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EURAXESS LINKS BRAZIL

Dear Colleagues,

We are glad to present you our last 2013 EURAXESS Links Brazil Newsletter.

EURAXESS Links officially started its activities in Brazil seven months ago and developed many initiatives to provide you with useful information on EU-Brazil S, T & I cooperation. We aim at connecting EU and Brazil researchers among themselves and with Europe but also at assisting researchers wishing to collaborate and/or pursue a research career in Europe. To keep improving our services in 2014, it would be appreciated if you could complete our [online survey](#). It will take you only 3 minutes!

This month, our “**EU Insight**” section focuses on the global dimension of higher education in Europe envisioned by the European Council.

December was characterised by the launch of the first 145 calls under the new European framework programme for research and innovation, **Horizon 2020**. Researchers careers and mobility will continue as one of the European Commission’s priorities and are already the objective of some of the launched calls within the “Excellent Science” pillar, such as the 2014 ‘Starting Grants’ and ‘Consolidator Grants’ of the European Research Council (ERC) or the Marie Skłodowska-Curie actions.

Many other bilateral opportunities were also launched in December and are available in the sections on jobs and funding opportunities.

Finally, we would like to wish you all the best for the holiday season and the forthcoming year.

Your EURAXESS Links Brazil Team
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EURAXESS Links Brazil Newsletter is a monthly electronic newsletter, edited by EURAXESS Links Brazil, which provides information of specific interest to European researchers in Brazil and Brazilian researchers 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 Brazil.

Please email to brazil@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.

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1 EU Insight – Council conclusions on the global dimension of European higher education

On November 26th, 2013, the education ministers of the European Union Council of Ministers adopted two sets of Council conclusions on effective leadership in education and on the global dimension of European higher education.

“The EU has a joint vision on the importance of these two issues and will work together towards the same goals. During its Presidency, Lithuania hosted high-level events dedicated to effective leadership and the globalization of European higher education, during which the matters were considerably furthered”, the Lithuanian Minister said.

In this article, we shall focus on the conclusions drawn in the policy declaration regarding the global dimension of European higher education.

The policy declaration was developed over the course of several earlier meetings and contains suggestions made by the Council to the Member States on cooperating with higher education institutions to:

1. Pursue comprehensive strategic approaches towards internationalisation, in cooperation with the relevant stakeholders, which cover three main areas:
 - (a) student and staff mobility
 - (b) the internationalization of curricula and digital learning
 - (c) strategic cooperation, partnerships and capacity-building
2. Promote two-way international degree and credit mobility for students, as well as provide opportunities for staff mobility between Europe and third countries [...]

The Council welcomes the Commission’s efforts to exploit the opportunities for international higher education cooperation within the Erasmus+ and Horizon 2020 programmes. This could, for example, happen through increased financial support through Erasmus+ for the mobility of learners and staff, but also through the Marie Skłodowska-Curie Actions under Horizon 2020 for the mobility of researchers to and from third countries.

The declaration also states that EU governments should support “the recognition of credits, degrees, qualifications and



competences gained abroad by internationally mobile students, researchers and staff ...”, as well as create guidance and counseling services helping academics work abroad.

Furthermore, the systems of ‘European Credit Transfer and Accumulation’, the ‘Diploma Supplement’ and the ‘European Qualifications Framework’ should be supported, while backing reforms to EU directives helping non-EU nationals enter Member States for research and studies.

The ministers stressed the need to encourage a “coordinated action and strategic partnerships” among European universities – including through the new Erasmus+ programme – in order to ensure the competitiveness of European higher education institutions in the digital race.

Sources:

[1] [University World News](#)

[2] [Press statement: Council of the European Union](#)

[3] [Draft Council conclusions on the global dimension of European higher education](#)



2 EURAXESS Links Brazil activities

2.1 **Survey:** we need your feedback to help us serve you better

EURAXESS Links would like to hear from you how we could further improve our services to keep you updated about research mobility opportunities. Thank you very much for taking 3 minutes to complete our survey clicking [here](#).

2.2 Launch of Horizon 2020 in Brazil

The EU Delegation to Brazil, EURAXESS Links Brazil and B.BICE+ organized a tour in different Brazilian states between 11 and 18 December to present the new EU framework programme for research and innovation, Horizon 2020.

The events were hosted in 6 federal universities from Recife to Santa Maria (RS) and were opened by the deans or other university representatives. The meetings addressed many researchers, university authorities and other stakeholders interested in the EU-Brazil research collaboration.



Horizon 2020: Become an independent expert for biggest EU research programme yet!

The European Commission has launched a [new call for independent experts](#).

Experts are needed to evaluate proposals for EU funding and for other activities such as monitoring, programme evaluation and policy development.

Interested candidates are invited to file their application online as soon as possible in preparation for the first project proposal evaluations, which will start in 2014. Further information [here](#).

3 News & Developments

3.1 EU and Member States

3.1.1 Horizon 2020 launched with €15 billion over first two years

The European Commission presented the first calls for projects under Horizon 2020, the European Union's €80 billion research and innovation programme, on the 11th of December.. **Worth more than €15 billion** over the first two years, the funding is intended to help boost Europe's knowledge-driven economy, and tackle issues that will make a difference in people's lives. This includes 12 areas that will be a focus for action in 2014/2015, including topics such as **personalised healthcare, digital security and smart cities**.

For the first time, the European Commission has indicated funding priorities over two years, providing researchers and businesses with more certainty than ever before on the direction of EU research policy. Most calls from the 2014 budget are already open for submissions as of now, with more to follow over the course of the year. Calls in the 2014 budget alone are worth around €7.8 billion, with funding focused on the three key pillars of Horizon 2020:

- **Excellent Science:** Around €3 billion, including €1.7 billion for grants from the [European Research Council](#) for top scientists and €800 million for Marie Skłodowska-Curie fellowships for younger researchers.



- **Industrial Leadership:** €1.8 billion to support Europe's industrial leadership in areas like ICT, nanotechnologies, advanced manufacturing, robotics, biotechnologies and space.
- **Societal challenges:** €2.8 billion for innovative projects addressing Horizon 2020's seven societal challenges, broadly: health; agriculture, maritime and bioeconomy; energy; transport; climate action, environment, resource efficiency and raw materials; reflective societies; and security.

Source: [European Commission](#)

3.1.2 €15 million up for grabs to support ICT entrepreneurship and web startups in first round of Horizon 2020 funding

[Within the first round of applications in Horizon 2020], over €15m is available to transform entrepreneurial culture, give students the confidence, know-how and support to set up their own businesses and to help the launch of promising web start-ups in Europe and go global.

Of that €15 million, €5 million is available to help develop and promote ICT entrepreneurship, in particular to high school and university students, and to overcome the fear of failure that prevents people from following through on a bright business idea. The call for funding is particularly targeted at **accelerators, incubators, hubs and clusters and other actors** of the entrepreneurship community.

Funding is available for projects focused on people in their teens and early twenties such as a competition across at least 10 EU countries to find the best business idea, and for ICT Entrepreneurship Summer Academies to inspire and nurture the next generation of digital entrepreneurs. The Commission also wants to support ICT entrepreneurship labs to bring students, entrepreneurs, designers, universities and professors together in experimental spaces to foster innovation driven entrepreneurship. Finally, the Commission hopes to support a pan-EU campaign to change the culture of risk taking in Europe, by identifying role models who share how they have "tried and failed" and "tried and succeeded".

The remaining €10 million is earmarked to support those who have already taken the entrepreneurial leap and established their own start-up. The call is focused on entrepreneurs who use web and mobile technologies as the main part of their business model. Services which can qualify for support are those provided by accelerators, co-working spaces, investors, crowd-funding platforms, tech blogs and other players from the start-up ecosystem. This is a part of the Commission's Start-up Europe initiative and one way to make Europe an exciting and rewarding place for web entrepreneurs to be.



Under this call, the Commission will support two kinds of initiatives:

- projects which develop new services for entrepreneurs in Europe connecting existing local web entrepreneurship ecosystems and hubs, complemented with other relevant activities; and
- activities to increase the impact, accessibility and reach of the online support platforms and the new services which they offer, as well as their link into other relevant initiatives, notably the Start-Up Europe Initiative.

Both calls opened on 11th December and applicants have until **23rd April 2014** to send their proposals to the EU. Potential applicants will get tips and advice at seminars in January:

16 January for web entrepreneurs and startups,

24 January for ICT innovation and entrepreneurship support.

Source: [European Commission](#)

3.1.3 New report shows Europe needs more strategic high-tech investment

Europe remains a main knowledge production centre of the world, but lags behind North America and Asia in fast-growing technologies of the future. This is a key conclusion of the latest **Innovation Union Competitiveness Report** published on the 2nd of December. While Europe continues to lead science and technology for aeronautics, automobiles, clean transport, waste management and renewable energy, the report shows that it risks falling behind in other emerging global growth markets such as health and biotechnology.

Main findings of the report

At EU level:

- The EU is facing increasing world competition, in particular at the higher end of global value chains. In 2011, more than 70% of the world's knowledge creation was taking place outside the EU, and half of the world's scientists and engineers lived outside the EU, US and Japan.
- However, the **EU remains the main centre for knowledge production in the world**, accounting for almost a third of the world's science and technology production. It is also an attractive location for R&D investment.
- Science and technology development in Asia and in the United States is often more strategic than in the EU. It is more focused on transformative technologies oriented towards emerging global markets. The EU's technology assets are more focused on established and traditional industries.

The **Innovation Union Competitiveness report** is published every two years. Based on a very broad range of indicators, covering all 28 EU Member States and six countries associated to the EU research framework programme, the report contributes to the Europe 2020 Strategy for jobs and growth by providing an in-depth statistical and economic analysis of the research and innovation systems of Europe and its main competitors.



At national level

- Countries making sustainable efforts in research and innovation have been more resilient to the economic crisis. In Malta, Luxembourg, Estonia, the Czech Republic, Denmark, Germany, Austria, Croatia, Slovenia and Poland, public investments in R&D have been protected or increased in spite of fiscal constraints.
- Research excellence is the highest in Switzerland, the Netherlands, Denmark, Sweden and Israel.
- The strongest innovation output is found in Sweden, Germany, Ireland, Luxembourg, Denmark, Finland, the United Kingdom and France.
- High-growth innovative enterprises are renewing the firm structure not only in innovation leaders like the United Kingdom and Sweden, but also in Bulgaria the Czech Republic, Slovakia, Portugal, Norway, Cyprus, Hungary and Poland.

To view or download the report, click [here](#).

Source: [European Commission](#)

3.1.4 Adoption of first JRC Work Programme under Horizon 2020

The European Commission adopted the first Work Programme of the Joint Research Centre (JRC) for 2014-2015 under Horizon 2020 on 11th December. The programme is aligned with the European Union's policy priorities, such as overcoming the economic crisis, encouraging the use of renewable energy and tackling climate change.

The new Work Programme guarantees that independent and reliable scientific advice will continue to be available to help the European Commission address the challenges it faces in the following domains: Economic and Monetary Union (EMU); single market, growth, jobs and innovation; low-carbon economy, environment and resource efficiency; agriculture and global food security; public health, safety and security; and nuclear safety and security.

In addition, the JRC will further develop a multi-disciplinary and cross-sectoral approach to provide comprehensive scientific advice on complex issues. It will also continue to reinforce its cooperation with key partners such as the other EU institutions, Member States, the scientific community and industry stakeholders.

Source: [European Commission](#)



3.2 Brazil

3.2.1 Science Without Borders opens registration for professional master's degree abroad

The Science without Borders programme offers scholarships abroad for professional master's. Announced last October by the Minister of Education, Aloizio Mercadante, this type of course - unlike the academic master's - provides more specific training geared towards the labour market. The course lasts for nearly two years.

"It is perfect for those who have already completed a graduation course and need to develop or improve their knowledge to apply it in their professional lives, in a company or industry. We need these type of professionals in order to establish rapid transfer of the science developed at universities and research centres to the industrial and applied world, thus improving our products and services, generating more technology and more wealth for our country", said President Dilma Rousseff, on December 2nd at the "Weekly Radio Broadcast Coffee with the President".

She explained that the scholarships will be offered initially for major U.S. universities, such as Harvard, Columbia, Stanford and Yale. They will cover the same priority areas of Science without Borders, such as engineering, mathematics, chemistry, physics, medical sciences and computing.

Source: [Agência Gestão CT&I](#)

3.2.2 World Science Forum calls for engagement of scientists with new development

The declaration approved by the participants of the 6th World Science Forum (WSF), held last month in Rio de Janeiro, emphasized the need for a new model of development and the responsibility of science in its build-up.

The text calls for intense research efforts, with interdisciplinary and transdisciplinary approaches, in order to meet the growing challenges of global sustainable development, in particular: population growth, climate change, natural disasters, energy and water shortages, growing urban concentrations, epidemics, social inequality and poverty.

The need to rethink scientific initiatives and cooperation in the face of the current inequality in access to knowledge, natural resources, social services and other items is emphasized.

"This involves the construction of a new development paradigm, which combines the possibility of regional social and economic development with the conservation of nature and culture of the indigenous peoples", concluded the participants of the forum.



The content of the document reaffirms the main conclusion of the document "The Future We Want", which resulted from the Rio +20 conference stating that "eradicating poverty is the greatest global challenge facing the world today, and an indispensable requirement for sustainable development".

According to the statement, scientists are ethically responsible for the advancement of science and the use of its benefits for society, both on the individual and the collective levels.,. Moreover, encouraging the dialogue with the general public is indispensable for the development of research in areas with moral and ethical implications.

The seventh forum will be held again in Hungary in 2015 and the eighth edition will be held in Jordan in 2017.

Source: [MCTI](#)

3.2.3 Pintec points out an increase on investments in technology and innovation, but labour force remains a bottleneck

On the 5th December, the Brazilian Institute of Geography and Statistics (IBGE) released the results of the Survey of Innovation (Pintec) between the years 2009 and 2011. The data indicate that 0.71% of the net sales revenue of Brazilian companies has been devoted to research and development in 2011, representing an increase of 0.09 % when compared to the number recorded in 2008.

Altogether, 128 699 enterprises with ten or more employees have created innovative products and/or processes. Investments in innovation in 2011 reached a total revenue of R\$ 64.9 billion, which represents 2.56 % of the net income of the companies.

The data were collected in the following different areas of industries: industry, electricity and gas, engineering, architecture. The Pintec survey is carried out every three years.

One particular issue that concerns the sector is the lack of skilled labour. It was the first time that this problem has been pointed out as one of the two biggest challenges to industry developments. No less than 72.5 % of the surveyed industries assigned high or medium importance to this issue. More challenging than the lack of skilled labour are only the high costs for carrying our research and innovation activities in the country, according to 81.7% of the respondents. The research conducted by Pintec furthermore showed that **biotechnology and nanotechnology companies are the most innovative ones in Brazil**. The first ones reach rates of up to 65.1 % of innovative processes. The latter have even more impressive numbers, with 86.1 % of the surveyed companies reporting at least one innovative project in the period.

Access the survey [here](#).



Source: [Agência Gestão CT&I](#)

3.2.4 MCTI releases R\$ 21 million for technology parks and business incubators

The Ministry of Science, Technology and Innovation (MCTI) will transfer R\$ 21 million to its funding agencies – the National Council for Scientific and Technological Development (CNPq) and the Financier of Studies and Projects (FINEP) - to increase the investment in technology parks and business incubators this year.

According to the Secretary of Technological Development of MCTI, Alvaro Prata, the contribution for innovation will reach approximately R\$ 1 billion with this added amount. This is a considerable increase compared to the period from 2002 to 2012, when investment totalled R\$ 335.4 million.

"We have invested approximately R\$ 672 million only in 2013. We hope to continue investments to stimulate the development and the implementation of new innovative environments", said Prata on the 11th of December at the opening of the 8th meeting of the Advisory Board of the National Programme to Support Business Incubators and Technology Parks (PNI).

Source: [MCTI](#)

3.2.5 Embrapii to open three calls for proposals and accredit 20 units in 2014

The signing of the management contract of the Brazilian Enterprise for Industrial Research and Innovation (Embrapii) with the Federal Government, which took place on the 5th December, is the starting point for investments of R\$ 4.5 billion over the next six years. The Director-President of the organization, Fernando João de Oliveira, indicated that the system should accredit up to 20 units in 2014.

"We have R\$ 270 million to initiate the structuring and the operation", said Oliveira. "In this first stage, we plan to open three calls for proposals, aimed at reaching 23 Embrapii units by the end of next year, including five innovation clusters related to federal institutes and three units of the pilot project, which have already been tested and have ongoing projects".

According to Oliveira, the intention of Embrapii is to finish the first term of the contract, after six years, with 40 accredited science and technology institutions. "That would approach the size of the Fraunhofer system, which has 66 units today", Oliveira said, comparing the Brazilian initiative to the German organization that served as a reference.

Besides Oliveira, the management contract was signed by the Minister of Science, Technology and Innovation, Marco Antonio Raupp, and the Minister of Education, Mercadante, the President



of the Administration Board of the social organization, Pedro Wongtschowski, and the Secretary of the Ministry of Development, Industry and Foreign Trade, Nelson Fujimoto.

The model of the social organization applied here allows the sharing of resources among the three partners: the company responsible for the project, the federal government and the research institution which should provide the infrastructure, the machinery and the human resources. Each of the three parties involved will cover a third of the total investment.

Wongtschowski highlighted the government's ambition in providing for investment of R\$ 1.5 billion over a six years period. "This, amounts to a total investment of R \$ 4.5 billion", said the President of the Administration Board. "All recent initiatives, especially the Plan Inova Empresa, indicate that there is indeed demand for the funding for innovation."

In the opinion of Wongtschowski, the "big hand" of the Brazilian State and the unit will allow the company to launch higher risk projects. "Embrapii will not have facilities for research and development, but will accredit existing research groups in institutions of science and technology, innovation clusters of universities or Senai institutes of innovation", he explained "These entities will receive funds in exchange for the obligation to bring the private company into the projects, thus promoting innovation."

Scheduled for February or March 2014, the first call for selection of new units should establish a set of minimum eligibility criteria for an entity to apply. " Then we will have a rigorous evaluation process", explained Oliveira, President of Embrapii". We will visit the institutions, they will have to defend their business plans and demonstrate that they really will be able to meet industrial demands."

After having gone through a validation process, as he explained, the three units of the pilot only need to submit their updated plans to Embrapii. Since 2011, the Institute of Technological Research (IPT), of Sao Paulo, the National Institute of Technology (INT/MCTI) of Rio de Janeiro, and the Center for Integrated Manufacturing Technology and the National Service of Industrial Learning (Cimatec/Senai), of Bahia have been operating in the preliminary phase.

Source: [MCTI](#)

3.2.6 Second phase of Start-Up Brazil with 709 registered companies

The second call of the Start-Up Brazil program has received 709 entries, 531 of Brazilian technology-based companies and 178 of foreign ones.



Now the projects will be reviewed by a committee composed of 20 members. Applicants have to present a business model, a technology solution offered and the curriculum of the team of researchers. The alignment of the project with the guidelines of the TI Maior programme will then be assessed as part of the application process. A total of fifty proposals will be selected, 12 of which will be reserved to international companies.

After the selection, the CNPq will transfer R\$ 200,000 for each start-up developing the projects presented. According to the Director of Information Technology Policies, Rafael Moreira, proposals are now more consistent than those of the first call of the programme.

"We realized that the level is higher. This shows how the system is maturing", says Moreira. The number of submitted projects was 21.9 % lower than in the first stage. He explained that the result was expected. "At the launch first call there had been a previous repressed demand from the companies because there had never been a call for start-up companies before. Another important factor was the launching of similar initiatives in parallel this year, such as the Start-Ups Brazil in Minas Gerais and São Paulo", he said.

Looking at the proposals for international startups, the United States tops the list with 14.6 % of registered projects, followed by Argentina (13.4%), Chile (11.8%) and India (5.5%). Also companies from Cyprus, Trinidad and Tobago, Turkey and Ukraine are participating in the selection.

Source: [MCTI](#)

3.3 Cooperation EU, Member States, Brazil

3.3.1 Educational exchange with France is strengthened

On the 12th of December, the Science without Borders programme (SwB) from the federal government was reinforced with France, under a new memorandum of understanding aimed at broadening the exchange of students and researchers between Brazil and the European country. The agreements were signed in ceremonies at the Presidential Palace and the National Museum, in Brasilia, with the presence of the French President, François Hollande.

The programme will offer internships for students of SwB in companies in France and Brazil, the professional master at institutions in the European country and the launch of the online course French without Borders, to facilitate the learning of the language. The arrival of 20 French teachers in the country to conduct classroom courses at universities that do not offer French language classes is also provided.

The bilateral cooperation documents were signed by the Brazilian Minister of Education, Mercadante, and the Minister of Higher



Education of the European country, Geneviève Fioraso. The meeting at the National Museum was attended by the rector of the University of Brasilia (UNB), Ivan Camargo, and SwB fellows.

Mercadante classified the balance of the partnership with France as "extraordinary". So far, nearly 5000 fellows have been sent to France under the Science without Borders programme. "It is a very rich cooperation in the education field. There is a lot of tradition in this relationship between Brazil and France which today we are renewing and expanding", the minister said.

"Brazil and France, by their history, have prepared to meet the challenge of democracy and development. Today the challenge is globalization", said Hollande, who stressed the role of education in this process and the importance of the partnership. "France is proud to be the third country receiving more Brazilian students, and the first one in Europe. We want to double that presence", he said.

Source: [MCTI](#)

3.3.2 Brazil expands partnership with France on technology transfer

Brazil and France signed agreements on the 12th of December in science and technology for the transfer of technology and knowledge, at the occasion of the visit of the French President, François Hollande.

The treaty covers the installation of an infrastructure of high performance computing and technology transfer to the Brazilian geostationary satellite for defense and strategic communication and new actions under the Science without Borders programme.

The guidelines established by the Brazilian Presidency is that the country soon will appear among the world powers in the field of computing. The agreement requires the Brazilian government to promote the production of supercomputing products and services. In order to achieve that, it will acquire a supercomputer of the French company Bull and will install two research centres, both in the state of Rio de Janeiro.

The first one will be in Petrópolis, in partnership with the National Laboratory for Scientific Computing (LNCC/MCTI). The second one will be in the state capital, installed at the Alberto Luiz Coimbra Institute for Post-graduate Studies and Research in Engineering (COPPE).

Another agreement signed last week was the construction of a new geostationary satellite for defense and strategic communication. The French company Thales Alenia Space will be in charge of the construction of the equipment. It will serve to bring broadband internet to municipalities that do not have this type of



service offered by Telebras and for communication within the government. The equipment will be launched by the European consortium Arienespace, still without a stipulated date .

Source; [Agência de Gestão CT&I](#)

3.3.3 Finep renews technological cooperation agreement with Spain

The Financier of Studies and Projects (FINEP) and the Centre for Industrial Technological Development (CDTI), an agency of the Spanish government, renewed their technological cooperation agreement on the 12th of December. The new agreement was signed between the President of FINEP, Glauco Arbix, and the director general of CDTI, Elisa Maria Robles Fraga.

The new agreement will promote innovation in companies, technological centres and universities of both countries, as well as the exchange of knowledge and good practice between institutions. A meeting in the first quarter of 2014 is envisaged, with the objective of defining a work plan for the next 12 months.

FINEP and CDTI undertake to fund national organizations to develop projects of common interest. Actions will be prioritized in strategic areas, such as renewable energy and biofuels, information and communication technologies; agrifood technologies and health and industrial technologies.

Selection will be through public announcements. Proposals should include criteria such as the degree of innovation of each country, the financial capacity of the partners to develop the project, the degree of commitment of the participants and the impact that may result in the development of each country's economy.

The partnership between FINEP and CDTI began in 1996 with the first Memorandum of Understanding. In 2006, a Technology Cooperation Agreement was signed, in which the institutions undertook to collaborate in order to promote technological cooperation between companies from the two countries, especially small and medium enterprises.

Source: [MCTI](#)



MATH-AmSud and STIC-AmSud are initiatives of the French cooperation with Argentina, Brazil, Chile, Peru and Uruguay and aim to strengthen the collaboration and the creation of research networks in the fields of mathematics (MATH), science and information and communication technologies (STIC), between South America and France.



2013-2014

ALEMANHA+BRASIL

Quando ideias se encontram

This activity is part of the Season Germany+Brazil from 2013 to 2014 and is being produced with the Ministry of Foreign Affairs of Germany, the Federation of Foundations for the Promotion of Science (für die Deutsche Wissenschaft Stifterverband) and the Ministry of Science, Technology and Innovation (MCTI), the subsidiaries of Siemens, Volkswagen and ZF Brazil Siemens and Volkswagen and the Convention Center Frei Caneca.

In addition, the Tunnel of Science of the Max Planck Society receives institutional support of the Brazilian Society for the Advancement of Science (SBPC), the Brazilian Society of Physics, the Federal University of São Paulo (UNIFESP) and German House of Science and Innovation São Paulo (DWIH - SP).

3.3.4 Programs of cooperation between France and South American countries selects 19 new research projects

The Coordination of Improvement of Higher Education Personnel (Capes) released the results of the selection of joint research projects for the Capes/MATH-AmSud and Capes/STIC-AmSud programmes on 6th of November. 19 new research projects were selected and 11 were renewed.

Each project must plan its activities considering the maximum duration of two years. The funding will include conducting research missions (missions work and study missions) among participating groups, including the realisation of workshops and/or intensive schools (short courses) which would allow the participation of teachers and students.

For more information please contact:

mathamsud@capes.gov.br and sticamsud@capes.gov.br.

Source: [CAPES](#)

3.3.5 Tunnel of Science of the Max Planck Society arrives in Brazil in January

The date of passage of the Science Tunnel of the Max Planck Society at São Paulo has been set: the multimedia scientific exhibition can be visited from January 29 to February 28 2014 at the Convention Center Frei Caneca (Rua Frei Caneca, 569, Consolation). The show covers eight areas of basic research: the universe (from quarks to the cosmos), matter (design of the microscopic world), life (from elements of systems), complexity (from data to understanding), brain (factory of wonders in the head), health (search for the medicine of the future), energy (life at the anthropocene) and society (the world in mobility).

The Max Planck Science Tunnel is intended for all who are interested in the solution of relevant questions for the future, particularly students. One of the goals of the show is to motivate students to take an interest in a scientific career.

Learn more about the Max Planck Science Tunnel [here](#).

Source: [German Embassy in Brazil](#)

3.3.6 CNPq (Brazil) and IRD (France) initiate a review of International Joint Laboratories

The CNPq and the French Research Institute for Development (IRD) initiated the joint assessment of the International Joint Laboratories (LMI) on the 9th December.

The LMI are operational units for research and training, physically implemented in the partner countries of the IRD. The purpose of the event is to initiate the process of joint evaluation of the LMI



and its multidisciplinary projects in the areas of knowledge in which they operate.

The ceremony was attended by the Director of Institutional Cooperation of CNPq, Liane Hentschke, the Scientific Director General of IRD, Bernard Dreyfus, the Vice-Rector of the Universidade Federal Fluminense (UFF), Sidney Mello, and the Deputy Director of the Institute of Geosciences of the University of Brasilia (UNB), Ali Dermeval do Carmo.

In 2009, the IRD funded the establishment of two LMI in Brazil, the LMI Paleotracas, based at the Universidade Federal Fluminense (UFF), and LMI OCE, based at the University of Brasilia (UNB).

CNPq was invited by the IRD to participate in the joint review process to be conducted by a Trial Committee, composed of three Brazilian researchers and three French researchers, carried out on 10th and 11th December at UNB and FFU, respectively.

Source: [CNPq](#)

3.3.7 FAPESP agreements with companies mobilize investments of R\$ 114 million

The Foundation for Support to Research of the São Paulo State (FAPESP) signed four cooperation agreements with companies to implement research centres in strategic areas for technological development in the State of São Paulo in the last 12 months.

Through these agreements, FAPESP and partner companies - BG Brazil , GlaxoSmithKline Brazil, Peugeot Citroën Brazil and Natura - will share investments of R\$ 114 million for a period between five and 10 years, in research focused on applications in the areas of energy, sustainable chemistry, engineering combustion engines, neuroscience and behavioural sciences. To this amount will be added the contributions of the institutions that will host the Centres, in the form of operating expenses and salaries.

"The purpose of these agreements is to develop partnerships in advanced research, requiring longer periods, and more structured, in such a way to establish a medium and long term dialogue between universities and companies around the challenges of research", said Carlos Henrique de Brito Cruz, scientific director of FAPESP.

Source: [Agência FAPESP](#)

3.3.8 Portuguese speaking countries will create S,T&I strategic plan

Portuguese speaking countries met on the 12th and 13th of December in Lisbon to discuss the creation of a single strategic plan for science, technology and innovation (S,T&I) .



Each member of the Community of Portuguese Language Countries (CPLP) should appoint representatives to compose the group to set up the strategic programming between the years 2014 and 2017.

Discussions started in 2012, with a special support from Brazil to this cause. The country maintains multilateral cooperation in biological sciences, sea, social and human; open access to knowledge among members; management of water resources; earth observation; popularization of science, food and nutrition security; information and communication technologies (ICT); and sensitive goods.

Besides Brazil, Angola, Cape Verde, East Timor, Guinea-Bissau, Mozambique, Portugal, and São Tome and Principe and comprise the Community of Portuguese Language Countries.

Source: [Agência CT&I](#)



4 Grants & Fellowships

4.1 European Union

4.1.1 Horizon 2020 - 145 calls already published

145 calls have already been published on 11 December under the new EU framework programme for research and innovation, [Horizon 2020](#).

The calls are worth more than €15 billion over the first two years and cover a wide range of research fields, from basic research to social sciences and humanities, and including various funding schemes, from international project-based grants to individual fellowships.

See the [Participant portal](#) to access the calls.

4.1.2 Calls still open under the 7th Framework Programme

Below is a list of all calls still open under FP7. You can click on each of them for full details. Source: [Research and Innovation Participant Portal](#).

Capacities	Launched	Deadline
Support for the coherent development of research policies	14 November 2013	15 April 2014

Cooperation	Launched	Deadline
Joint technology initiative (IMI JU)	28 October 2013	28 January 2014
Joint technology initiative (IMI JU)	10 December 2013	8 April 2014
Joint technology initiative (FCH JU)	27 November 2013	27 February 2014

4.1.3 Research fellowships at the European Space Agency

Researchers from one of ESA's Member or cooperating states can submit applications at **any time during the year**. The evaluation process of the applications usually starts in October.

More information [here](#).



4.2 EU Member States and Associated Countries

4.2.1 BELGIUM – Doctoral and post doctoral Scholarship for Excellence IN.WBI



The programme is open to foreigners wishing to follow a doctorate or post-doctorate programme in a University of Wallonia-Brussels in the following fields:

- Transport and logistics;
- Mechanical engineering;
- Life sciences;
- Agro-industry;
- Aviation-space;
- Environmental technologies.

Other fields may be considered, including human sciences, and fundamental or applied research.

Deadline: **1 March 2014**. More details on [WBI website](#).

4.2.2 FRANCE – Europole Mer Call for projects International cooperation with Brazil and WHOI

Europole Mer, the research consortium on marine science and technology in Brittany, launched a call for projects aiming at establishing new collaborations or enabling existing but not yet implemented projects.

Deadline: **20 February 2014**. See [the call](#) for more details.

4.2.3 FRANCE – BRAZIL CNRS-FAPESP Call for bilateral projects –

Call for Proposals for the exchange of **researchers, doctoral and post-docs fellows**, under the Scientific Cooperation Agreement between the São Paulo Research Foundation and the CNRS.

Researchers affiliated with Higher Education and Research Institutions in the State of São Paulo and with CNRS laboratories in France are invited to submit research proposals for the exchange of researchers, doctoral and post-docs fellows between the State of São Paulo and France. Any scientific field. Duration of projects: 2 years.

Deadline: **29 January 2014**. More details: on [CNRS side](#) (in English) and on [FAPESP side](#) (in Portuguese).

4.2.4 GERMANY - PhD in North American Studies at Freie Universität Berlin

The Graduate School of North American Studies invites applications for 10 Doctoral Grants. Deadline: **31 January 2014**. See the [call](#) for more information.



4.2.5 GERMANY – ISRAEL Human Rights under Pressure: 14 PhD & 2 PostDoc Fellowships

Freie Universität Berlin and The Hebrew University of Jerusalem launched a new joint 3-year interdisciplinary Doctoral Program entitled “Human Rights under Pressure – Ethics, Law and Politics” (HR-UP), funded by the German Research Foundation (DFG) and the Einstein Foundation Berlin.

Opening its doors in the fall of 2014, HR-UP offers 14 young researchers (7 in Berlin and 7 in Jerusalem) a unique opportunity to conduct cutting-edge research on the most pressing contemporary challenges for human rights, including issues arising from crises and emergencies, globalization and diversity.

Doctoral researchers admitted to the program will receive **competitive fellowships** and mobility funds for research terms at the partner university. They will be jointly supervised by senior researchers from Germany and Israel, and participate in both jointly and locally held courses, including a two-week introductory intensive course in Jerusalem, joint interdisciplinary colloquia, research ‘master-classes’, and three annual summer schools in Berlin. The program also includes **two post-doctoral positions** (one at each university).

The deadline for applications is **27 January 2014**. For further information, and to apply, visit the [program website](#). See the call for applications [here](#).

4.2.6 BRAZIL - GERMANY: grants for post doctoral and experienced researchers

Funded by Capes and the Alexander von Humboldt (AvH) Foundation, the grants are open to all areas of knowledge to carry out research in Germany.

Deadline: **31 January 2014**. Details on [Capes website](#).

4.2.7 UK (Scotland) - 8 scholarships for PhD in physics

The call for applications was launched by the Scottish Universities Physics Alliance (SUPA). It is open to outstanding students from anywhere in the world.

Deadline is **31 January 2014**. Details: [here](#).

4.3 Brazil

4.3.1 FAPERJ reverse sandwich PhD: promoting internationalization

The “reverse-sandwich” doctoral scholarship is intended to PhD students enrolled in foreign institutions, with proven satisfactory academic performance, for a stay (internship) of 4 to 12 months in a Rio de Janeiro State based post-graduate program.

For researchers based in Brazil.



The scholarship is offered in various areas of knowledge, as a way of enhancing the internationalization efforts of PhD Programs headquartered in the state of Rio de Janeiro. The internship must contemplate, mainly, research of interest to the PhD Programs of institutions headquartered in the State of Rio de Janeiro, aiming to increase the joint scientific and technological production with foreign institutions.

Applications must be submitted by the PhD students's co-advisor in the State of Rio de Janeiro. Successful proposals will provide the PhD student with a 3.000,00 Brazilian Reais monthly scholarship plus air travel costs, 250,00 R\$ monthly for the health insurance of the student's preference, and 3.000,00 for the student's initial settling in Rio de Janeiro.

The submission of applications can be made until **13 March 2014**, and the dissemination of the results is scheduled to take place from the 10th of April, with the inception of the grants from June.

See the call for applications [here](#). Source: [FAPERJ](#)

4.3.2 FAPESP - Fellowships abroad

The São Paulo Research Foundation offers 2 types of fellowships for researchers linked to research institution based in the state of São Paulo:

- **Research Fellowships Abroad (BEPE)**, for scientists who have a permanent position in a research institution in the State of São Paulo and obtain a leave of absence to develop a research project in a foreign institution.

Applications: **Throughout the year**. More details (in PT): [FAPESP](#)

- **Research Internships Abroad (BPE)**, for undergraduate and graduate students and post-doctoral researchers with an ongoing FAPESP fellowship who are pursuing a **short or medium term research internship in a research institution abroad**. Duration : 1 month to 1 year.

Applications: **Throughout the year**. More details: fapesp.br/6811

4.3.3 FAPESP - University of Cambridge call for proposals in biological science

Interested researchers affiliated with Higher Education and Research Institutions in the State of São Paulo, Brazil, and with CAMBRIDGE, are invited to submit research proposals for the exchange of researchers, post-doctoral fellows and PhD fellows, between the State of São Paulo and the UK.

FAPESP will provide the equivalent of up to £5,000.00 per proposal per year and the University of Cambridge will provide funding of up to £5,000.00 per proposal per year, for the duration



of the grant to cover mobility expenses. The maximum duration of each project is 24 months, non-extendable.

Deadline: **24 March 2014**. Details [here](#).

4.4 Calls still open

(see previous newsletters for more details)

Erasmus Mundus 2014 Call for proposals Action 2 (partnerships): open to European higher education institutions and institutions in other countries. Deadline for submission of applications is **3 March 2014**. Access the call on the [Erasmus Mundus website](#).

BE Mundus scholarships for Brazilian and European students, researchers and staff mobility

For post-graduates and staff, see the presentation in [English](#) and [Portuguese](#) for more details. Deadlines: **15 February 2014**. For more information on BE Mundus: www.bemundus.eu or info@bemundus.eu.

International Institute for Applied Systems Analysis (IIASA): Young Scientists Summer Program (YSSP) open to PhD students on real life global issues such as climate change, energy, food & water, economics, and poverty. Deadline: 13 January 2014. Further information: [IIASA](#)

BELGIUM – FWO PhD and postdoc fellowships

The FWO-Vlaanderen (funding agency of Flanders) offers the following scholarships:

- **Ph.D. fellowships:** Open to young EU, ERA and Swiss researchers doing their PhD at a Flemish university. All topics.
- **Special Ph.D. fellowship for employed researchers to obtain a one-year study leave and complete their PhD.**
- **Postdoctoral 3 years fellowships**
- **Pegasus Marie Curie Postdoctoral Fellowships (short)**
- **Pegasus-short (1 year) Postdoctoral fellowships** at a Flemish university in:
 - Biological sciences
 - Humanities
 - Social sciences
 - Medical sciences
 - Exact and applied sciences

Deadlines: **1 February 2014**. More information on the [FWO website](#).

- **France - EIFFEL PhD scholarships.** Deadline for receipt of applications by Campus France : **8 January 2014** Further details available on the [Campus France website](#).

GERMANY – Fellowships for the Bremen International Graduate School of Social Sciences (BIGSSS)





- 15-18 Ph.D. Stipends/Fellowships
- 2-3 Postdoctoral Positions
- 1-2 Predoctoral Fellowships for BA Graduates

More information [here](#). Deadline **15 February 2014**.

☐ **GERMANY: Seven Incoming Postdoctoral Fellowships at TU Berlin for Female Researchers** of all nationalities and from all fields of research. Deadline: **15 January 2014**. See details [here](#).

☐ **GREECE (Onassis Foundation): Incoming Fellowships for** foreign University Professors of all levels (Ph.D. holders), postdoctoral researchers (Ph.D. holders), artists, post-graduate students and PhD candidates. More information [here](#). Deadline: **31 January 2014**.

☐ **HOLLAND - Orange Tulip Scholarship Brazil:** open to qualified Brazilian students to obtain a bachelor's, master's or MBA degree at Dutch institutions. The scholarships apply to several fields of study, mainly the ones not included in the Science without Borders program, such as Administration, Engineering, Law, Social Sciences and the Humanities. Deadline: **24 March 2014**. Details on [Nuffic Neso Brazil website](#).

☐ **LUXEMBOURG - INTER Mobility Programme:** funds Post-Docs and senior researchers mobility in both directions for research stays between 6 weeks and 1 year. Deadline: **20 January 2014**. Further details: [FNR website](#).

☐ **LUXEMBOURG - ATTRACT 2014:** Open to foreign outstanding researchers with minimum two and maximum eight years' professional experience since completion of doctoral studies to set up an independent research team within a public-sector research institution in Luxembourg that is willing to host them. 5 years projects. Deadline: **3 February 2014**. See the call: [FNR website](#).

☐ **NETHERLANDS - Innovational Research Incentives Scheme Veni:** 3 years grant for **young researchers** (PhD obtained within the last three years). **All fields** are covered by this scheme. Deadline: **7 January 2014**. More on [the Netherlands Organisation for Scientific Research \(NWO\) website](#)..

☐ **PORTUGAL – CMU Portugal Doctoral Program Scholarships: PhD Scholarships,** taking place in Portugal and at the Carnegie Mellon University (CMU - US). Deadline: **15 January 2014**. Details: [FCT website](#).

☐ **SWITZERLAND - Swiss National Science Foundation (SNSF) Advanced Postdoc Mobility: outgoing research stay of 12 months up 36 months.** Deadline: **1 February 2014**. Find out more on the [SNSF website](#).

☐ **FAPESP – Universities of Nottingham and Birmingham (UK):** support of research projects involving research collaboration, workshops and the exchange of researchers and post-doctoral fellows in **all fields of knowledge**. See the [call](#).

Postdoctoral mobility fellowships for Swiss nationals or permanent residents



Deadline: **20 February 2014**.

□ **FAPESP - GlaxoSmithKline - Call for Proposals for establishing a centre of excellence in Sustainable Chemistry.** Deadline for submission of proposals is 21 February 2014. See the [call for proposals](#) for details.

□ **FAPESP – Keele university (UK) call for proposals** to select a **clinical researcher in Tropical Disease** with research interests in insect borne diseases that complement the research interests of Keele University Centre for Applied Entomology and Parasitology.

Deadline: 24 January 2014. More details in the [call for proposals](#).

□ **Berthold Leibinger Innovation Award in laser technology:** Innovators of laser technology can compete for the German Berthold Leibinger Innovation Award until **31 December 2013**. For further information, please access their [website](#).

□ **Call for papers** for the session on [climate and geodynamic changes of the Amazon basin](#) proposed by the CLIM-AMAZON project to take place during the **European Geosciences Union General Assembly 2014** (Vienne, Austria, 27 April - 2 May 2014). **Deadline: 16 January 2014.** More information [here](#).

5 Jobs

5.1 EURAXESS Jobs

There are currently 6285 research jobs and fellowship programmes (all over Europe but also in other countries such as in Brazil and in all disciplines) accessible via the [EURAXESS Jobs database](#).

The latest jobs published in the portal cover a vast array of research fields, among medical sciences, Medical sciences, Chemistry, sociology, Juridical sciences, Economics, astronomy, computer science, literature, language science, philosophy and history.

5.2 300 permanent researchers positions at CNRS (France)

Positions available in all scientific fields. More information and application [on line](#). **Deadline: 6 January 2014.**

5.3 Post-doc positions in Experimental High Energy Physics

The São Paulo Research and Analysis Center (SPRACE) is opening two postdoctoral positions for outstanding research fellows to work in association with the UNESP group on the Compact Muon Solenoid (CMS) experiment of the CERN Large Hadron Collider (LHC).

Deadline: 28 February 2014. More details [here](#).



For more information on **Clim-Amazon**, see the [EU funded project website](#).



Research organizations:
EURAXESS helps you find your European and non-European research talents!

Publish your research vacancies directly on the EURAXESS job portal and increase your offer visibility. It is [easy and free of charge](#).

A short video explains how to post job vacancies in 4 steps ([in English](#) and in [Portuguese](#)).



6 Events

Event (click for more details)	Location	Date
Symposium on Excellence in Higher Education	São Paulo, SP	23-24 January 2014
Max Planck Science Tunnel	São Paulo, SP	29 January - February 28 2014
Brazilian Synchrotron Light Laboratory (LNLS) 24th Annual Users Meeting (see also satellite events)	Campinas, SP	11-12 March 2014
17th International Academy of Management and Business 2014 Spring Conference	São Paulo, SP	9 – 11 April 2014
12th World Congress on Endometriosis	São Paulo, SP	30 April - 3 May 2014
13th International Conference on Public Communication of Science and Technology	Salvador, BA	5-8 May 2014
Brazilian Association of Technology Research Institutions (Abipti) Congress	Brasília, DF	6 – 8 May 2014
HIV Drug Therapy Congress	Rio de Janeiro, RJ	7-10 May 2014
Adaptation Futures 2014	Fortaleza, CE	12-16 May 2014
66th annual meeting of the Brazilian Society for the Progress of Science (SBPC)	Rio Branco, AC	22-27 July 2014
44th Annual Meeting of the International Continenence Society	Rio de Janeiro, RJ	20 - 24 October 2014