK
What is funded	Travel and accommodation expenses of UK participants and, for meetings in the UK, core meeting costs, travel and subsistence for organisers and keynote speakers.
Web page	<a href="http://www.epsrc.ac.uk/funding/howtoapply/routes/international/epsrcfunding/">http://www.epsrc.ac.uk/funding/howtoapply/routes/international/epsrcfunding/</a>
<b>NERC International Opportunities Fund</b>	
Outline	To enable NERC-supported researchers to forge, long-term partnerships with overseas scientists that add value to current NERC-funded science.
Organisation	Natural Environment Research Council (NERC)
Nationalities	Global
Duration	Varies
What is funded	Networking activities
Research fields	Environmental sciences
Career stage	All
Web page	<a href="http://www.nerc.ac.uk/research/partnerships/international/iof/">http://www.nerc.ac.uk/research/partnerships/international/iof/</a>
<b>Study in Britain Portal</b>	
Outline	A directory of scholarships to England, Scotland, Wales & Ireland for international students.
Web page	<a href="http://www.studyinbritain.com/info/scholarships.asp">http://www.studyinbritain.com/info/scholarships.asp</a>
<b>Royal Society – DST scientific seminars</b>	
Outline	Funding of scientific meetings for securing long-term sustainable funds for the continuation of their research collaboration.
Organisation	UK's Royal Society and India's Department of Science and

	Technology
Nationalities	UK and Indian
What is funded	To fund the organisation of a small 3 day scientific meeting to bring together groups of mid-career scientists from India and the UK for the purpose of scientific discussion, to promote collaboration and knowledge transfer by encouraging interaction within the wide research community. These scientific meetings would take place in either the UK or India.
Web page	<a href="http://royalsociety.org/India-UK-Scientific-Seminars/">http://royalsociety.org/India-UK-Scientific-Seminars/</a>
<b>Royal Society of Engineering – Research exchanges with China and India</b>	
Outline	Supports one or two way exchanges lasting from 3 months to 1 year between high quality engineering researchers.
Organisation	UK's Royal Society of Engineering
Nationalities	UK, Indian, Chinese
What is funded	To fund one or two way exchanges lasting from 3 months to 1 year between high quality engineering researchers.
Web page	<a href="http://www.raeng.org.uk/research/researcher/reci/">http://www.raeng.org.uk/research/researcher/reci/</a>
<b>British Academy - International Partnerships &amp; Mobility Scheme</b>	
Outline	The British Academy International Partnerships & Mobility Scheme provides funding opportunities for research collaborations between researchers in the UK and India
Career stage	Postdoctoral or equivalent
Organisation	The British Academy
Duration	One-year or three-years
What is funded	Research fields: Humanities & Social Sciences
Web page	<a href="http://www.britac.ac.uk/funding/guide/intl/International_Partnership_and_Mobility.cfm">http://www.britac.ac.uk/funding/guide/intl/International Partnership and Mobility.cfm</a>
<b>The Royal Society International Exchanges Scheme</b>	
Outline	The Royal Society International Exchanges Scheme is for scientists in the UK who want to stimulate new collaborations with leading scientists overseas through either a one-off visit or bilateral travel.
Organisation	The Royal Society
Duration	Up to 3 months, 1 year or 2 years
What is funded	up to £3,000 for one-off travel lasting up to 3 months; up to £6000 for multiple visits to be completed within 1 year (including a maximum of £1000 for research expenses); and up to £12,000 for multiple visits to be completed within 2 years (including a maximum of £2000 for research expenses) ; <b>Research fields:</b> Natural Sciences including Physics, Chemistry, Mathematics, Computer Science, Engineering, Agricultural, Biological And Medical Research, The Scientific Aspects of Archaeology, Geography and Experimental Psychology. <b>Career stage:</b> PhD or equivalent research experience
Web page	<a href="https://royalsociety.org/grants/schemes/international-exchanges/">https://royalsociety.org/grants/schemes/international-exchanges/</a>
<b>Global Partnership Fund (Main Programme Fund)</b>	
Outline	The GPF aims to support and promote science collaboration through the Science and Innovation Network located at the British Embassy. A variety of projects can be organised focusing on long-term sustainable relationships in science and innovation R&D with key

	partners around the world.
Organisation	Department for Business, Innovation & Skills
Nationalities	All Nationalities
Duration	Main funding round usually from October to February
What is funded	Seminars, Workshops, Missions
Web page	<a href="http://www.bis.gov.uk/">http://www.bis.gov.uk/</a>

### Newton International Fellowships

**Outline:** These Fellowships aim to attract the world's best postdoctoral researchers to the UK.

**Organisations:** The British Academy, The Royal Society and The Academy of Medical Sciences.

**Any**

**Duration:** The Fellowships run for two years in the UK.

**Research Fields:** Natural sciences, social sciences, humanities, engineering, medical sciences

**Budget & what is funded:** The Fellowship will consist of £24,000 subsistence and £8,000 research expenses per annum, and £2,000 relocation expenses for the duration of the award. As part of the package, Newton Fellows may be granted follow up funding worth £6,000 per annum up to 10 years after the fellowship has ended.

**Career Stage:** Postdoctoral researchers

The Royal Society and the Science and Engineering Research Board (SERB) signed a Memorandum of Understanding in December 2015 which provides for joint funding of 30 Newton International Fellowships over two years (15 per year) for Indian researchers coming to the UK.

**Application deadlines:** **The current round closes 9 March 2016.**

**Web page:** <http://www.newtonfellowships.org/>

### Newton Advanced Fellowships

**Outline:** The scheme support early to mid-career international researchers from partner countries who already have a track record with an opportunity to develop their research strengths and capabilities, and those of their group or network, through training, collaboration and visits with a partner in the UK.

**Organisations:** The British Academy, The Royal Society and The Academy of Medical Sciences.

**Duration:** The Fellowships run up to three years of support.

**Research Fields:** natural sciences, including: physics, chemistry, mathematics, computer science, engineering, agricultural, biological and medical research, the scientific aspects of archaeology, geography and experimental psychology and clinical or patient-oriented research.

**Budget & what is funded:** The fellowship provides up to £37,000 each year (for up to three years) including salary top up for the fellow (maximum £5,000); Research support to cover costs for studentships, staff, consumables or equipment (maximum £15,000); Travel and subsistence (maximum £12,000) to cover travel costs of the UK partner to the international partner and/or travel of the international partner to the UK; and Training to support the career development of the applicant and their research group or network (maximum £5,000).

**Career Stage:** PhD or equivalent research experience. Applicants should have no more than 15 years postdoctoral experience.

**Application deadlines:** The current round closes on 2nd March 2016 .

**Web pages:**

[http://www.britac.ac.uk/funding/guide/newton\\_advanced\\_fellowships.cfm?frmAlias=/newton%2Dadvanced%2Dfellowships/](http://www.britac.ac.uk/funding/guide/newton_advanced_fellowships.cfm?frmAlias=/newton%2Dadvanced%2Dfellowships/)

<https://royalsociety.org/grants-schemes-awards/grants/newton-advanced-fellowships/>  
<http://www.acmedsci.ac.uk/careers/funding-schemes/newton-advanced-fellowships/>

**The Wellcome Trust and India's Department of Biotechnology (DBT) Alliance Biomedical Research Careers Programme for India**

Outline The Wellcome Trust-DBT India Alliance provides opportunities for scientists and funds science across the full spectrum of biomedical research – from fundamental molecular and cellular studies through to clinical and public health research.

Organisation Wellcome Trust, DBT

Nationalities Indian (Special cases allowed also)

Research fields biomedical research

Career stage Scientists at key stages of their research careers

Web page <http://www.wellcomedbt.org/>

**Commonwealth Shared Scholarship Scheme**

Outline The Commonwealth Shared Scholarship Scheme is a joint initiative between the UK Department for International Development (DFID) and UK universities to jointly support scholarships for students from developing Commonwealth countries who would not otherwise be able to study in the United Kingdom. The School of Social and Political Science at the University of Edinburgh has four Commonwealth Shared Scholarships to offer for the 2014-2015 academic year in one of the following eligible subject areas:

- \* Africa and International Development
- \* African Studies
- \* International Development

Organisation Commonwealth Scholarship Commission

Nationalities Many, including Indians

Duration Varied

Career stage Undergraduate, Masters or PhD course

Web page <http://cscuk.dfid.gov.uk/apply/shared-scholarships/info-candidates/>

**Saltire Scholarship Program**

Outline Scotland's Saltire Scholarships programme is funded by the Scottish Government and managed by British Council in partnership with the Higher Education Sector in Scotland.

Organisation Scottish Government

Nationalities Indian, Canadian, Chinese, US

Duration One year

What is funded Tuition fees for any one year of study

Research fields priority sectors of creative industries, life sciences, technology, financial services and renewable and clean energy

Budget £ 2000

Career stage Undergraduate, Masters or PhD course

Web page <http://www.scotland.org/study-in-scotland/scholarships/saltire-scholarships>

**British Chevening Scholarships**

Outline The Chevening Scholarships provides scholarships to around 1000 leaders from over 130 countries to study in UK every year. The Chevening India Programme has, over the years, given an unique opportunity to over 2000 talented Indians to study in Britain, develop their skills and think of the UK as their partner of choice as they become opinion-makers in their own fields. This programme runs a

	<p>number of bespoke courses in a wide range of fields including politics, business, the media, civil society, religion and academia.</p> <p>Organisation FCO  Nationalities Many, including Indians  Duration Varied  What is funded Varied  Web page <a href="http://www.chevening.org/">http://www.chevening.org/</a></p>
<p><b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b></p>	<p>Since 2008 RCUK, the Government of India and their partners have together invested over £200 million in co-funded research programmes. RCUK India has facilitated an impressive portfolio of over 100 high-quality, high-impact UK-India research projects, involving over 90 industry partners. Through these research programmes, RCUK India enables a strong, strategic and mutually beneficial partnership with India. Examples include;</p> <ul style="list-style-type: none"> <li>• NERC-MoES call for a Research Programme on Sustainable Water Resources for Food, Energy and Ecosystem Services.</li> <li>• NERC-MoES-DBT-MRC call for a Research Programme on Atmospheric Pollution and Human Health in an Indian Megacity.</li> <li>• BBSRC-DBT Joint Virtual Centres on Agricultural Nitrogen.</li> <li>• ICMR-MRC Research Programme on Mental Health and Substance Abuse.</li> <li>• Innovate UK-RCUK-DBT call for a Research and Innovation Bridge on Food Processing. This programme will address this essential element of ensuring food security in India by developing affordable on farm food processing and packaging technologies and an effective cold chain. The 'Bridge' will bring together academia and industry in joint partnerships.</li> <li>• AHRC-ICHR call for a Research Networks on Urbanization and Heritage..</li> <li>• RCUK-NIUA Joint Virtual Network Centre on Sustainable Cities and Urbanization</li> <li>• EPSRC-DST Joint Virtual Centre on Clean Energy.</li> <li>• NERC-MoES Joint Virtual Centre on Water Security.</li> </ul> <ul style="list-style-type: none"> <li>• RCUK-DBT 5-Year Road Map for collaboration on global human, plant and animal health and other challenges.</li> <li>• Agreement between STFC and The Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR)</li> <li>• Memorandum of Understanding between STFC and Tata Institute of Fundamental Research (TIFR)</li> <li>• NERC-MoES South Asian Monsoon Programme – Announcement on the 2016 observational campaign in India</li> <li>• UK India Education Research Initiative – see under column of Cooperation framework with India</li> <li>• Joint programmes under the Newton Bhabha - see under Cooperation framework with India</li> </ul>
<p><b>Main regular R&amp;I programmes open to Indian (and other) participants</b></p>	<p>See mobility schemes above.</p> <p>The first UK-India Research &amp; Innovate Bridge on food processing between Innovate UK, the Research Councils UK (RCUK) and the Department of Biotechnology (DBT) invested up to £10 million for a period of 2 years in collaborative industrial research and development projects to stimulate innovation in response to India's agri-food challenges.</p> <p>The aim of the competition is to bring together companies (small to medium-sized companies and/or larger businesses), research organisations, academics and other collaborators from India and the UK for the joint research and development of new solutions to key socio-economic challenges, in the form of innovative products, processes or services.</p> <p>The deadline for stage 1 applications is on 27 January 2016. For more information on this call, eligibility and how to apply, visit <a href="https://interact.innovateuk.org/competition-display-page/">https://interact.innovateuk.org/competition-display-page/</a></p>

	<a href="/asset_publisher/RqEt2AKmEBhi/content/india%E2%80%93uk-research-and-innovation-bridges-competition-agri-food">/asset_publisher/RqEt2AKmEBhi/content/india%E2%80%93uk-research-and-innovation-bridges-competition-agri-food</a>
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	<p>Some of the recent such initiatives listed as below:</p> <ul style="list-style-type: none"> <li>• DFID’s South Asia Research Hub in Delhi covers 5 countries in the region and is supporting research on topics including: water resources, climate change, education, violence against women, urban services and governance, and food security. Specific initiatives include: ‘Sustainable Crop Production Research for International Development’ (SCPRID) that covers Sub-Saharan Africa besides South Asia and the ‘Global Research Partnership’ programme with the Government of India. The GRP will fund high quality, high impact collaborative research of relevance in India and low-income countries to address major global development challenges on food, health and women.</li> <li>• The relevant Indian funding agencies are among 22 partners (in 17 countries) of EU’s ‘STAR-IDAZ’ Global network on infectious diseases of animals and zoonoses research. Led by DEFRA on this programme, BBSRC is the other partner in UK.</li> <li>• DBT-BBSRC-ESRC-DFID Global Research Programme on Aquaculture. UK and India will work together in partnership with Low Income Countries in Africa and South Asia to generate new knowledge to enable more effective and sustainable management of farmed fish and shell fish.</li> <li>• DFID-DBT-MRC Global Research Programme on Childhood and Maternal Health and Nutrition. The UK and India will work together in partnership with Low Income Countries on childhood and maternal health and nutrition.</li> <li>• RCUK: Under the Global Research Partnership between RCUK-DFID and Government of India, BBSRC, DBT and DFID have in February 2015 launched a UK-India-Low-income-countries partnership in Aquaculture; while the Medical Research Council (MRC), DBT and DFID have also launched a programmed in Woman-and-Child Health between UK-India –Low-income-countries. Both these have been through funding from the Newton-Bhabha fund.</li> <li>• UK and India are both members for the Belmont Forum for environmental research, through the Natural Environment Research Council, UK and the Ministry of Earth Sciences respectively. <a href="http://www.nerc.ac.uk/research/international/belmont.asp">http://www.nerc.ac.uk/research/international/belmont.asp</a>.</li> <li>• UKIERI’s supported 18 trilateral research in partnership (TRIP) with the US to support multidisciplinary research projects between UK, US and Indian higher education institutions. This strand aimed to increase mobility of PhD and post doctoral students in all three countries, and develop sustainable institutional links between the institutions.</li> <li>• The Indian-European Research Networking program includes partners from India (ICSSR) in association with France (ANR), Germany (DFG), Netherlands (NWO) and UK (ESRC). The funding allows research groups to work more closely together in order to develop and complete internationally advanced collaborative research and publications.</li> </ul>
<b>Further information</b>	<p>In the context of research and innovation, many players from UK are currently engaging with India – in particular, FCO, RCUK, UKTI, DfID and the British Council all have major interests in this area.</p> <ul style="list-style-type: none"> <li>• <b>Science and Innovation Network, British High Commission</b>  <i>Main programmes and activities featured (includes joint programmes)</i>            Secretariat for the Indo-UK Science and Innovation Council  <a href="https://www.gov.uk/government/world/india">https://www.gov.uk/government/world/india</a></li> <li>• <b>Research Councils UK India</b></li> </ul>

*Main programmes and activities featured for all seven UK Research Councils*  
[www.rcuk.ac.uk/india](http://www.rcuk.ac.uk/india)

- **British Council**

Main programmes and activities featured  
[www.britishcouncil.in](http://www.britishcouncil.in)

- **UKIERI**

UK-India Education and Research Initiative – [www.ukieri.org](http://www.ukieri.org) ;

- **Department for International Development**

*Main programmes and activities featured (includes joint programmes)*  
DFID Regional Research Hub – [www.dfid.gov.uk/research/](http://www.dfid.gov.uk/research/);  
[www.research4development.info](http://www.research4development.info)

- **The Royal Society**

*Main programmes and activities featured (includes joint programmes)*  
Scientific Seminars Scheme; International Exchanges Scheme; Newton Fellowships  
(together with BA below) – [www.royalsociety.org](http://www.royalsociety.org); [www.newtonfellowships.org](http://www.newtonfellowships.org)

- **The British Academy**

*Main programmes and activities featured (includes joint programmes)*  
Newton International Fellowships, International Partnerships & Mobility  
[www.britac.ac.uk](http://www.britac.ac.uk)

- **The Royal Academy of Engineering**

*Main programmes and activities featured (includes joint programmes)*  
Particular emphasis on the energy sector – [www.raeng.org.uk](http://www.raeng.org.uk)

- **The Academy of Medical Sciences**

*Main programmes and activities featured (includes joint programmes)*  
Newton International Fellowship – [www.acmedsci.ac.uk](http://www.acmedsci.ac.uk)

- **The University of Edinburgh**

For further information: <http://www.ed.ac.uk/schools-departments/international-office>



<p><b>Cooperation framework with India (e.g. bilateral agreements)</b></p>	<p>India is identified as one of the prioritized countries for collaboration in the Norwegian Governments white paper on research, Meld. St. 18 (2012–2013) Long-term perspectives – knowledge provides opportunity and in the Government’s Strategy for cooperation on higher education and research with Brazil, China, India, Japan, Russia and South Africa (2016–2020) <a href="https://www.regjeringen.no/en/dokumenter/panorama/id2457714/">https://www.regjeringen.no/en/dokumenter/panorama/id2457714/</a> and through a separate strategy for Norway-India Cooperation in which research and higher education is highlighted <a href="http://www.regjeringen.no/upload/UD/Vedlegg/Utvikling/Indiastrategi_Norsk_engelsk_endelig.pdf">http://www.regjeringen.no/upload/UD/Vedlegg/Utvikling/Indiastrategi_Norsk_engelsk_endelig.pdf</a></p> <p>Since 2006 there is a government-to-government collaboration agreement on Science and Technology between India and Norway, administered by a Joint Working Group (JWG) on Science &amp; Technology between the Indian Department of Science and Technology (DST) and the Norwegian Ministry for Education and Research, facilitated by the Research Council of Norway.</p> <p>The Norwegian Ministry of Foreign Affairs and the Norwegian Embassy in India jointly finance a 10-year research programme to follow up on the Norwegian Government’s India strategy: Opportunities in Diversity (2009). This INDNOR programme is administered by the Norwegian Research Council. A roadmap for collaboration has been elaborated and there have been a number of joint workshops and calls for proposals the past years, please find more information on the INDNOR webpages: <a href="http://www.forskningsradet.no/indnor">http://www.forskningsradet.no/indnor</a>.</p>
<p><b>Priorities</b></p>	<p><b>Programme of Cooperation</b> (2012-15) specifies research priorities:</p> <ul style="list-style-type: none"> <li>▪ Climate research including ocean and arctic/polar research</li> <li>▪ Clean energy</li> <li>▪ Geotechnology and geohazards</li> <li>▪ Marine research – bioprospecting and polar research</li> <li>▪ Nano-science/ technology primarily related to clean energy and solar energy and medical issues</li> <li>▪ Vaccines – human and fish/ animal, including vaccination programmes and biotechnology of new vaccine development</li> <li>▪ Information and Communication Technologies</li> <li>▪ Glaciology</li> <li>▪ Medical research (cancer, diabetes, infectious diseases etc)</li> <li>▪ Social aspects of climate change related issues</li> </ul> <p>For 2016 are planned workshops and joint calls for Anti-microbial resistance, ICT and Bio-economy.</p>
<p><b>Joint research institutes / laboratories</b></p>	<p>None</p>
<p><b>Innovation or industry related activities</b></p>	<p>Under development.</p> <p>Planned participation in ERA-net Inno-Indigo Innovation call on Bio-economy</p>
<p><b>Student &amp; researcher mobility schemes open to Indians</b></p>	<ul style="list-style-type: none"> <li>• <b>RCN Visitors Travel Grants</b> (general, relevant for India)</li> <li>• <b>RCN Mobility Funding Database</b> Outline: A search scheme for information on available mobility grants Web page: <a href="http://www.stipendbasen.no/">http://www.stipendbasen.no/</a> then click EN (English) upper right</li> <li>• <b>Euraxess Norway</b> Outline: Research positions &amp; fellowships in Norway; advice &amp; support on mobility to the country.</li> </ul>

	Web page: <a href="http://www.euraxess.no">http://www.euraxess.no</a>
<b>Main bilateral R&amp;I initiatives or programmes specifically targeting Indian participants</b>	<p><b>INDNOR programme for research cooperation with India (2010-2019):</b>  a 5 M€/yr research programme for Indo-Norwegian research collaboration, administered by The Research Council of Norway (RCN)</p> <p>Funds Indo-Norwegian research projects up to 36 months of duration, workshops, exchanges, visits. Application by Norwegian research institution (contract partner) with Letter of intent from Indian research institution.</p> <p>What is funded: Salaries and/or travel/accommodation expenses and/or project expenses  Research fields: as specified under "Priorities".  Career stage: PhD students, postdocs and senior researchers</p> <p>Joint calls are agreed between The Research Council of Norway (RCN) and matching Indian research funding institution; and Dpt Science &amp; Technology (DST), Ministry of Earth Sciences (MoES), Indian Council for Medical Research (ICMR), India.  Joint project description by at least one Indian and one Norwegian research institution submitting the joint proposal to Indian funding institution and RCN, respectively with letter of intent from the other nation's project partner. JWG approves.</p>
<b>Main regular R&amp;I programmes open to Indian participants</b>	<p>All programmes in The Research Council of Norway (RCN) are in principle open to participation from any country, but foreign partners will need to establish cooperation with a Norwegian research institution and apply for funding through a joint application.</p> <p>International Partnerships for Excellent Education and Research (INTPART) <a href="http://www.forskningsradet.no/prognett-internasjonale-stipend/Homepage/1224066982949">http://www.forskningsradet.no/prognett-internasjonale-stipend/Homepage/1224066982949</a> will fund partnerships between Norwegian higher education and research institutions and excellent partners in prioritized counties. Special emphasis is on integrating higher education- and research, and may include business partners.</p> <p>The UTFORSK Partnership Programme is a Norwegian instrument for strengthening the linkage between higher education and research in international collaboration, and to increase cooperation between Norway and Brazil, China, <b>India</b>, Japan, Russia and South Africa. <a href="http://siu.no/eng/Programme-information/BRICS-and-Eurasia/UTFORSK/(view)/10339">http://siu.no/eng/Programme-information/BRICS-and-Eurasia/UTFORSK/(view)/10339</a></p>
<b>Trilateral or multilateral R&amp;I initiatives open to India</b>	<p>INNO Indigo: ERA-Net supporting networking and collaboration of calls</p> <p>Member of Belmont Forum</p>
<b>Further information</b>	<p><b>Norway's Science and Innovation Counsellor at the Royal Norwegian Embassy in New Delhi:</b>  Inger Midtkandal (<a href="mailto:inger.midtkandal@innovationnorway.no">inger.midtkandal@innovationnorway.no</a>) represents RCN and Innovation Norway in India.</p> <p><b>INDNOR Programme Coordinator at RCN:</b>  Marianne Jensen (<a href="mailto:mj@rcn.no">mj@rcn.no</a>) and Merethe Sandberg Moe (<a href="mailto:mm@rcn.no">mm@rcn.no</a>)</p> <p><b>EU initiatives relevant for India in which Norway takes part:</b>  - SFIC Task Force for coordination of European research towards big countries, including SFIC India Group.  - Horizon 2020</p>



<p><b>Cooperation framework with India</b></p>	<p>An agreement for <b>scientific and technological cooperation</b> was signed in 2003. It is implemented by the <i>State Secretariat for Education, Research and Innovation</i> the Swiss side, and the <i>Department of Science and Technology</i> on the Indian side. A Joint Steering Committee oversees the activities carried out under this agreement.</p> <p>A memorandum of understanding on <b>cooperation in the social sciences</b> was signed in 2012. It is implemented by the <i>University of Lausanne</i> on the Swiss side and the <i>Indian Council of Social Science Research</i> on the Indian side.</p> <p>The activities under the agreement mentioned above are implemented through the <b>Indo-Swiss Joint Research Programme</b>. The main implementing agencies for the programme are the <i>Swiss Federal Institute of Technology, Lausanne</i> (natural and exact sciences) and the <i>University of Lausanne</i> (social sciences). Calls for proposals in the natural and exact sciences are implemented by the <i>Swiss National Science Foundation</i> on the Swiss side.</p> <p>The <b>Indo-Swiss Collaboration in Biotechnology</b> is a bilateral research and product development programme, jointly funded and steered by the <i>Swiss Agency for Development and Cooperation</i> on the Swiss side and the <i>Department of Biotechnology</i> on the Indian side.</p> <p>The <b>Indian Himalayas Climate Adaptation Programme</b> is a capacity building and knowledge enhancement project jointly funded and steered by the <i>Swiss Agency for Development and Cooperation</i> on the Swiss side and the <i>Department of Science and Technology</i> on the Indian side.</p>
<p><b>Priorities</b></p>	<p>The priority areas for cooperation activities are determined by the Joint Steering Committee for the natural and exact sciences and the Joint Advisory Committee for the social sciences. The current areas of research which are supported are renewable energy research, translational medical research and biomedical technologies; and well-being.</p>
<p><b>Innovation or industry related activities</b></p>	<p>swissnex India, based in Bangalore, connects Switzerland and India in the fields of science, education, art and innovation. An initiative of the Swiss State Secretariat for Education and Research and Innovation (SERI) in association with the Swiss Federal Department of Foreign Affairs, swissnex India functions as an annex of the Consulate General of Switzerland in Bangalore.</p> <p>Swissnex India helps offers three services for Swiss innovators, entrepreneurs and SMEs: On-boarding and initial handholding, Start-up Advisory and Access to information and network.</p>
<p><b>Student &amp; researcher mobility schemes open to Indians</b></p>	<p>India is a priority country for the <b>Swiss Government Excellence Scholarships</b>. These scholarships provide graduates from all fields with the opportunity to pursue doctoral or postdoctoral research in Switzerland at one of the public funded university or recognised institution.</p> <p>In addition, several of the mobility schemes of the Swiss National Science Foundation are open to applicants from India. These include the Ambizione and</p>

	SNSF professorships for research in Switzerland and the International short visits programme for research stays in Switzerland.
<b>Main regular programmes open to Indian (and other) participants</b>	The Swiss National Science Foundation strives to facilitate and foster the international integration of the Swiss research community. It offers a range of funding schemes for this purpose. At international level, the SNSF plays an active role in initiatives and organisations whose aim is to promote research collaborations and improve conditions for researchers. The funding schemes are aimed at promoting cooperation between researchers in Switzerland and abroad without any geographic restrictions. International cooperation programmes support collaborative research projects with regions with specific needs.
<b>Trilateral or multilateral R&amp;I initiatives open to Indian participants</b>	
<b>Further information</b>	<ul style="list-style-type: none"> <li>• State Secretariat for Education, Research and Innovation: <a href="http://www.sbf.admin.ch/index.html?lang=en">http://www.sbf.admin.ch/index.html?lang=en</a></li> <li>• swissnex India: <a href="http://www.swissnexindia.org/">http://www.swissnexindia.org/</a> <a href="http://www.swissnexindia.org/services/for-startups/">http://www.swissnexindia.org/services/for-startups/</a></li> <li>• Indo-Swiss Joint Research Programme: <a href="http://indo-swiss.epfl.ch/">http://indo-swiss.epfl.ch/</a></li> <li>• Indo-Swiss Joint Research Programme in the Social Sciences: <a href="http://www.unil.ch/international/en/home/menuinst/indo-swiss-programme.html">http://www.unil.ch/international/en/home/menuinst/indo-swiss-programme.html</a></li> <li>• Indo-Swiss Collaboration in Biotechnology: <a href="http://iscb.epfl.ch/">http://iscb.epfl.ch/</a></li> <li>• Indian Himalayas Climate Adaptation Programme: <a href="http://www.ihcap.in/">http://www.ihcap.in/</a></li> <li>• Swiss Government Excellence Scholarships: <a href="http://www.sbf.admin.ch/themen/01366/01380/02593/index.html?lang=en">http://www.sbf.admin.ch/themen/01366/01380/02593/index.html?lang=en</a></li> <li>• Swiss National Science Foundation mobility schemes: <a href="http://www.snf.ch/en/funding/careers/Pages/default.aspx">http://www.snf.ch/en/funding/careers/Pages/default.aspx</a></li> <li>• Swiss National Science Foundation schemes for international collaboration: <a href="http://www.snf.ch/en/funding/directaccess/international/Pages/default.aspx">http://www.snf.ch/en/funding/directaccess/international/Pages/default.aspx</a></li> </ul>

## WEBSITES

### Websites of European Union member states relevant to R&I cooperation with India

EU Delegation to India [http://eeas.europa.eu/delegations/india/eu\\_india/research\\_innovation](http://eeas.europa.eu/delegations/india/eu_india/research_innovation)  
DG RTD's related page <http://ec.europa.eu/research/iscp/index.cfm?pg=india>

#### EU member states

Austria <http://www.bmeia.gv.at/>  
Belgium <http://www.diplomatie.be/newdelhi/>  
Bulgaria <http://www.bulgariaembindia.com/>  
Cyprus <http://www.mfa.gov.cy/>  
Czech Republic <http://www.mzv.cz/newdelhi/>  
Denmark <http://www.ambnewdelhi.um.dk/en>  
Estonia <http://www.vm.ee/>  
Finland <http://www.finland.org.in/>  
France <http://ambafrance-in.org/>  
Germany <http://www.india.diplo.de/science>  
Greece <http://www.greeceinindia.com/>  
Hungary <http://www.mfa.gov.hu>  
Ireland <http://www.irelandinindia.com/>  
Italy [http://www.ambnewdelhi.esteri.it/Ambasciata\\_NewDelhi/Menu/I\\_rapporti\\_bilaterali/Cooperazione+scientifica/](http://www.ambnewdelhi.esteri.it/Ambasciata_NewDelhi/Menu/I_rapporti_bilaterali/Cooperazione+scientifica/)  
Lithuania <http://in.mfa.lt/>  
Luxembourg <http://newdelhi.mae.lu/en>  
Malta <http://www.foreign.gov.mt/>  
Netherlands <http://india.nlembassy.org/>  
Norway <http://www.norwayemb.org.in/>  
Poland <http://www.newdelhi.polemb.net/>  
Portugal <http://www.portugal-india.com/en/>  
Romania <http://newdelhi.mae.ro/>  
Slovakia <http://www.mzv.sk/dilli>  
Slovenia <http://newdelhi.embassy.si/en>  
Spain <http://www.exteriores.gob.es/Embajadas/NUEVADELHI/en/Pages/inicio.aspx>  
Sweden <http://www.swedenabroad.com/>  
United Kingdom <http://ukinindia.fco.gov.uk/en/>

#### Countries associated to HORIZON 2020

Norway <http://www.norwayemb.org.in/>