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EURAXESS LINKS INDIA

Dear Colleagues,

It is my pleasure to present to you the sixth 2015 issue of the EURAXESS Links India Newsletter.

I hope that you will find this issue interesting and useful. Feel free to circulate it, asking your correspondents to [register](#) with EURAXESS Links so that they can receive future editions directly.

This issue includes information on the 3rd *global EURAXESS Science Slam* taking place in all EURAXESS Links countries. In India the competition will be launched on 10 July 2015. Participants will battle for the title of "EURAXESS India Science Slammer 2015" and a free round trip to Europe as 1st prize including meeting European Commission research officials, 1-day science communication training in Brussels and visit to a research institute of the winner's choice in the European Union.

In addition to the **EU Insight** on *The new Scientific Advice Mechanism (SAM)* you will find information on **News** related to research and innovation in Europe and India (e.g. opening of registration for the 6th edition of the "EU-India Science, Technology and Innovation (STI) Cooperation Days" and the *Young Scientist Competition*, focusing on Water for Health), a selection of **Grants and Fellowships** (including offers to host MSCA IF fellows), a collection of **Job opportunities** (over 7686 in **EURAXESS Jobs - including fellowships**) as well as information on upcoming **Events** (in Europe and India).

If you have any comments or remarks on the newsletter or the website, or if you would like to include an event or news item, please let us know. The monthly newsletter is meant to be a communication tool for its readers. Interacting with you is very important to us.

Ainhitze Bizkarralegorra-Bravo
Country Representative
EURAXESS Links India
india@euraxess.net



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EURAXESS Links India Newsletter is a monthly electronic newsletter, edited by EURAXESS Links India, which provides information of specific interest to European and non-European researchers in India who are interested in the European research landscape and conducting research in Europe or with European partners.

The information contained in this publication is intended for personal use only. It should not be taken in any way to reflect the views of the European Commission nor of the Delegation of the European Union to India.

Please email to india@euraxess.net for any comments on this newsletter, contributions you would like to make, if you think any other colleagues would be interested in receiving this newsletter, or if you wish to unsubscribe.

Editor: Ainhitze Bizkarralegorra Bravo,
EURAXESS Links India,
Country Representative



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1 EU Insight – The new Scientific Advice Mechanism (SAM)

How should independent scientific advice be institutionalised in the European Commission (EC) after the mandate of the EC Chief Scientific Advisor (CAS) came to an end in November 2014? For several months, the EC searched for ways to answer that question, studying the various science advisory models around the globe and the “particular needs and culture of the commission”.¹ Finally, in mid-May 2015, EC President Jean-Claude Juncker endorsed a new instrument for high quality, timely, independent scientific advice: the so-called **Scientific Advice Mechanism (SAM)** recommended by Commissioner Carlos Moedas, responsible for Science, Research and Innovation within the college of commissioners.

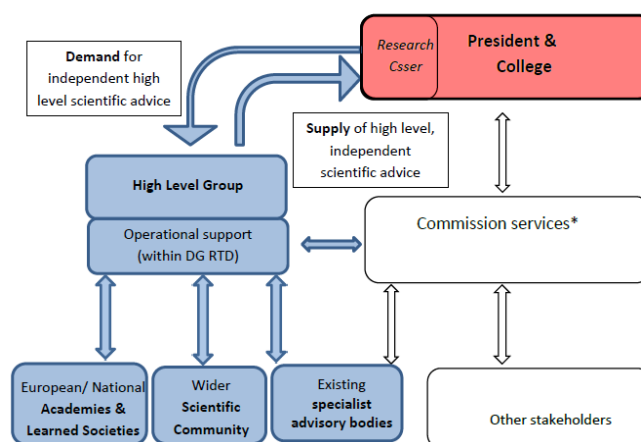
Scientific Advice across all policy areas

Key criteria of the new mechanism are **independence of institutional or political interests, bringing together evidence and insights from different disciplines and approaches, and transparency.**² For specific policy areas, the EC already has access to extensive scientific advice through 1) the Joint Research Centre (JRC) providing in-house scientific support, 2) external experts (groups, contracted studies, and standing, independent advisory committees), and 3) Horizon 2020 financed research projects in support of EU policies (societal challenges). However, the new mechanism is envisioned to provide timely, independent, high level scientific advice to meet needs **across all policy areas.**³

The Scientific Advice Mechanism’s features

This future mechanism will draw on the wide range of scientific expertise in Europe through a **close relationship with national academies and other bodies**, coordinated by a **High-Level Group of Independent Scientists.**⁴

Figure 1.1: SAM’s two main features are: (1) a structured relationship with scientific advisory bodies in Member States (e.g. national academies) – to benefit from the wealth of knowledge and expertise; (2) a High-Level Group of eminent scientists supported from within DG RTD – to improve the interaction with scientific community, and to ensure independence, scientific integrity, and transparency. The high-level group and the Commission services (incl. JRC) provide scientific advice to the EC president and the college of commissioners.



* Including the Joint Research Centre which provides in-house scientific support

Source: “A new mechanism for independent scientific advice in the European Commission.”



The group will consist of seven members, who can come from anywhere in the world, and who will receive operational support from within the Directorate-General for Research and Innovation (DG-RTD) in the form of a 20 to 25 person-strong secretariat. Commissioner Moedas' role will be that of a "intermediary" between the future high-level panel and the EC president as well as the EC commissioners.⁵

Implementation timeline

In the coming months, Commissioner Moedas's task will be to implement this new arrangement involving other Commissioners and making the most of effective cooperation between Commission services. The figure below is taken from the NCP Brussels website⁶, indicating the envisioned timeline for the set-up of the Scientific Advisory Mechanism until autumn 2015.

Figure 1.2: Timeline for the set-up of the Scientific Advisory Mechanism: May to December 2015.



Source: NCP Brussels.

According to *Science*, "The advisory panel's members will be recruited by a[n] [...] 'identification committee,' through a process modeled after the [European Research Council's search for scientific council members](#)".⁷

A budget of up to EUR 6 million of EU funding is envisioned to support the Scientific Advice Mechanism, but this has yet to be confirmed.

The mechanism will be in place by autumn 2015.

Sources and further information

¹ Alison Abbott. "European Commission unveils long-awaited science advice plans". *Nature*. 13 May 2015. <http://www.nature.com/news/european-commission-unveils-long-awaited-science-advice-plans-1.17557> . Accessed 23 June 2015.

² "President Juncker welcomes world-leading scientists, discusses role of science in competitiveness and announces new mechanism for scientific advice". European Commission. Press release. 13 May 2015. http://europa.eu/rapid/press-release_IP-15-4970_en.htm?locale=en . Accessed 22 June 2015. [European Commission, 2015a]

³ "A new mechanism for independent scientific advice in the European Commission." European Commission. <http://europa.eu/rapid/attachment/IP-15->



[4970/en/Science%20Advice%20Mechanism.pdf](#). Accessed 22 June 2015 [European Commission, 2015b].

⁴ European Commission, 2015a.

⁵ Rabesandratana, Tania. "Updated: European Commission to appoint seven to new high-level science advice panel", *Science*, 13 May 2015. <http://news.sciencemag.org/europe/2015/05/breaking-european-commission-create-new-high-level-science-advice-panel>. Accessed 22 June 2015.

⁶ The Scientific Advise Mechanism. NCP Brussels. News. 11 June 2015. <http://www.ncpbrussels.be/tools-and-information/news/236-the-scientific-advice-mechanism>. Accessed 22 June 2015. Accessed 23 June 2015.

⁷ Rabesandratana, 2015.



2 EURAXESS in India

2.1 EURAXESS Science Slam India 2015: Video submission period 10 July-20 September 2015

The 3rd global EURAXESS Science Slam, taking place in all the EURAXESS Links locations (ASEAN, Brazil, China, India, Japan and North America) is already [here](#). See the promotional trailer [here](#).



If you are creative, willing to share your research work or idea with others and looking for an opportunity in Europe to pursue your research career, this is for you! The competition is open to all career levels starting with MA/MSc candidates - from universities, research institutes or private sector, in all fields of research including Social Sciences and Humanities, Life Sciences and Engineering, of any nationality and age.

There are two ways to participate: one submitting a video during the online pre-selection phase, and the other one becoming part of the audience that will be choosing the winner this year in each EURAXESS Links location (six winners in total). The pre-selection phase will be open for nearly three months, whereas registration to be part of the audience will open one month before the live finals event.

The 1st prize this year will be the EURAXESS Science Slammer title and a round trip to Europe to meet European Commission officials and attend a 1-day science communication training in Brussels and to visit a research institute of the winner's choice in the European Union in 2016.

In India the event will be launched on 10 July 2015. The [EURAXESS Science Slam India 2015](#) will be organised in partnership with the [Indian Institute of Science](#) (IISc) and [IndiaBioScience](#) and with the support of [Alliance française Bangalore](#), [Finnair](#) and [Philips Innovation Campus](#). The latter are European organisations linked to France, Finland and the Netherlands respectively.

The video submission period will remain open between 10 July and 20 September 2015. The finalists (no more than five) will be invited to present his or her slam at the live finals in Bengaluru on Friday 30 October 2015 at Alliance française Bangalore. All finalists will win the trip to Bangalore and a short training on science communication prior to the finals in Mumbai.

It is possible to receive paper copies of the promotional poster (A2 size) and leaflet on request, sending an e-mail to india@euraxess.net (please indicate amounts per item, name and delivery address). Soft copies of both are also available.

For further details and Terms & Conditions for participating in this new edition of the EURAXESS Science Slam India, stay tuned [here](#).



2.2 EURAXESS Share Event in Kolkata: Registration opening on 24 July 2015

On 3 September 2015, EURAXESS Links India will be organising a one day event on “*Advancing Your Research Career in Europe: Funding and Fellowship Opportunities for Indian Researchers*” in Kolkata. The event includes two different activities in the same day: (i) a one day conference (9.30am-18.30pm) for master students, researchers and faculty *from all fields, including Social Sciences and Humanities, Life Sciences and Engineering* and (ii) a networking reception (19.30pm-21.30pm) for academic authorities and European diplomatic mission and research organisations hosted by the European Union Delegation to India. Prior registration will be required to attend the 1-day conference and invitation for the reception.

Participants at the one day event, by the end of the day will be better equipped to identify the research programme that awaits her or him in Europe. The programme includes plenary sessions, group discussion, one-to-one meetings and networking space. European countries/organisations that have so far confirmed their participation are the EU Delegation to India, France, Germany, Nordic countries, EMBO and EBTC.

Topics included in the programme:

- Research work in Europe – social sciences and humanities and pure sciences perspectives
- EURAXESS-Researchers in Motion – Gateway to European Research Area
- Marie Skłodowska-Curie fellowships (MSCA) – EU funded
- European Research Council Grants (ERC) – EU funded
- Networking lunch with European research experts
- Voice of Researchers under various European programmes
- Working group discussions on grant/programme hunting
- European grant management in a nutshell
- Fair of European countries/research agencies (all day)

This event is being organised with the support of Calcutta Research Group and three EURAXESS Links India community members based in Kolkata.

Online registration will open on 24 July 2015.

Follow the latest on EURAXESS Links India events [here](#).

You can follow the EURAXESS Links India events and EU Research & Innovation news on Facebook via the site of the Delegation of the European Union to India: [Facebook EU in India](#).



2.3 EURAXESS Links Satisfaction Survey 2014: Results online



The results of the latest annual survey on how EURAXESS Links services were perceived by the community members last year are online [here](#).

We would like to thank you for the time taken to contribute to the survey. It must be noted that EURAXESS Links India community provided the highest number of replies among all EURAXESS Links countries and regions. Your opinion is very valuable to us. Feel free to share your view and comments on our work any time contacting your local representative (i.e. Ainhitze Bizkarralegorra Bravo for India | Email: india@euraxess.net).

2.4 EURAXESS Links India on-site visits



The Country Representative can present the services offered by 'EURAXESS-Researchers in Motion' and cooperation and career opportunities with Europe on-site – at your university or your research institution, including European or Indian companies on the sub-continent.

If you wish to host such a presentation in your organization, please contact us at india@euraxess.net.

You may also contact us if you are near any of the locations listed below and wish to host another 'EURAXESS Info Day' session around the same date:

- In September, at BITS-Pilani K K Birla Goa Campus in **Zuarinagar** (Goa)
- In October, **Mumbai** (*possible to request a presentation*)
- Other cities on the agenda with no fixed date as of yet: Chennai, Nagkor, Aurangabad or Mandi.

3 News & Developments

3.1 EU, Member States and Associated Countries

3.1.1 Commission replies to European Citizens' Initiative against animal testing



The European Commission issued a Communication in response to the European Citizens' Initiative [Stop Vivisection](#). While sharing the conviction that animal testing should be phased out in Europe, the Commission considers it premature to repeal the current Directive on protecting animals used for scientific purposes, as the signatories of the initiative request. For the Commission, the Directive is needed to ensure a high level of protection of the animals used in research. The JRC actively supports the Directive, running the [European Union Reference Laboratory for Alternatives to Animal Testing \(EURL ECVAM\)](#) which develops, validates and promotes alternative approaches to animal testing.

[Read more](#) (Source: Joint Research Centre)

Microscopic examination of cells treated with cytotoxic chemicals.
© EU, 2015



3.1.2 World environment day: consume with care



The JRC supports global efforts to move towards a more sustainable consumption
© UNEP

The United Nations Environment Programme (UNEP) motto for this year's world environment day is "Seven billion dreams. One planet. Consume with care". It reminds us that the well-being of humanity, the environment, and the functioning of the economy ultimately depend upon the responsible management of the planet's natural resources. In this context, the JRC supports the EU's efforts to move towards a more competitive, resource-efficient [circular economy](#).

[Read more](#) (Source: Joint Research Centre)

3.1.3 23rd EUBCE marks the record of participating countries and confirms its global leading role for the bioenergy community



With 803 presentations by over 2,500 authors and co-authors, this year, the 23rd European Biomass Conference and Exhibition has marked the record number of 76 participating countries. In total, 1,394 participants attended the EUBCE and, as the hosting country, Austria ranked first by number of participants, followed by Germany, Italy and The Netherlands. An impressive 30% increase in the number of participants from Asian countries also showed the growing interest for biomass and bioenergy in this region.

[Read more](#) (Source: [EUBCE](#) and [Joint Research Centre](#))

Horizon 2020 SME Instrument Phase 2

Grant requested and number of SMEs per country
(March 2015 cut-off)

Country	Grant Requested (€ m.)	Number of SMEs
Spain	12,62	7
Finland	9,09	4
Israel	7,22	3
United Kingdom	7,05	4
Italy	6,68	6
France	6,24	4
Netherlands	5,11	4
Germany	3,59	2
Estonia	2,49	1
Slovenia	2,45	2
Denmark	1,89	1
Hungary	1,7	1
Sweden	1,41	2
Ireland	0,99	1
Total	68,53	42

3.1.4 Horizon 2020 kick-starts Bio-based industries in Europe with €50 million

The first ten projects of the new Bio-Based Industries Joint Undertaking (BBI JU), a partnership between the EU and industry, will get underway with a total of €50 million from Horizon 2020, the EU's research funding programme, and a further €28 million from the industry. This is thanks to the signature of the grant agreements finalised this month (15 June 2015).

[Read more](#) (Source: [What's New in Research & Innovation](#))

3.1.5 SME Instrument latest results: 42 innovative SMEs to share €68.5 million under Horizon 2020

42 SMEs from 14 countries have been selected in the latest round of Horizon 2020 SME Instrument Phase 2. For each project, the participants will receive up to €2.5 million (up to €5 million for health projects) to finance innovation activities and the development of their business plans. The



companies will also be entitled to benefit from up to 12 days of [business coaching](#).

The European Commission received 614 proposals under Phase 2 by the first cut-off date of 2015 on 18 March. 230 received an evaluation score above the application threshold and 37 or 16.1% have been selected for funding.

Spanish SMEs have once again been particularly successful with 7 beneficiaries on track to receive over €12.6 million. They are closely followed by firms from Italy, Finland, France, Netherlands and the UK.

Since the launch of the programme on 1st January 2014, 214 SMEs from 22 countries have been selected under Phase 2 of the SME Instrument sharing more than €294 million.

Read more (Source: [European Commission - Research & Innovation – Press Centre](#))

3.1.6 MONTHLY FOCUS - Robots at the wheel

Could self-driving cars ever really replace human drivers? How will they interact with other traffic? Who would be liable in the event of an accident?

As self-driving cars accelerate towards reality, we explore some of the key questions surrounding the future of automated transport. We find out that city-dwellers could soon be transported around the streets in automated pods, whereas those that live in the country will depend more and more on their car to perform routine tasks such as parking and cruising on the motorway.

We talk to the researchers who are designing ways for automated cars to talk to each other so they can switch lanes, cross junctions and organise into platoons without the help of humans.

We also explore how the EU is teaming up with the US and Japan to share ideas and make self-driving cars a global reality, and how one of the next big challenges is to come up with a set of rules and regulations before self-driving systems can be introduced.

[Read more](#) (Source: HORIZON The EU Research & Innovation Magazine)

3.1.7 SPACE - First light from far-away planet shines the way to new earths

It isn't easy to spot planets far away in our galaxy – normally we can only infer their presence, from the effect they have on their host stars. But now a group of astronomers has demonstrated an easier way to study distant worlds, by detecting the first visible light reflected off an exoplanet.

According to group member and PhD student Jorge Martins at the University of Porto in Portugal, seeing the exoplanet like this was rather like looking at a streetlamp one hundred metres away, and being able to glimpse a moth flying right next to it.



The star 51 Pegasi is in the northern constellation of Pegasus, also called The Winged Horse. Image ESO/Digitized Sky Survey 2.



[Read more](#) (Source: HORIZON The EU Research & Innovation Magazine)

3.1.8 HEALTH - Glove-like device gives artificial hands a sense of touch



The glove can enable amputees to pick up fragile objects. Image Credit: The BioRobotics Institute, Scuola Superiore Sant'Anna, Pisa, Italy.

Researchers say they have made the first device that can give artificial hands sensory feedback without needing to be implanted into the skin.

There is already technology that can give sensory feedback to people with false hands, but it requires that a nerve interface is implanted into their arm.

Now, European researchers on the WAY project have developed a method of enabling prosthesis wearers to feel when they have grasped something by using vibrations.

[Read more](#) (Source: HORIZON The EU Research & Innovation Magazine)

3.1.9 EU and Japan step up cooperation on 5G mobile technology and strengthen research and innovation collaboration

With the new 5G agreement, the EU will join forces with Japan to cope with the increasing need for wireless Internet and complement current efforts to create a [Digital Single Market](#) in Europe.

Günther H. Oettinger, European Commissioner for Digital Economy and Society said: "5G will be the backbone of our digital economies and societies worldwide. This is why we strongly support and seek a global consensus and cooperation on 5G. Our agreement with Japan is a milestone on the road to a global definition of 5G, its service characteristics and standards. It shows that our countries are ready to take leadership in building our digital future."

The agreement will allow EU and Japan to work towards a common understanding and standards of 5G, identify new harmonised radio band frequencies for 5G spectrum and cooperate on future 5G applications in areas like [connected cars](#) or [e-health](#). Together, the partners will also invest €12 million during the next two years in 5G-related projects to help develop the [Internet of Things, Cloud](#) or [Big Data platforms](#).

[Read more](#) (Source: European Commission)

3.1.10 EUREKA calls featured on new search tool YourEUprofile

[YourEUprofile](#) is a new intelligent search tool on European funding programmes, calls for proposals and related legislation. EUREKA is a strategic partner of the service and its calls for projects are prominently featured.



The associated new website, [EU Funding Trends](#), also provides regular news and events updates on EU funding, particularly in the area of innovation and including latest information on EUREKA's activities.

(Source: [EUREKA Network](#))

3.1.11 Text and data mining freedom at stakes in copyright reform



The work of European Scientists could be hampered by proposed copyright law

Scientists digging in the haystack of research publications for patterns, trends or other information, increasingly rely on text and data mining (TDM) techniques. Without these tools, it is impossible to systematically analyse the rapidly growing volume of scientific knowledge. Yet, European scientists cannot apply TDM as widely as they wish. Due to legal restriction, they fear that Europe may fall behind other countries with respect to TDM. As the commission is expected to propose a reform of existing regulations later this year, the debate on TDM and copyright law is gaining momentum. Scientists hope a reform will harmonise copyright regulations across the EU member states in favour of TDM. But traditional scientific publishers continue to [support existing regulations](#).

[Read more](#) (Source: EuroScientist)

3.1.12 MyScienceWork launched POLARIS, a digital platform for the promotion of research



MyScienceWork announced the launch of POLARIS, customized online platforms to maximize the dissemination and communication of research. POLARIS is a versatile tool that allows institutions to make their research accessible, communicate about their latest findings, establish collaborations and have decision-making tools for their research priorities.

For further information, please consult [the French version of this news item](#).

(Source: Luxembourg Portal for Innovation and Research)

Read also [Research institutions need visibility. Luckily, there's POLARIS!](#)

3.2 India

3.2.1 Highs and lows in the country's research landscape

According to Nature, Indian science is a study in contrasts. With its vast population and rapidly expanding economy, the country has ramped up scientific production at an impressive rate. India started the twenty-first century well behind Russia, France, Italy and Canada in terms of yearly publications and it now leads them all by healthy margins. It is quickly closing in on Japan.



Despite those gains, India is not yet a major player in world science. Its publications generate fewer citations on average than do those of other science-focused nations, including other emerging countries such as Brazil and China. Relative to its size, India has very few scientists; many Indian-born researchers leave for positions abroad and very few foreign scientists settle in India. The country invests a scant portion of its economy in research and development (R&D), and it produces relatively few patents per capita compared with other nations.

But there are bright spots. India boasts several world-class centres for science education, particularly the highly regarded Indian Institutes of Technology. Businesses in the country are investing more in R&D, which bodes well for future innovation. And more women are participating in science, although their numbers still fall far below those of men.

Source: 'Science in India' infographic by Nature; A special issue nature.com/indiascience (142 | NATURE | VOL 521 | 14 MAY 2015)

See the infographic on [EURAXESS Links India website](#)

3.2.2 PM to unveil Smart City, AMRUT projects on June 25

The main objective of the twin projects is to change the landscape by addressing the issue of infrastructure gap in urban areas, says Venkaiah Naidu

Prime Minister Narendra Modi will formally launch the Rs 98,000 crore Smart City and AMRUT projects on June 25, in an attempt at transforming the urban infrastructure burdened with ever-growing population.

Modi will announce the implementation guidelines for the two big-ticket urban renewal projects - Smart City and Atal Mission for Rejuvenation and Urban Transformation (AMRUT) - at Vigyan Bhawan in the presence of senior officials from state governments and Union Territories dealing with urban affairs including municipal commissioners and mayors.

Read more: [Business Standard](#)

3.2.3 Study reveals that India neglects R&D

UNESCO data shows that India lags behind most developed and emerging economies when it comes to R&D. While Iceland, Germany, China, and Brazil have 10,073, 6,995, 2,358, and 1,366 R&D staff per million population, India has just 366. The data also show that the Indian research intensity with respect to GDP is low (0.9 % in 2014, 0.85 % in 2013), compared to the global spending average of 1.8 %.

Read more: [Business Standard](#)

3.2.4 India to launch six more satellites in 2015-16

Minister of State Jitendra Singh told that during the ongoing financial year, India is going to launch six more satellites - 1 space science satellite, two



communication satellites and three navigation satellites. He also stated that the Indian Space Research Organisation is all set to launch thirteen satellites belonging to four other countries by using the Indian Polar Satellite Launch Vehicle (PSLV). 74 satellites have been launched by ISRO till April 2015.

Read more: [Business Standard](#)

3.2.5 Indian Government to spend Rs 400 crore on "Monsoon Mission"

The Indian government will spend Rs 400 crore on a "Monsoon Mission" that is expected to better understand the nature of monsoon in India, and to help Indian farmers time their crops with better monsoon prediction, thanks to a new climate forecast model that will enable long-range forecast.

Read more: [Monsoon Mission](#)

3.2.6 Infosys to invest in Indian start-ups under its "Innovate in India Fund"

Indian IT giant Infosys is in the process of evaluating early stage Indian start-ups developing disruptive technologies (for investing \$10-25 million per start-up). Infosys has announced its \$250 million investment plan in April under their "Innovate in India Fund".

Read more: [Live Mint](#)

3.3 India-Europe cooperation

3.3.1 The EU is a Partner for India in Sustainable Urbanisation

On 25th May, the EU-Mumbai partnership established in 2013 was further strengthened with a conference on sustainable urbanisation and world cities. The conference was held in order to identify concrete support for the waste and water challenges of the city, support to the review of Mumbai's Development Plan, twinning with European cities, and direct involvement with European businesses and investors. Mumbai's planning agencies were all represented, inter alia, by Mr UPS Madan, MMRDA Commissioner, and Mr A Mehta, Municipal Commissioner. The EU was represented by the EU Ambassador to India, Dr João Cravinho, Dr. Walter Deffaa, Director General for Regional and Urban Policy in the European Commission, and other senior officials and EU experts.

Ambassador Cravinho expressed the EU's wish to continue building a genuine partnership on sustainable urbanisation between Indian institutions and the EU. "Urbanization", he observed " is emerging as a global issue including in India. The challenges on water, waste, energy and mobility need to be addressed with appropriate policies, planning, governance and infrastructure – in that order. These are some of the areas



where Europe's strength is widely recognised. Europe has a lot to offer for India's Smart City agenda and we are convinced that the European Union can be a unique partner for India. We believe that the World Cities project and the Mumbai Partnership can be strong contributions to our joint actions," he said. During the first 2 years of the EU- Mumbai partnership, links have been established with about 100 European experts in different fields.

Outlining the importance of urban development initiatives in Europe, Walter Deffaa pointed out that EU regional and urban policy invests over €50 billion annually in supporting European regions and cities. "We, on our side, are keen to share the results of our experience and build a long-term cooperation platform between the EU and India," he emphasised.

Read more: [EU Delegation to India](#)

3.3.2 Major EU Presence at Smart Cities Expo India 2015

A European Pavilion at the Smart Cities India 2015 Expo from 20th-22nd May saw participation of over 50 solution providers from 11 EU Member States. It featured innovative technologies and solutions for infrastructure services like water supply, sanitation and solid waste management, efficient urban mobility and public transportation, power supply and e-governance. The event was inaugurated by Ambassadors Tomasz Lukaszuk of Poland, Harald Sandberg of Sweden, Mrs. Darja Bavdaz Kuret of Slovenia, and Jan Luykx of Belgium. The Pavilion provided space for the European experts to freely connect with Indian counterparts for business to business meetings.

The EU is keen to participate in India's Smart Cities Mission under which 100 smart cities will be built; and each selected city will get central assistance of Rs. 100 crore per year for the next five years. The event showcased European technologies and solutions with stakeholders who are currently in the process of developing smart cities. The event attracted European companies from UK, France, Sweden, Germany, Belgium, Poland, Slovenia, Finland, Netherlands and Hungary.

Read more: [EU Delegation to India](#)

3.3.3 *HighNoon* provides Insight on Impact of Climate Change in Ganges Basin

The melting of Himalayan glaciers has attracted considerable interest from researchers, policymakers and media worldwide. Scientists estimate that melting of the glaciers as well as the monsoon rainfall will have a profound impact on areas around major rivers, such as the Ganges. The recently concluded HighNoon Project, funded by the European Union's Framework Seven programme aimed to look at how the melting and the monsoon would impact the hydrological cycle in certain areas around the Ganges basin.



HighNoon saw participation from the UK Met Office and University of Salford, UK; Wageningen University Netherlands; University of Geneva, Switzerland; the Max Planck Institute for Meteorology, Germany; The Energy and Resources Institute India and the IITs at Delhi and Kharagpur.

A K Gosain, professor of civil engineering, at IIT Delhi, says, “The project was based on a major question – what are implications of climate change for water?” He added that the team wanted to go beyond the general scientific implications and look at the socio-economic impacts at the district level as well.

Read more: [EU Delegation to India](#)

3.3.4 Facilitating Offshore Wind in India: Field Visit and Study Tour

An EU-supported €4 mn. 51-month project to Facilitate Offshore Wind Energy in India (called FOWIND) is being implemented in Gujarat and Tamil Nadu.

Its objective is to promote offshore wind power development to facilitate India's transition towards a low carbon energy future. It will do this by creating an enabling environment through resource mapping, policy guidance and capacity building measures to unlock the offshore wind energy potential in India; utilise EU offshore experience to reduce technical barriers and financial risks; undertake techno-commercial studies to showcase the potential of offshore wind projects; and create strategic partnerships, to enhance access to and awareness of offshore wind technology in India.

Read more: [EU Delegation to India](#)

3.3.5 EU Partnership in Innovative Biomass and Solar Power Hybrid project

This clean energy project, titled SCOPE BIG (Scalable CSP Optimized Power Plant Engineered with Biomass Integrated Gasification) is being set-up in Dehri, in Rohtas district in Bihar. Although designated 'backward', this area has the potential to grow due to abundant water supply and fertile soil despite a shortfall in energy.

The project is being implemented over 5 years, from Oct 2013 to Oct 2018 by a consortium of Indian and EU organisations. The consortium is headed by Centre for Study of Science, Technology and Policy (CSTEP), Bangalore and their partners include: Thermax Limited, Bihar State Power Generation Company Limited (BSPGCL), Energy Research Centre of the Netherlands (ECN); and Centre National de la Recherche Scientifique. Institut de Combustion Aérothermique Réactivité et Environnement ICARE-CNRS, France.

Read more: [EU Delegation to India](#)



3.3.6 Replicating Innovative Water Harvesting Techniques in Andhra Pradesh

An EU-funded Community-based Sustainable Ground Water Management (SuGWM) project initiated in July 2011 in six drought-prone Gram Panchayats (GPs), covering 11 villages in Anantapur and Warangal districts of undivided Andhra Pradesh in India has had great success in improving the water supply situation for over 3,300 families. The project is being implemented by the Centre for World Solidarity (CWS) and three local partners and supported by European Union and Bread for the World.

There were 418 dry and defunct bore wells in the area out of the total of 1151 in 2011. The project has utilized existing infrastructure to augment recharge to groundwater by converting them into recharge wells. The technique involves digging a 10 ft x 10 ft x 10 ft around the existing bore well and filling the pit with filter material (such as boulders, stones, pebbles and sand) in layers. Small holes made in the casing pipe of the bore well before filling the filter material allow the water to seep in. Surface run-off from rainfall in upstream catchment areas is diverted towards this bore well recharge structure. The water passes through the filter material and clear water enters the bore well and directly reaches the underground aquifers. Each such structure costs around INR 40,000 and has a high benefit-cost ratio compared to the conventional method.

Read more: [EU Delegation to India](#)

3.3.7 Building EU-India IPR capacity with EBTC & EPO's workshops

Under the Cooperation agreement to work in India, the European Patent Office (EPO) along with the European Business and Technology Centre (EBTC) jointly organised three events across India in June 2015 as part of an ongoing initiative to foster IPR cooperation between Europe and India. Through these events, EBTC plans to give a boost to technology transfer between European and Indian SME's, researchers and clusters.

Two technical workshops were organised on the 'Use of Patent Information for business intelligence and IPR Commercialisation.' The first was organised in association with the Bengal Chambers of Commerce & Industry on 1st June 2015 in Kolkata, and the second in association with KIIT University on 3rd June 2015 in Bhubaneswar. Both workshops were well attended with more than 250 participants together from industry, academia, legal fraternity, researchers, academicians, MSMEs etc from India. An 'Indo-European Conference on Fostering Co-operation in Research, Innovation and IPR' was also held on 5th June 2015 in association with the Confederation of Indian Industry (CII) in New Delhi which saw more than 130 participants.

Keep reading 4.3.2 and 4.3.3 (see below)



3.3.8 Workshops on the 'Use of Patent Information for business intelligence and IPR Commercialisation'

1st June 2015, Kolkata

3rd June 2015, Bhubaneswar

Eastern India has immense untapped potential, with a large cluster of government, non-government, and research institutions. The region is also home to a patent office operating out of Kolkata. Amongst other industries, mining activities in Orissa presents interesting opportunities for European organisations to innovate, collaborate and transfer technology.

The EPO provides free access to databases which companies can use to identify technologies. Technical sessions provided hands-on training in conducting searches on databases such as *Espacenet* and *Global Patent Index (GPI)*. Experts demonstrated ways to search for technologies, and a discussion of the EP register enabled participants to understand about the legal status / ownership details of patented technologies.

Mr. Poul V. Jensen (Director, EBTC) remarked that “through these workshops, we intend to raise awareness and build capacity in intellectual property, enabling innovators to proactively search for state-of-the-art clean technologies, create their own analyses, and identify rights holders for technology transfer.” EBTC actively supports companies interested in European technologies and as per EBTC’s mandate, EBTC will service all the requirements of European organisations with respect to transferring technologies into India.

“Having established the worlds’ largest collection of patent information, and made this readily available online, the EPO welcomes the opportunity for these services to be increasingly used by Indian users in order to support innovation and technology transfer between our two regions, “said EPO Principal Director, Mr. François-Régis Hannart. He also added that “The co-operation developing between the EPO and India’s Intellectual Property Office will also help maximise synergies and interactions between our patent systems for the benefit of both regions.”

(L-R) Mr. Suman Lahiri (Regional Director, EBTC); Mr. Deb A Mukherjee (Chairperson, Energy and Environment Committee, BCC&I); Dr. S K Mitra (Deputy Controller, Designs and Patents, Indian IP Office, Kolkata); Mr. François Régis Hannart (Principal Director European and International, Co-operation, EPO); Mr. Enrico Luzzatto (Director Pure and Applied Organic Chemistry, EPO) and Mr. Arvind Chopra (Head IPR, EBTC).



EBTC’s Regional Director in Kolkata, Mr. Suman Lahiri, revealed that it was interesting to witness the excitement amongst the research ecosystem in Kolkata to use e-spacenet, as well as learning about the process of applications for patents. This has very strong, positive implications for joint research programmes. It was also observed that Kolkata is one of the most



important locations given that the Kolkata patent office is the most active amongst all in filing patents.

Contact the IPR Helpdesk: jpr@ebtc.eu

3.3.9 'Indo-European Conference on Fostering Co-operation in Research, Innovation and IPR'

Creating greater awareness of IP will only help create a conducive environment for business. It is vital to build an environment wherein policy support is available and market access issues for technology transfer are resolved. This conference held on 5th June in Delhi was a tool to aid this.

During his special address, Mr. Rajiv Aggarwal (Joint Secretary, DIPP and Controller General of Patents, Designs and Trademarks, Intellectual Property Office) highlighted that the MoU between the Indian and European Patent Offices has yielded many positive results in the recent past. He also mentioned the Government's intention to open four new National Institute of Design(s) and the possibility of having European faculty on board to impart education.

Mr. François-Régis Hannart (Principal Director, European and International Co-operation, EPO) added that the launch of a new IP tool 'InPASS' by the IPO is proof of the growing need for information on patents and such initiatives have been deeply appreciated in Europe.

(L to R) Mr. Rajiv Aggarwal (Joint Secretary, DIPP and Controller General of Patents, Designs and Trademarks, Intellectual Property Office); Mr. R Saha (Senior Advisor, CII); Mr. Maurizio Cellini (Head of Trade and Economic Affairs, Delegation of the European Union to India); Mr. Deep Kapuria (Chairman, Hitech Group of Companies); Mr. François-Régis Hannart (Principal Director, European and International Co-operation, European Patent Office (EPO)); Mr. Poul V. Jensen (Director, European Business and Technology Centre (EBTC))



Mr. Maurizio Cellini (Head of Trade and Economic Affairs, Delegation of the European Union to India) reiterated that the EU is one of India's top-most trade and investment partners. He reminded us that education plays the most important role for research excellence and it is therefore imperative to resolve IPR issues in order to facilitate research collaborations. The EU has deep interest about the ongoing developments on India's National IP Policy and the role of European companies in making the 'Make in India' initiative a success.

Following the conference, moderators from each session will highlight key points for a report which will be jointly prepared and submitted to the Indian Government.

Contact the IPR Helpdesk: jpr@ebtc.eu



3.3.10 'Voice Out': a European Union call to participate in climate action | Essay Competition and Photo Contest with The Hindu Centre

The climate is on everyone's mind. Eight of the last ten years have been the hottest in recorded history. If glaciers continue to melt and sea levels rise, but rivers run dry, we will all be affected. Can the world wait till coal, oil and gas are exhausted? The short answer is no - because by then average global temperatures will have crossed the tipping point, unleashing storms, droughts, floods and searing temperatures.

Providing a platform for people to 'Voice Out' not only their concerns but also the solutions that they think should be adopted to tackle the Climate Change Challenge, the European Union today launched two initiatives under #MyClimateMyFuture:

An essay competition in collaboration with The Hindu Centre for Politics and Public Policy (*Deadline for participation: 16 August 2015*), and

A photo contest (*Deadline for participation: 31 August 2015*), organised by the EU.

These initiatives are part of the 'European Climate Diplomacy Day' #ClimateDiploDay, being observed worldwide on the 17th of June 2015 to promote informed debate about climate change in the lead up to this year's crucial meeting at Paris in December. The French capital will host the 21st Conference of Parties of the UN Framework Convention on Climate Change (UNFCCC) which aims for a legally binding agreement applicable to all countries and keeping the world on track to its goal of holding the global temperature increase below 2°C.

Read more: [EU Delegation to India](#)

3.3.11 An INDIGO Event on Water: Participate to the EU-India Science, Technology and Innovation Cooperation Days in Rome, Italy on 15-16 October 2015

The sixth edition of the [EU-India STI cooperation days](#) will focus on the topic WATER FOR HEALTH.

SMEs, researchers, and policy makers will join the event to discuss ongoing and future cooperation and to set the scene for further fruitful initiatives in the field of Science Technology and Innovation. The EU-India STI Cooperation Days aim at supporting new research and business networks on issues of priority interest for both regions, and to promote funding opportunities offered by the EU, India, bilateral programmes and by industry.





This edition will be in particular focused on clean water for health, in order to maximize future scientific and business collaboration in this field. During the event market opportunities in Europe and India for entrepreneurs will be explored and innovative technologies will be showcased. The event will also support the linking of existing bilateral and multilateral projects on water research.

The event is jointly organized by the INDIGO POLICY and INNO INDIGO projects (www.indigoprojects.eu) and supported by European Commission.

The main event sessions are:

- Europe-India collaboration on water research and innovation, setting the scene
- Facilitating India-EU STI cooperation - Introduction to support initiatives (such as EURAXESS Links India)
- India-EU STI cooperation exhibition space
- Open Space session: Young Scientist Competition (*see item 3.3.12. below*)
- Showcasing Indo-European Cooperation in Water Research
- Networking Café: Water EU – India
- Masterclass business development

For registration and for further information, visit

www.b2match.eu/euindiacoopdays2015/

3.3.12 Young Scientist Competition on 'Water for Health'- Call Open until 7 August 2015



The young scientist competition of the year is an initiative of the FP7 projects: INNO INDIGO and INDIGO POLICY. It was initiated in 2014 with the aim of giving young researchers from India and Europe a suitable podium to promote their research projects and ideas for cooperation (between India and Europe). Through such a competition, young scientists gain enormous exposure not only from their peers on social media platforms, but also from the scientific community as the final decision on the winner is taken by the audience of EU-India STI Days which gathers annually since 2009 to promote scientific cooperation between the two scientific hubs, after presentations of projects and project ideas by the finalists.

This year, finalists of the young scientist competition will have an opportunity to promote their research projects and ideas for cooperation by introducing them to the EU-India STI cooperation network at the 2015 EU-India Cooperation Days in Rome, Italy on the 15 and 16 October (*see item 3.3.11 above*).

On top of the above mentioned benefits, the winner of the competition will be awarded a fully paid trip to a conference of their choice: For EU / Associated Countries' participant a conference in India and for an Indian participant a conference in Europe.



Eligibility criteria:

Aged: 19 to 34 years (inclusive)

Affiliated to a company, research centre, university, non-profit organisation

With a Masters degree or higher

Watch a video [here](#) and find the ToR's on [INDIGO Projects – Young Scientist Competition](#).

3.3.13 Year of Swiss Innovation in India 2015-2016

By Aaron Egolf

The around-the-world tour of Solar Impulse – a solar-powered aircraft designed to remain in the air day and night without using a single drop of fuel – is at the same time an astonishing adventure of two innovative pioneers and a worldwide campaign for a more sustainable use of resources.

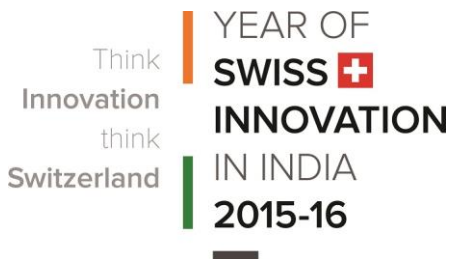
The Embassy and other representations of Switzerland in India have identified the landing of the airplane in Ahmedabad and Varanasi in March 2015 as a unique opportunity to launch the ***Year of Swiss innovation in India 2015-2016***. Symposia, workshops and travelling exhibitions on topics such as renewable energy, green buildings, robotics, intellectual property rights, gaming, digital innovation, design and artistic performances based strongly in science and innovation are in the planning. You have the possibility to experience exciting activities such as flying a bird simulator or witnessing an innovative dance performance first-hand in major cities all over India between March 2015 and October 2016.

The *Year of Swiss innovation in India 2015-2016* is not only a vitrine of Switzerland's existing achievements in these sectors. Our main aim is to strengthen further business collaboration and investment between India and Switzerland as well as to facilitate academic exchange, the sharing of best practices and know-how. Just as the innovation process itself, the program is very much driven by private initiatives and the involvement of entrepreneurs, researchers and experts from India and Switzerland.

We would like to invite you to participate in our events and to contribute to an enriching exchange between two countries with some of the most innovative minds worldwide – India and Switzerland.

Think innovation, think Switzerland!

For more information and a detailed event program please visit our homepage: <http://www.swissnexindia.org/about/yosi/> and “like” us on Facebook: <https://www.facebook.com/Swissembassyindia>





3.3.14 Linking researchers and web entrepreneurs: take the survey before 28 July 2015

The *ePlus Ecosystem* wants to match researchers in digital technologies with web entrepreneurs and business minded people for mutual benefit, and wants your views. The basic idea of *ePlus Ecosystem* is to link together several 'entrepreneur support ecosystems', each established to help local web entrepreneurs develop their startups, and expand their service offer. Entrepreneurs will be able access services offered by *all* participating ecosystems and other valuable offers, taking their startup to an international level. Some of those services involve researchers:

"**Date an entrepreneur**" would match researchers with web entrepreneurs looking for specific academic skills;

"**Date a Researcher**" would match researchers with new business ideas with entrepreneurs to help them take their research results to the market.

But, as they point out in a recent blog post on their recently launched site: *"Like any startup, we need to ensure that what we're building is what our users need: if you are a web entrepreneur, researcher, ecosystem manager, startup mentor, investor or similar, **please take this survey**"*: [click here](#)

Read more: [Help design the ePlus project](#)

3.3.15 'INDIGO News' No.2 June 2015 is on-line

The latest INDIGO projects' bi-annual newsletter is now available on-line.

This is the second issue of a series of INDIGO newsletters in which they provide updates on their activities in the sister projects INDIGO POLICY and INNO INDIGO and on Indo-European STI cooperation in general.

Researchers and innovators from India and Europe are teaming up to tackle global societal challenges. High-level policy makers are setting up strategic support programmes cooperatively.

In this issue the reader will find:

The 6th Edition of the EU-India Science, Technology and Innovation Cooperation Days 2015

Inno Indigo Partnership Programme 2015 Call for proposals on "diagnostics and interventions in chronic non-communicable diseases"

Second Meeting of Platform for Funders in Helsinki, 9-10 June

Read more: [INDIGO News](#)





4 Grants & Fellowships

4.1 National EURAXESS Portals

The latest information on open calls for national grants and fellowships in the 40 member countries of the EURAXESS network can be accessed on the respective national EURAXESS portal:

[Albania](#), [Austria](#), [Belgium](#), [Bosnia-Herzegovina](#), [Bulgaria](#), [Croatia](#), [Cyprus](#), [Czech Republic](#), [Denmark](#), [Estonia](#), [Faroe Islands](#), [Finland](#), [France](#), [FYRoMacedonia](#), [Germany](#), [Greece](#), [Hungary](#), [Iceland](#), [Ireland](#), [Israel](#), [Italy](#), [Latvia](#), [Lithuania](#), [Luxembourg](#), [Malta](#), [Moldova](#), [Montenegro](#), [Netherlands](#), [Norway](#), [Poland](#), [Portugal](#), [Romania](#), [Serbia](#), [Slovakia](#), [Slovenia](#), [Spain](#), [Sweden](#), [Switzerland](#), [Turkey](#), [United Kingdom](#).



Access to all national EURAXESS Portals (overview): [here](#)

Besides providing information on funding opportunities for incoming international and European researchers, staff at the EURAXESS Service Centres offer individual assistance on all aspects of researcher mobility.

4.2 MSCA (IF) | University of Calabria (Italy) | Ready to host you



The University of Calabria, situated in Southern Italy, is a public institution established in 1972. The University is a medium-sized university with about 34,000 students enrolled, with 851 teachers, about 800 members of the technical and administrative staff; 14 Departments; about 80 Degree Courses (including specialization courses).

The University of Calabria is seeking to develop collaborative funding proposals with experienced researchers (ER shall, at the deadline for the submission of the proposal, be in possession of a doctoral degree or have at least four years of full-time equivalent research experience) for submission under the Marie Skłodowska-Curie Individual Fellowship (IF) programme within the following thematic areas:

An application must be developed jointly by the researcher and supervisor. Proposals for Individual Fellowships involve a single host organisation (future beneficiary) established in a Member State or Associated Country. The project proposals are submitted by this host organization, which is represented by the supervisor, in liaison with the researcher.

The applicants can submit their proposals to one of the 8 main evaluation panels: Chemistry (CHE), Social Sciences and Humanities (SOC), Economic Sciences (ECO), Information, Science and Engineering (ENG), Environment and Geosciences (ENV), Life Sciences (LIF), Mathematics (MAT) and Physics (PHY).



Deadline of the next call for proposals for Marie Skłodowska–Curie Individual Fellowship on 10 September 2015.

NB: in order to avoid problems with the online system in the last weeks and work overload during the summer period, and to have the necessary time to support the online application process, the University of Calabria's internal deadline is 15 July 2015.

Read more: [EURAXESS Links India website](#)

4.3 MSCA (IF) | University of Zaragoza (Spain) | Ready to host you



University of Zaragoza was founded in 1542 and presently consists of 11 faculties, 1 school of engineering, 6 technical schools, 55 departments and 5 research institutes. More than 30.000 students (40% in science and technology) are attending the 48 graduate level programs and 51 post-graduate academic programmes that cover a wide range of fields such as: Humanities and arts, social sciences, health sciences, experimental sciences and technological sciences.

University of Zaragoza carries out educational, research and development activities in its different campuses and centers, which makes it the strongest driving force for the social and economic development of Aragon and the Ebro Valley. It is a university that is changing and evolving in a multidisciplinary way in three interrelated spheres, defined as research, education and transfer of knowledge.

In the European context, University of Zaragoza has a solid commitment as host institution, with the following as its main *areas of research* (as established in Marie Skłodowska-Curie Actions): Chemistry (CHE), Information Science and Engineering (ENG), Environmental Sciences and Geology (ENV), Life Sciences (LIF) and Physics (PHY)

Read more: [EURAXESS Links India website](#)

4.4 MSCA (IF) | JAGIELLONIAN UNIVERSITY (Poland) | Ready to host you



The Jagiellonian University is seeking to develop collaborative funding proposals with experienced researchers (ER shall, at the deadline for the submission of the proposal, be in possession of a doctoral degree or have at least four years of full-time equivalent research experience) for submission under the Marie Skłodowska-Curie Individual Fellowship (IF) programme within the following *thematic areas*:

- Studying the functions of Arabidopsis proteins involved in PCNA-dependent DNA replication, repair and cell cycle control.
- Sediment-hosted Cu and Zn-Pb deposits (mineralogy, geochemistry-incl. PGE and REE); taphonomy (bones, bacteria,



pyritization); geochemistry of black shales (events); sedimentary iron sulphides.

- Comparative cultural studies.
- Jewish Studies.
- Mathematics: differential equations, nonlinear functional analysis, methods and techniques of nonlinear analysis, calculus of variations, control theory, identification, homogenization, mathematical modeling of physical systems, applications of differential equations to problems of mechanics.
- European philosophy of art (especially platonian tradition), contemporary art (especially painting, installation), european history of painting, theory of Byzantine and Orthodox Icon.
- Application of optical magnetometry in detection of biomagnetic fields, optical searches for dark matter, nuclear magnetic resonance at truly zero magnetic fields - new capabilities and applications.
- Development of endothelium-targeted innovative pharmacotherapy for cancer metastasis.
- Research in the field of chemistry.

If you are interested in the above themes, please submit an Expression of Interest (CV and brief description of your research area) by email to: ewa.prazuch@uj.edu.pl

MSCA IFs take the form of European Fellowships and Global Fellowships.

Read more: [EURAXESS Links India website](#)

4.5 MSCA (IF) | Bulgaria | Ready to host you

EURAXESS in Bulgaria has forwarded six offers for hosting a Marie Skłodowska–Curie Individual Fellowship at various Bulgarian research institutes of the Bulgarian Academy of Sciences.

Read more: [EURAXESS Links India website](#)

4.6 MSCA (IF) | Israel | Ready to host you

EURAXESS in Israel is presenting five universities in their country that are willing to host fellows in the framework of MSCA IF 2015 call:

1. BGU- Ben Gurion University of the Negev
2. BIU- Bar Ilan University
3. HAIFA- University of Haifa
4. HUJI- The Hebrew University of Jerusalem
5. Technion- Israel Institute of Technology





The individual profile for these universities can be found on [EURAXESS Links India website](#).

4.7 Societal Challenges I Bio Based Industries PPP

Deadline: 15 September 2015



Three topics:

- From lignocellulosic feedstock to advanced bio-based chemicals, materials or ethanol
- Valorisation of cellulose into new added value products
- Innovative processes for sugar recovery and conversion from Municipal Solid Waste (MSW)

Read more: [Participant Portal](#)

4.8 Societal Challenges I Green Vehicles 2014-2015

Deadline: 15 October 2015

Two topics:

- Powertrain control for heavy-duty vehicles with optimised emission
- Electric vehicles' enhanced performance and integration into the transport system and the grid

Read more: [Participant Portal](#)

4.9 Societal Challenges I Mobility for Growth 2014-2015

Deadline: 15 October 2015

Four topics:

- Safe and connected automation in road transport
- Demonstrating and testing innovative solutions for cleaner and better urban transport and mobility
- Facilitating market take up of innovative transport infrastructure solutions
- Smart governance, network resilience and streamlined delivery of infrastructure innovation

Read more: [Participant Portal](#)



4.10 Ikerbasque Research Professors Call 2015

Deadline: 10 September 2015

Ikerbasque, the Basque Foundation for Science, has launched a new international call to reinforce research and scientific career in the Basque Country (Spain) offering **10 positions for Senior Researchers:**

Ikerbasque Research Professors



- o Researchers with a solid research track and leadership capabilities
- o The applicants must have their PhD completed before January 2007
- o Permanent contract positions within any of the Basque Research Institutions

For further information: www.ikerbasque.net

4.11 FYROM: Call for Applications for Undergraduate Scholarships to Foreign Students | Indians eligible

Deadline: 31 July 2015

The Ministry of Education and Science of The Republic of Macedonia announces this Call for Applications for full undergraduate scholarships, for the academic 2015/2016, at the University of Information Science and Technology "St Paul the Apostle" in Ohrid, Republic of Macedonia (www.uist.edu.mk).

The scholarships are available to outstanding students, **not older than 22** years old who wish to pursue undergraduate studies in one of the following programmes:

- (1) Faculty of Communication Networks and Security (CNS);
- (2) Faculty of Computer Science and Engineering (CSE);
- (3) Faculty of Information Systems, Visualization, Multimedia and Animation (ISVMA);
- (4) Faculty of Information and Communication Science (ICS)
- (5) Study Program of Digital Business Informatics (DBI)
- (6) Faculty of Applied IT, Machine Intelligence and Robotics (AITMIR) and
- (7) Study Program of E-Government, E-Business and E-Culture.

One full scholarship will be awarded to a candidate from each of the eligible countries (India is included).

Read more: [Republic of Macedonia | Ministry of Education and Science](#)

4.12 DENMARK: Call for applications for its International Networking Programme | India target

Deadline for applications: 25 August 2015



Danish Agency for Science, Technology and Innovation has published a call for applications for its International Networking Programme which aims to promote academic contacts between Danish researchers and their counterparts in the countries where Denmark has opened innovation centres, among them India.

Read more: [Ministry of Higher Education and Science](#)

4.13 Indo-Finnish RDI Cooperation Projects on Scalable Cleantech and ICT solutions for societal needs

Deadline: 17 September 2015

The aim is to stimulate innovative RDI projects that address a specific market need or challenge that is solvable through Cleantech or ICT applications, demonstrate high commercial potential, and lead to favorable societal benefits in India.

Successful projects will be funded by Tekes in Finland and by GITA in India.

Read more: [EURAXESS Links India website](#)

4.14 Indo-Finnish RDI Cooperation Projects on Health | Innovative health and well-being solutions for all

Deadline: 17 September 2015

The aim is to launch ambitious joint projects of a high international standard that address a specific Indian or global need and have a high commercial potential and lead to societal benefits.

Successful projects will be funded by Tekes in Finland, and by DBT in India.

Read more: [EURAXESS Links India website](#)

4.15 Forthcoming calls

Under HORIZON 2020:

Revised HORIZON 2020 Work Programme 2014-2015: [here](#) (check for documents ending with "v.2" under H2020/Work Programmes/2014-15/Main WP).

Note: Work Programme 2016-2017 has not been adopted yet. As soon as it is, EURAXESS Links India Newsletter readers will be among the first to know about it.

European Research Council (ERC)'s Work Programme 2015: [here](#)



Industrial Leadership | Horizon Prize | [MATERIALS FOR CLEAN AIR](#)

Planned opening date on 26/01/2017



4.16 Calls still open (over 50 opportunities!!)

(see previous newsletters or click on the respective link for more details)



HORIZON 2020 – Calls for proposals (collaborative projects): access all calls under **Industrial Leadership** and **Societal Challenges** pillars on the [Horizon 2020 Participant Portal](#).

Deadline for submission: **check under specific call**.

A few new calls were launched in March under the Societal Challenges pillar.

EURAXESS Links India pays particular attention to calls open to individual researchers under the **Excellent Science** pillar (see below).

The following *calls under HORIZON 2020* are *highlighted* here:



Excellent Science – [ERC Proof of Concept Grant](#)

There are 3 deadlines for submission to the ERC-2015-Proof of Concept:

First deadline: 5 February 2015 - **CLOSED**

Intermediate deadline: 28 May 2015 - **CLOSED**

Final deadline: **1 October 2015** at 17:00 (Brussels local time)

Excellent Science I [Marie Skłodowska-Curie Individual Fellowships \(IF\)](#) – Deadline: **10 September 2015**

The goal of Individual Fellowships is to enhance the creative and innovative potential of *experienced researchers* (i.e. **more than 4 years research experience or have a doctoral degree** (PhD)) wishing to diversify their individual competence in terms of skill acquisition at multi- or interdisciplinary level through advanced training, international and intersectoral mobility.

MSCA (IF) I Expression of Interest– [Spanish Host Institutions](#) I Great tool for MSCA (IF) Applicants!

Great tool to help you identify a host institution in Spain for your MSCA (IF) application.

Excellent Science I [Marie Skłodowska-Curie Co-funding of Regional, National and International Programmes \(COFUND\)](#)

Deadline: **1 October 2015**

Indian entities are not entitled to automatic funding under this call. Indian nationals, however, are usually eligible for CONFUND funding to be





awarded under CONFUND projects. This can be to pursue a doctoral programme or as part of a fellowship programme.

The COFUND scheme aims at stimulating regional, national or international programmes to foster excellence in researchers' training, mobility and career development, spreading the best practices of Marie Skłodowska-Curie actions.

Call open for engaged scientists with strong competence in CRISPR technology by EU Marie Curie Chair

The [EU Marie Curie Chair | Birgit Arnholdt-Schmitt](#) is especially dedicated to initiating new directions in thinking in the area of applied botany by combining interdisciplinarity and systemic thinking, and through linking fundamental leading-edge research directly to application in molecular plant breeding for sustainable agriculture and for alternative energy supply.



Industrial Leadership | [Horizon Prize | Better use of Antibiotics](#)

Deadline: **17 August 2018**

The Horizon Prize for **better use of antibiotics** is a EUR 1 million prize that will be awarded to the person or team who can most effectively meet the following challenge: develop a rapid test that can identify at the point of care patients with upper respiratory tract infections that can safely be managed without antibiotics. In this context "Upper Respiratory Tract Infections" include pharyngitis, sinusitis, otitis as well as bronchitis.



Industrial Leadership | [Horizon Prize | Breaking the Optical Transmission barriers](#)

Deadline: **15 March 2016**

The Horizon Prize for **breaking the optical transmission barriers** is a EUR 500,000 challenge prize. It will be awarded to a solution that maximises the fibre capacity per channel, spectrum range and/or spectral efficiency and reach. It should also be energy efficient, economically viable, and easy to install and deploy. The solution should have a strong potential to be adopted in future generations of optical-system products. The feasibility of the approach will have to be demonstrated through clear experimental results.



Industrial Leadership | [Horizon Prize | Collaborative Sharing of Spectrum](#)

Deadline: **17 December 2015**

The Horizon Prize for collaborative spectrum sharing is a EUR 500,000 challenge prize. It will be awarded to an innovative and disruptive approach which will enable a significant increase in spectrum sharing and re-use, beyond the currently applicable spectrum sharing methods and centralised techniques. The winning solution should be a significant step forward from current technologies and solutions in terms of shared spectrum usage metrics and will have to prove its economic viability. The feasibility of the approach will have to be demonstrated through clear experimental results.

**Industrial Leadership | [Fast Track Innovation - Pilot](#) (2015-2016)**

Proposals can be submitted at any time as of January 9 2015, yet will be ranked following **three cut-off dates in 2015**: April 29 (closed), **September 1 and December 1**. The three cut-off dates for 2016 will be made public at a later time. FTI Pilot in Horizon Work Programme 2014-2015: [here](#)

Other European calls (Europe-India specific or where India involved):

Indo-Dutch: [Cooperation between The Netherlands and India on X-ray Astronomy and Technology](#)

Deadline: **no deadline applicable**.

Indo-Spanish: 3rd Joint Call for Technological Co-operation in Biotechnology

Deadline: **30 September 2015**

This joint call for proposals aims to launch ambitious joint projects of a high international standard between Indian and Spanish organizations. Potential projects will be funded by [DBT](#) in India and [CDTI](#) (Spain's National Innovation Agency) in Spain.

UK-India: [Newton-Bhabha PhD Placements Programme](#)

Deadline: **31 July 2015**

The Department of Business, Innovation and Skills, UK and the Ministry of Science and Technology, India, British Council- India and the Department of Science and Technology, India are pleased to invite applications for funding to support short-term PhD placements between UK and Indian institutions.

The programme will sponsor UK and Indian PhD scholars to spend a period of their study (3 to 6 months) in Indian and UK higher education institutions taking place between January 2016 - October 2016.

BBSRC-Newton Fund: [Call for Virtual Joint Centres with Brazil, China and India in Agricultural Nitrogen](#)

Deadline: **22 July 2015**

BBSRC, NERC and partners in Brazil, China and India are delighted to announce a Newton Fund call for Virtual Joint Centres in Agricultural Nitrogen.

Applications are invited to enable bilateral research activities in the form of Virtual Joint Centres with one of Brazil, China or India for up to three years in duration.

Calls from European Research Area countries (not only for India):

EMBO: [EMBO Long-Term Fellowship](#)

Deadline: **14 August 2015**

The European Molecular Biology Organisation (EMBO) brings together more than 1,500 leading researchers from 27 Member states and promotes excellence in the life sciences.

AUSTRIA: [Lise Meitner Programme for scientists from abroad](#)

Deadline: accepted continuously, **no application deadlines**

**AUSTRIA:** [Austrian Database for Scholarships and Research Grants](#)**BELGIUM-Wallonia:** [BEWARE Fellowships | Industry and Academia](#)

Deadline | cut-off dates: April 30 (CLOSED), June 30 (CLOSED), **September 30** and **November 30 2015**.

Two funding schemes are open to attract researchers in Wallonia/Federation Wallonia – Brussels: (1) BEWARE FELLOWSHIPS Industry and (2) BEWARE FELLOWSHIPS Academia.

The BEWARE FELLOWSHIPS (BElgium WALLonia REsearch) programmes are co-financed by the COFUND program of the European Union (Marie Curie Actions).

FRANCE: [“Connect Talent” 2015 International Call for Projects](#)

Deadlines: 28 April 2015 (closed), **September 2015** and **February 2016**

Support funded by Pays de la Loire Region to research, training and innovation "breakthrough projects".

Eligible fields: acoustics, vegetal, renewable marine energies, numeric, professional electronics, agro food, tourism, material for molecular photonics and organic electronics, European studies, creative and cultural industries, among others.

GERMANY: [German Chancellor Fellowship of the Alexander von Humboldt Foundation | India target](#)

Deadline: **15 September 2015**

GERMANY: [Georg Forster Research Fellowship \(HERMES\) - Top opportunities for researchers from developing countries](#)

Deadline: There is **no closing date** for submitting applications.

GERMANY: [Humboldt Research Fellowship for Postdoctoral Researchers](#)

Deadline: There is **no closing date** for submitting application

GERMANY: [PhD and Postdoc Positions at the Freie University Berlin](#)

Deadline: **no specific deadline**

Applications for 21 Ph.D. Positions in the field of Social Science and Natural Science (11 in Social Science & Humanities, 6 in Natural Science) and also 10 positions for Post Docs (4 on Social Science, 6 in Natural Science) invited.

ITALY: [Call for 86 posts in PhD courses at the Scuola Normale Superiore](#)

Applications registered by: **31 August 2015**, for the autumn session

POLAND: [Foundation for Polish Science – Ideas for Poland](#)

Deadline: Applications **accepted on a rolling basis**

Eligible applicants: Winners of the “ERC Starting Grants” competition who intend to pursue scientific research in Poland.



PORTUGAL: [New Media and Pervasive Systems PhD Programme by COPELABS and University Lusofona](#)

Deadline for application: **different deadlines**

TURKEY: [TÜBITAK – Research Fellowship Programme for International Researchers](#)

Applications will be accepted **twice a year**. Application deadlines for 2015:

I. Period : 16 March 2015 - 20 April 2015 - **CLOSED**

II. Period : **14 September 2015 - 19 October 2015**

UK: [Wellcome Trust- Investigator Awards](#)

Applications are considered **three times a year** (February, July, November).

Next full application closing dates: **17 July 2015** and **6 November 2015**



Horizon 2020: Call of expression of interest for experts

Additional details can be found in the [Participant Portal](#). *We encourage experienced researchers to check it out and register as an expert.* The call for expression of interest will remain open for the lifetime of Horizon 2020.

5 Jobs

5.1 EURAXESS Portal and EURAXESS Jobs

The [EURAXESS Portal](#) provides links to information on career and grant opportunities in science and technology mainly in European countries.

For research careers in Europe and the world, visit the [EURAXESS Jobs](#) website! **It includes fellowships such as Marie Skłodowska-Curie ones as well as vacancies advertised by Science AAAS** (the American Association for the Advancement of Science) *and Alumniportal* (Germany). EURAXESS Jobs vacancies are also seen at the Naturejobs portal.

Currently, there are 7686 research jobs and fellowship programmes (all over Europe but also in other countries such as in India and in all disciplines, including social sciences and humanities) accessible via the EURAXESS Jobs database.

Most jobs are open to researchers of any nationality.

5.2 JRC Call for expressions: European Researchers (postdocs) – *Still open*

The Joint Research Centre (JRC) has just launched a call for expressions of interest to recruit on fixed-term contracts. As the European Commission's in-house science service, the Joint Research Centre provides the science for EU policy making, providing a unique opportunity to make your work count. Successful candidates will work in one of the JRC sites, located in Germany, Belgium, Italy, Spain and the Netherlands.





The selection is open to applicants from the EU Member States or from one of the countries associated with the Horizon 2020 research and innovation programme.

Eligible fields are: Biology, Chemistry, Natural Sciences, Life Sciences, Biochemistry, Oceanography/Marine Sciences, Nanotechnology, Nanobiotechnology, Veterinary, Engineering, Mathematics, Physics, Computer Sciences, Statistics, Material Sciences, Economics, Political Sciences, Social Sciences, Educational Sciences, Psychology, Geography, Environmental Sciences, Agricultural Sciences, Agricultural Engineering, Meteorology, Ecology, Forestry, Geology, Hydrological Sciences, Medical Sciences, Pharmacy, Nutritional Sciences.

More info: [Joint Research Centre](#)

5.3 Vacancies for PhD in Europe at DSM

Royal DSM is a global **science-based** company active in **health, nutrition and materials** (headquarters in the Netherlands). By connecting its unique competences in **Life Sciences and Materials Sciences** DSM is driving economic prosperity, environmental progress and social advances to create sustainable value for all stakeholders simultaneously.

More on DSM: [here](#) | Vacancies: [here](#)

5.4 Vacancy at Embassy of Sweden New Delhi

Deadline for submission of application: 6 August 2015

'Vacancy Announcement' for the position of 'Research Assistant/Analyst (Sustainable Development)' at the Science and Innovation office, Embassy of Sweden in New Delhi.

Read more: [EURAXESS Links India](#)

5.5 Join us on LinkedIn: linkedin.euraxess.org



The EURAXESS Links group on LinkedIn is for **internationally mobile researchers** to share their experiences and learn of jobs and career opportunities around the world.

It is part of the EURAXESS initiative, the European Commission's programme to support researchers, of which EURAXESS Links is its external window (i.e. for outside Europe).

The global EURAXESS LinkedIn group is complementary to the country based EURAXESS Links India community managed with SINAPSE.

5.6 India: Jobs at [DevNetJobsIndia](#)

At the time of writing this issue, DevNetJobsIndia offers positions in research and innovation. Best is to check the site out in the beginning of the month when new positions are advertised.



5.7 India: Jobs at [IndiaBioScience](#)

IndiaBioScience is a non-profit science outreach initiative created to fulfill the niche gap within the Life Science sector in India. IBS is envisioned to function as a catalyst organisation that will invigorate the various activities associated with establishing a strong hold for scientific research on the global scene – this includes recruitment, networking, collaborations, research oriented education and science communication.

IndiaBioScience is your Gateway to Indian Biology!

6 Events in Europe and India

Event (click on event title for more details)	Location	Date
6.1 Europe		
Events announced under Horizon 2020 website The website includes information on the Information Days by the European Commission and Brokerage events	<i>Check link</i>	<i>Check link</i>
EXPO Milano 2015: Feeding the Planet Energy for Life	Milan, Italy	1 May-31 October
6th EMBO Meeting	Birmingham, UK	5-8 September
27th European Union Contest for Young Scientists by the European Commission	Milan, Italy	17-22 September
ICT 2015 - Innovate, Connect, Transform by the European Commission with the Fundação para a Ciência e a Tecnologia Portugal	Lisbon, Portugal	20-22 October
ESOF 2016 (next year!)	Manchester, UK	22-27 July 2016
6.2 India		
EURAXESS Science Slam India 2015 Pre-selection	On-line	10 July - 20 September
EURAXESS Share event <i>Advancing Your Research Career in Europe: Funding and Fellowship Opportunities for Indian Researchers</i>	Kolkata, West Bengal	3 September
EURAXESS Information Session at BITS-Pilani	Zuarinagar, Goa	September (tbc)
EURAXESS Information Session	Mumbai, Maharashtra	October (tbc)
9th Renewable Energy India Expo 2015	Greater Noida, NCR	23-25 September
EURAXESS Science Slam India 2015 Live finals	Bengaluru	30 October
Intersolar India 2015	Mumbai, Maharashtra	18-20 November



EURAXESS Links India is a networking tool for European researchers active in India and Indian ones wishing to collaborate and/or pursue a research career in Europe. EURAXESS Links India provides information about research in Europe, European research policy, opportunities for research funding, for EU-India and international collaboration and for transnational mobility. Membership is free.

Visit us at india.euraxess.org and click on **Login Community / Join the EURAXESS Links India community** on the right-hand side of the page.

EURAXESS Links is a European Commission's Directorate-General for Research and Innovation initiative. It has thus far been launched in the ASEAN (encompassing Singapore, Thailand, Malaysia, Indonesia and Vietnam), Brazil, China, India, Japan, and North America (USA & Canada).