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ENRICH MONTHLY



MONTHLY BUSINESS & INNOVATION NEWS COMPILED BY ENRICH IN LAC





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Country Profile: Uruguay



The European Union's cooperation with Uruguay is now a mature cooperation focused on issues of common interest to both parties

IDIH Project



International Digital Health Cooperation for Preventive, Integrated, Independent and Inclusive Living

ENRICH IN LAC Funding Guide



How to get Funding from EMBRAPII to support RTI Cooperation between Brazil & Europe?

Alameda Franca, 1050 10o. andar, Jardins São Paulo - SP — Brazil https://lac.enrichcentres.eu/contact-us/











EDITORIAL



Dear Reader,

a warm welcome and thank you for your time and interest in our February edition of the ENRICH Monthly. In each edition we provide you with the latest Science, Technology and Innovation related news from Europe, Argentina, Brazil, Chile, Colombia and Uruguay.

International cooperation in research and innovation is not a choice but a necessity. Scarce funding resources, infrastructure, and most importantly talent should bring the countries together to solve the societal challenges of the 21st century together. Therefore, the ENRICH in LAC Initiative prepared the Funding Guide to support international cooperation endeavors of innovative Brazilian companies by explaining the steps of getting support from the Brazilian Agency for Industrial Research and Technological Innovation (EMBRAPII) as they participate in a number of bilateral and multilateral initiatives with European funding organizations. The ENRICH in LAC Funding Guide clarifies the required processes and makes suggestions for Brazilian and European STI actors, mainly the innovative companies on how to engage and sustain bilateral/multilateral collaboration.

Uruguay is the smallest Spanish speaking country in South America with a population of only 3,4 million inhabitants. Relations between the European Union and Uruguay have intensified since the Framework Cooperation Agreement was signed in 1992, improving political and economic dialogue. By now, cooperation between the European Union and Uruguay is mature and focused on issues of common interest to both parties. Learn more about Uruguay's Economic, Science Technology and Innovation (STI) Landscape, National STI Priorities and Funding opportunities in Horizon Europe.

If you enjoy reading ENRICH Monthly e-magazine, please do not hesitate to recommend it to your peers and share the following subscription <u>link</u>. We also welcome your feedback by <u>e-mail</u>.

All the best for you, ENRICH in LAC Team

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LAC AND EUROPEAN UNION

Publication of the EU Industrial R&D Investment Scoreboard 2021

The 2021 Industrial R&D Investment Scoreboard has been published by the European Commission's Joint Research Centre (JRC). The main objective of the EU Industrial R&D Investment Scoreboard (the Scoreboard) is to benchmark the performance of EU innovation-driven industries against major global counterparts and to provide an R&D investment database that companies, investors and policymakers can use to compare individual company performances against the best global competitors in their sectors.

The 2021 edition of the Scoreboard analyses the 2500 companies that invested the largest sums in R&D worldwide in 2020. These companies, with headquarters in 39 countries, and more than 800k subsidiaries all over the world, each invested over €36 million in R&D in 2020. The total investment across all 2500 companies was €908.9bn, an amount equivalent to 90% of the world's business-funded R&D.

The report analyses companies' R&D, patents and other financial performance indicators over recent years, focusing on the comparative performance of EU companies and their global counterparts. Moreover, it includes a patent-based analysis showing the positioning of the EU in green technology for energy intensive industries; and a study exploring the role of the Scoreboard companies in achieving the UN's sustainable development goals (SDGs).

Further information: The 2021 EU Industrial R&D Investment Scoreboard | IRI (europa.eu)

EUROPEAN UNION



EU Parliament Study on Key Enabling Technologies

Technological sovereignty has been at the heart of recent political debate in the EU. Interest has only been strengthened by the Covid-19 pandemic crisis, due to its impact on many value chains. Key enabling - advanced manufacturing and technologies materials, life-science technologies, micro/nanoelectronics and photonics, artificial intelligence, and security and connectivity technologies - are crucial for an interconnected, digitalised, resilient and healthier European society, as well as being important for the EU's competitiveness and position in the global economy. This European Parliament's Panel on the Future of Science and Technology study analyses how the EU is performing in developing and protecting ownership and know-how in these critical technologies, especially in comparison with strong global players such as China and the USA. Based on the challenges identified in the analysis, it discusses policy options for strengthening the EU's technological sovereignty in key enabling technologies.

Further information: <u>EPRS STU(2021)697184 EN.pdf</u> (europa.eu)

2022 EU4Health work programme adopted to invest over €835 million in health

The EU4Health programme is the EU's most ambitious public health response to the COVID-19 pandemic, which is having a significant impact on patients, healthcare professionals and health systems in Europe. EU4Health will go beyond a mere crisis response to make health systems more resilient.

In accordance with <u>Regulation (EU) 2021/522,</u> The Programme will provide funding to eligible bodies, health organisations and NGOs from EU countries or from non-EU countries associated with the Programme.

The European Commission has adopted the second EU4Health work programme. In 2022, the EU4Health will continue to invest in building stronger, more resilient health systems and pave the way for the European Health Union. With a budget of over €835 million, the new work programme will provide an unparalleled level of EU investment in health and ensure ambitious and decisive action in four focus areas: crisis preparedness, disease prevention, health systems and healthcare workforce, and digitalisation.

Further information: <u>21 11 19 Annex I - track changes</u> (europa.eu)

LAC AND

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Ljubljana Declaration on Gender Equality in Research and Innovation

The <u>Ljubljana Declaration</u> was adopted at the EU Competitiveness Council under the Slovenian Presidency. The declaration reiterates the importance of gender equality objectives, including gender equality in research careers, gender balance in decision-making, and the integration of the gender dimension in research and innovation content. Gender equality is recognized as a driver for optimal and sustainable research and technological systems. Therefore gender equality and inclusiveness must be ensured as central to the Pact for R&I in Europe, and across its links with complementary European initiatives such as through higher education, innovation ecosystems, international cooperation and Cohesion policy funds.

The member states and other countries need to join forces to strengthen the commitment to the implementation of gender equality and gender mainstreaming in the new European Research Area and to outline the priority areas to be addressed to foster an inclusive European Research Area for all. The joining parties committed to the following priorities and activities to ensure all are equally able to participate in the delivery of high-quality R&I to address our greatest challenges:

- ➤ Ensure fair, open, inclusive and gender equal career paths in research, and consider intersectional perspectives on gender inequalities;
- ➤ Facilitate mutual learning opportunities through form-follows-function robust governance;
- Employ existing and newly developed tools, such as Gender Equality Plans, to facilitate systemic institutional change and remove institutional barriers;
- Address and counteract gender-based violence;
- ➤ Support active monitoring and evaluation to ensure continuous improvement; and
- ➤ Leverage synergies to enhance gender equality achievements within the European Research Area, but also within complementary fields such as the European Higher Education Area, Cohesion policy funds, innovation ecosystems, as well as in international cooperation.

Further information: Ljubljana Declaration

Europe launches first large-scale 6G Research and Innovation Programme

The newly created Joint Undertaking on Smart Networks and Services towards 6G (SNS JU) adopted its first Work Programme 2021-2022 with an earmarked public funding of about € 240 million. The Work Programme 2021-2022 will fund activities ranging from 5G evolution including large-scale trials and pilots with vertical industries to frontier research towards 6G systems.

The European partnership on Smart Networks and Services (SNS), a Joint Undertaking co-led by industry and the Commission with close involvement of Member States, sets the strategic R&I roadmap for Europe. The initiative builds on an EU contribution of €900 million over the next 7 years to be matched by the private sector with the same amount. The aim is to enable European players to build the R&I capacities for 6G systems and develop lead markets for 5G infrastructure as a basis for the digital and green transformation.

This Work Programme 2021-2022 builds the first phase of the SNS roadmap and will expand the <u>early wave of European 6G projects</u> launched in January 2021 under the 5G-PPP. The four Streams will evolve into new frontier research, proof of concept, standardisation, and deployment in subsequent phases or open new opportunities for technology development across the broader supply chain such as microelectronics or cloud based service provisioning.

Further information: <u>Europe launches first large-scale</u> 6G Research and Innovation Programme | Shaping <u>Europe's digital future (europa.eu)</u>

EUROPEAN UNION



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The MINCyT will award \$200 million to 31 projects of the "ImpaCT.AR Science and Technology" Program

A new award was approved to initiatives throughout the country that respond to challenges presented by public bodies in the search for solutions to challenges that require scientific knowledge or technological development for their resolution. With the aim of strengthening the impact of science, technology and innovation in the construction and application of public policies, Resolution 2022-224-APN-SACT#MCT approved the award of financing for 31 new projects for a total of \$199,249,126. They were prepared by organizations of the scientific and technological system and aim to respond to the demands requested by state agencies.

The "ImpaCT.AR Science and Technology" program aims to promote research and development projects aimed at providing support to public bodies — at all levels — in the search for solutions to challenges of public interest, which require scientific knowledge or technological development to achieve their resolution, and thus a positive effect on society.

This initiative aims to strengthen the impact of science, technology and innovation in the construction and implementation of public policies. The "ImpaCT.AR Science and Technology" program is a call aimed at promoting joint initiatives between scientific-technological institutions and public bodies such as national ministries, public companies, provincial governments, municipal governments, among others.

Further details: The MINCyT will award \$200 million to 31 projects of the "ImpaCT.AR Science and Technology" Program | Argentina.gob.ar

Competitions to enter Science and Technology Organizations: an opportunity for the development of the professional career

In March, the first stage to fill positions in the Science and Technology Organizations will begin. Within the framework of the Comprehensive Plan for the Strengthening of human resources of Science and Technology Organizations belonging to the National Public Administration, created by Administrative Decision No. 970/2021 and coordinated by the Ministry of Science, Technology and Innovation (MINCYT) and the Secretariat of Management and Public Employment of the Chief of the Cabinet of Ministers, in March, competitions will begin for the admission of scientific-technological personnel to the 16 organizations that, together with the National Council for Scientific and Technical Research (CONICET) and the National Universities, are nucleated in the Interinstitutional Council of Science and Technology (CICYT).

The Plan will strengthen the National Scientific-Technological System, articulating the training capacity of Universities throughout the country and CONICET with all national organizations in the sector. The competitions that will be opened are part of a comprehensive public policy promoted by CICYT, in search of professionals with the highest training in the areas of science and technology in organizations that are essential for an inclusive and sustainable model of social, cultural, economic, productive and environmental development.

Further information: <u>Competitions to enter Science</u> and <u>Technology Organizations</u>: an opportunity for the <u>development of the professional career | CONICET</u>

ARGENTINA



LAC AND

EUROPEAN UNION

The Ministry of Science awarded \$130 million to finance social innovation projects

The Ministry of Science, Technology and Innovation (MINCyT), through the Program Council of the Demand of Social Actors (PROCODAS) and the Design Program, announced the **95 approved projects** of its calls, aimed at promoting innovation dynamics between social actors and entities of the National Science System, Technology and Innovation (SNCTI) in order to generate new ways of solving social or productive problems.

The call for Technologies for Social Inclusion, on the one hand, will co-finance 73 projects for a total amount of \$100,598,052, for the development and implementation in the territory of technological solutions that improve the quality of life of the population. Through the "Associative Design Projects" \$28,852,810 will be allocated to co-finance 22 projects that incorporate design as a strategic factor of innovation in small productive units, microenterprises, cooperatives, and companies recovered and self-managed by their workers.

It should be noted that the 95 approved projects are distributed among the provinces of Buenos Aires, Chubut, Córdoba, Corrientes, Entre Ríos, Formosa, Jujuy, La Pampa, Mendoza, Misiones, Neuquén, Salta, San Juan, Santa Fe, Santiago del Estero, Tucumán and the City of Buenos Aires.

Further information: <u>The Ministry of Science awarded</u> \$130 million to finance social innovation projects | <u>Argentina.gob.ar</u>

CONICET celebrates its 64th anniversary

As every February 5 since 1958, the National Council for Scientific and Technical Research (CONICET) celebrates a new anniversary renewing its commitment to the promotion of scientific and technological research in Argentina.

Since its creation, CONICET has established itself as the emblematic institution of national science, and its quality increases year after year: during 2021 it reached the <u>first position in the SCImago Ranking</u> among the government agencies of Latin America dedicated to research.

Sixty-four years later, CONICET is composed of more than 11,000 researchers, more than 10,800 doctoral and postdoctoral fellows, more than 2,700 members of the Career of Research and Development Support Staff and more than 1,300 administrative and administrative. They work distributed throughout the country in each of the 16 Scientific and Technological Centers, the 11 Research and Transfer Centers, the Multidisciplinary Research Center and the more than 300 Institutes in codependency with national universities and other institutions linked to the national scientific and technological system. There are also scientists from the Council who work in prestigious science and technology organizations in Argentina and in public and private companies.

Further details: <u>CONICET</u> celebrates its 64th <u>anniversary | CONICET</u>





Scientists at the University of Sao Paulo create a glove that detects pesticides in food

Agência FAPESP — Scientists at the University of São Paulo (USP) in Brazil have created a wearable device to detect pesticide residues in foodstuffs. The device consists of a synthetic rubber glove with sensors in three fingers. The project was supported by FAPESP and led by chemist Paulo Augusto Raymundo-Pereira, a researcher at the São Carlos Physics Institute (IFSC-USP).

The sensors are electrodes screen-printed on the index, middle and ring fingers using conductive carbon ink. They detect carbendazim (a carbamate fungicide), diuron (a phenylamide herbicide), paraquat (a fenitrothion bipyridyl herbicide), and (an organophosphorus insecticide). Brazil, In carbendazim, diuron e fenitrothion are used on grain crops (wheat, corn, soybeans, dry beans, rice), citrus, coffee, cotton, cocoa, bananas, pineapples, apples and sugarcane. The use of paraguat has been banned by ANVISA, the national health surveillance agency.

The presence of these substances in a liquid can be detected by immersing the tip of a finger in the sample, or in fruit and vegetables by touching their surface.

Further information: Scientists at the University of São Paulo create a glove that detects pesticides in food AGÊNCIA FAPESP

LATEST NEWS

LAC AND

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FAPESP and Braskem Create Center for Research on Use of Plastics in Agriculture

Agência FAPESP — FAPESP and Braskem, one of the largest producers of thermoplastic resins in the Americas, have selected a project for the creation of a research center in plasticulture, a term that refers to the use of plastics in agriculture. Examples include plastic shade nets, anti-insect screens, greenhouses, and soil cover film, among others.

The project will be conducted by researchers affiliated with the Interdisciplinary Center for Energy Planning at the University of Campinas (NIPE-UNICAMP), in partnership with several other universities and research institutions located in the state of São Paulo (Brazil).

The new center will be part of the Program of Engineering Research Centers (ERCs), which promotes synergies between private enterprise and academia to produce and disseminate world-class research with significant economic and social impacts via innovation. "The use of increasingly scarce resources such as water, fertilizer and fertile soil can be boosted by solutions based on plasticulture. The mission of the new ERC will be to expand complex learning processes in pursuit of sustainable routes to contemporary plasticulture and practical solutions in this area," said Luiz Eugênio Mello, FAPESP's Scientific Director.

Food security will be a key aim of the new ERC. "One of the goals of the research that will be conducted here will be optimization of inputs and natural resources for food production, such as water. It will also study ways of reducing agriculture's environmental impact and raising yields in order to meet demand from consumers," Telma Teixeira Franco, principal investigator for the center, told Agência FAPESP. Franco is a professor in the School of Chemical Engineering at UNICAMP and a member of the NIPE research term.

The new center will focus on strategic segments of Brazilian agriculture such as aquaculture and silviculture, as well as major crops such as sugarcane, soybeans, corn, citrus, bananas, coffee, greenhouse horticulture, and organics. Research will be conducted in close collaboration with agricultural producers and associations. "We've completed an initial survey of the key issues faced by farmers. We plan to keep our eyes and ears open all the time in order to know what they need and keep working on the development of solutions," Franco said.

Further information: <u>FAPESP and Braskem create</u> center for research on use of plastics in agriculture | AGÊNCIA FAPESP



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Scientific and technological cooperation at the large optical telescope ELT

The European Southern Observatory ESO and the Chilean National Agency for Research and Development ANID signed an agreement on December 15 to promote scientific and technological cooperation in the construction and operation of ESO's Extremely Large Telescope (ELT).

The agreement will fund ELT-related projects in engineering, computer science, and other areas proposed by Chilean academic institutions. This will enable the training of highly specialized engineers and researchers in Chile for at least a decade. The agreement will continue to facilitate personnel exchanges between Chilean institutions and those of FSO member states.

ESO and ANID will support the implementation of the agreement with additional funding and will provide up to EUR 900,000 annually for at least ten years. To define areas of interest, ANID will conduct annual calls for proposals. ESO will fund up to two two-year positions annually at ESO's neighboring Paranal Observatory for science, engineering, and technology professionals from Chilean institutions for ELT-related projects.

Located on Cerro Armazones at an altitude of more than 3,000 meters in Chile's Atacama Desert, the ELT will be the world's largest optical and near-infrared telescope with a primary mirror diameter of 39 meters when it is commissioned in 2027.

Further information: https://www.eso.org/public /announcements/annlang21005-es-cl/

Professionals and Researchers from the Center for Sustainable Urban Development Carried Out a Sampling to Analyze the Social and Ecological Component of the Squares in Six Cities of Chile

Between January 19 and 25, researchers and professionals from the <u>Center for Sustainable Urban Development (CEDEUS)</u> visited parks and squares in Hualpén, Coronel, San Pedro de la Paz, Chiguayante, Talcahuano and Concepción, in order to carry out a statistical sampling in these sectors, and that is part of a study in various cities in Chile.

"It is about evaluating the quality of the trees and vegetation in the squares and the ability they have to improve temperature, air quality and generate a series of benefits. At the same time, ask people who live near the squares or who use them what are the aspects they value of these places, since in the background we want to contrast the measurements that we make with more technical methodologies, with the perception that people have of these areas, "said Sonia Reyes about this study, researcher at the ANID CEDEUS Center and responsible for the project.

This sampling is developed within the framework of the "VESSEL" Project for the Assessment and Evaluation of Local Socio-Ecosystem Services, financed by ANID/FONDECYT N°1202003, which seeks to generate information for the design of criteria and indicators that can be incorporated into planning instruments, urban policies and decision-making processes regarding urban green spaces.

"We are interested in making design recommendations that are based on our scientific results, and also on the assessment of those who live in the surroundings. That is, if we propose that certain trees be planted, tree density or some way of building the squares and parks, that this also responds to what the neighbors prefer," added the researcher about this study that will also address the cities of La Serena, Coquimbo, Santiago, Temuco and Padre Las Casas.

It is worth mentioning that <u>CEDEUS</u> researchers Francisco Javier De la Barrera and Ricardo Truffello also participate in this research project, together with Alfonsina Puppo and Valentina Salinas.

Further information: <u>Professionals and researchers</u> from the Center for Sustainable Urban Development carried out a sampling to analyze the social and ecological component of the squares in six cities of the country. | ANID



COLOMBIA

National Government approved the new Science, Technology and Innovation Policy (CTeI)

The National Government. through the Departamento Nacional de Planeación de Colombia (DNP) and the Ministry of Science MinCiencias. approved the new Science, Technology and Innovation (CTeI) policy, with the aim of contributing to the country's economic growth and the solution of global challenges, including the recommendations of the International Mission of the Wise. This roadmap will enter into force in 2022 and will be in force until 2031.

The strategy identifies three major challenges: the creation of new knowledge, productivity and competitiveness, and social justice and sustainable development. The so-called CONPES document (Conseio Nacional de Política Económia y Social) has an indicative investment of \$1.15 billion for management actions. In addition, the new policy will establish the principles to execute \$30 billion from the General Royalty System (\$10 billion) and Tax Benefits for STI (\$20 billion) over the next 10 years, resources that will boost a knowledge-based economy and society.

The policy is led by MinCiencias and the DNP, and in its elaboration, 20 public entities were involved; more than 40 meetings were held with national entities and with actors from the National CTel System.

The construction of this new policy began in February 2020, with actors of the System such as universities, Mission of the Wise, Academy, Research Centers and Institutes, Codecti, business sector and civil society. During the formulation, 1,500 comments were received and rounds of feedback were made with the general public and with the National Government.

Further information: To contribute to the social, economic and environmental development of Colombia, the National Government approved the new Science, Technology and Innovation Policy (CTel) | Minciencias

Colombia will form the first National Scientific Council (CCN), led by the Ministry of Science, **Technology and Innovation MinCiencias**

The MinCiencias has designed a proposal to promote the participation of the researchers of the system, in the formation of the first National Scientific Council (CCN), with the aim of identifying and pre-selecting, through applications, researchers of recognized scientific trajectory and academic merits of the highest level, to present ten shortlists before the President of the Republic and form the CCN in the country.

This is how the ministry responds to the scope of Decree 1666 of 2021, which modifies the National System of Science, Technology and Innovation (SNCTI) and welcomes the recommendations made by the International Mission of the Wise in 2019, to constitute governance instances of the SNCTI.

The CCN will be composed of the President of the Republic, the Minister of Science, Technology and Innovation and ten members who will be **researchers** of recognized scientific career and academic merits, in the following focuses of knowledge:

- 1. Converged Technologies Industries 4.0
- 2. Cultural and creative industries
- 3. Sustainable energy
- 4.Biotechnology, environment and bioeconomy
- 5.Oceans and hydrobiological resources
- 6.Social sciences and human development with equity
- 7. Life sciences and health
- 8. Basic and space sciences

The formation of this Council will have a preponderant role for the country, since it will have a group of researchers of the highest level that will not only have the mission of recommending and conceptualizing permanently to the Government and the Ministry of Science, Technology and Innovation, but will also provide scientific evidence on issues of interest to the National Government and / or the public agenda.

Further information: Colombia will form the first National Scientific Council (CCN), led by the Ministry of Science, Technology and Innovation | Minciencias

LATEST NEWS

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In 2021 ANII supported 16 innovative ventures from abroad to settle in Uruguay

<u>Proyecta Uruguay</u> is an ANII program that seeks to identify, attract, accelerate and finance innovative ventures from abroad with growth potential that seek to scale from Uruguay to the world. To that end, it supports the development of new innovative foreign companies in Uruguay.

Notoriously, more than 2,500 entrepreneurs registered on the program's site, and 435 completed the application (an increase of almost 100% compared to the first call of Proyecta Uruguay). Applications to the program came from all over Latin America, as well as from the United States, Australia, Spain, Portugal and the United Kingdom.

30 ventures were selected to participate in the preacceleration stage, which consisted of workshops, talks, and facilities in the softlanding process. Then the entrepreneurs participated in a presentation instance before ANII evaluators who selected 16 companies (from Argentina, Chile, Colombia, the United States and Peru) for the acceleration stage.

Further Information: <u>ANII | National Agency for</u> <u>Research and Innovation - In 2021 ANII supported 16</u> innovative ventures from abroad to settle in Uruguay

Launch of the Health 2030 movement in Uruguay

The **Health 2030 movement**, a collaborative group led globally by Roche, the Board of Innovation and the Copenhagen Institute for Future Studies, generated an alliance with ANII and launched online on Thursday, February 10 an open innovation challenge in Uruguay.

In order to create healthier communities, the open innovation challenge of the "Health 2030 Movement" is born. It is an open innovation program carried out in more than 9 countries that seeks to create a network of allies that jointly develop solutions to the main challenges identified in the health system of each country.

In Uruguay, ANII has joined this initiative in order to bring the innovation ecosystem closer to the health system. Allied health institutions will also participate to co-create and implement the pilots, among which is CASMU and in the process of consolidating the CAMS alliance.

The program aims for entrepreneurial teams to build, validate and scale solutions in the national health system. It will include mentoring and financial support so that they apply their knowledge and manage to solve the identified challenges in a collaborative and innovative way.

Further information: <u>ANII | National Agency for</u> <u>Research and Innovation - Launch of the Health</u> Movement 2030 in Uruguay





FUNDING

ANNOUNCEMENTS

EU PUBLIC CALLS

4th EU-LAC Joint Call in STI 2022

Call opening date: Monday, 24 January 2022
Call closing date: Thursday, 28 April 2022

The EU-LAC Interest Group towards the Common Research Area launched a new Joint Call to enhance bi-regional cooperation in Science, Technology and Innovation.

The aim of the Joint Call is to initiate sustainable and multilateral research cooperation between researchers from Europe, Latin-America and the Caribbean countries. Transnational consortia are invited to submit proposals related to six topics in the thematic fields of Global Challenges, Health, Biodiversity, and Energy, which have been defined in collaboration with the EU funded projects <u>EU-LAC ResInfra</u>, <u>EULAC PerMed</u> and <u>SINCERE</u>. One of the specificities is the inclusion of four topics based on sharing large Research Infrastructures. Projects will be funded for up to 36 months.

The following funding agencies confirmed their participation:

- Austria: Bundesministerium für Bildung, Wissenschaft und Forschung, BMBWF
- Bolivia: Ministerio de Educación Vice Ministerio de Ciencia y Tecnología, MINEDU
- Brazil: Conselho Nacional de Desenvolvimento Científico e Tecnológico, CNPq
- ➤ Brazil: Conselho Nacional das Fundações Estaduais de Amparo à Pesquisa, CONFAP
- Dom. Rep.: Ministerio de Educación Superior, Ciencia y Tecnología, MESCyT

- Germany: Bundesministerium für Bildung und Forschung, BMBF
- ➤ Italy: Consiglio Nazionale delle Ricerche, CNR
- Panama: Secretaria Nacional de Ciencia, Tecnología e Innovación, SENACYT
- Peru: Consejo Nacional de Ciencia Tecnología e Innovación Tecnológica, CONCYTEC
- Poland: Narodowe Centrum Badań i Rozwoju, NCBR
- Portugal: Fundação para a Ciência e a Tecnologia, FCT
- > Spain: Instituto de Salud Carlos III
- > Spain: Agencia Estatal de Investigación, AEI
- Turkey: Turkiye Bilimsel vê Teknolojik Arastirma Kurumu, TUBITAK
- Uruguay: Agencia Nacional de Investigación e Innovación, ANII

Europe - Latin American & Caribbean RTI Networking & Matchmaking Platform

Applicants searching for potential EU and/or Latin American & Caribbean project partners are invited to register for free at the online ENRICH in LAC Matchmaking platform.

Please find all call information at: https://www.eucelac-platform.eu/joint-call/4th-eu-lac-joint-call-sti-2022

For further information, please contact: Anneken.Reise@dlr.de



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EU PUBLIC CALLS

List of Horizon Europe Calls targeting LAC region

The Science, Technology & Innovation (STI) Section of the Delegation of the EU in Brazil published an Indicative List of calls of the 1st Work-Programme (2021-2022) of Horizon Europe with focus on International Cooperation, Brazil and Latin America and is available here.

Please note that this list is not intended to be exhaustive and does not engage the European Commission. The aim is to provide an indication of the calls where BR or LAC countries participation are desired or required. The Horizon Europe programme has an openness principle and many other calls are available on the Funding&Tenders Portal.



Indicative List of calls of the EU R&I programme, Horizon Europe with focus on International Cooperation, Brazil and Latin America

1st Work-Programme (2021-2022)

WP	topic code with hyperlink	topic title	Type of action	Open and close	Int'i Coop?	Specific countries or regions targeted	References to International coop in topic's text
CLUSTED 2	HORROW-CL2-2002- TRANSFORMATIONS- UL-02	Public policies and indicators for well- bong and sustainable development	nia.	20/04/2022 20/04/2022	VES	Africa; Asia; Latin America, North America	Proposals should cover a broad range of European countries (site the regions) dissension where appropriate, as well as a softward number of non-European countries (e.g. from Africa, 46s.). Africa Association American (e.g. from Africa, 46s.). Africa and accompanion of the ensuring an informational compension of the analysis, thus international cooperation is strongly encouraged.
CLUSTER 5	HDRIZON-CL5-2022- 02-02-01	Digital solutions for defining synergies in international renewable energy value chains	RW	25/05/2022	VES (required)	Mission innovation countries	The constrium must include as a beneficiary at least one legal entity established in a Mission innovation Country, not being Member State or Associated Country
CLUSTER 5	HDRIZON-CL5-2022- D3-03-02	Bert international practice for scaling up sustainable biofisels	RIA	10/09/2022	VES	Mission innovation countries	international cooperation with Mission Innovation countries is expected

Energinno Brazil: Call for Innovators in the fields of Green Hydrogen or Biogas

Throughout February 2022, EnergInno Brazil invites bright minds in Brazil to apply with their innovations in the fields of <u>Green Hydrogen</u> or <u>Biogas</u>.

Apply and win a one-week journey to Germany from **November 7 to 11, 2022.** This <u>German R&D Tour</u> will open the door to excellent German research institutions, universities and companies in the green energy sector.

The Call for Innovators at a glance

Entry Candidates: Innovators from Brazil: researchers, scientists, entrepreneurs, representatives from the industry, etc. who are developing application-oriented technologies and/or processes

Entry Topics: <u>Green Hydrogen</u> or <u>Biogas</u> Innovations from the following application areas, which can be implemented both for private use and industry:

- **Mobility** in the areas of e.g. road, rail, sea and air transport
- **Electricity** e.g. power generation, thermal market and refrigeration technology

Entry Language: English

Entry Deadline: February 28, 2022 (11:59 p.m.

CET)

Further Information

For more details on the Call for Innovators use the following <u>Link</u>.



FUNDING

ANNOUNCEMENTS

EU PUBLIC CALLS

V Annual Call for co-organising events on topics relevant to the bi-regional partnership between EU and LAC

The EU-LAC Foundation invites applicants to submit proposals for the joint organisation of events in 2022.

Taking into account the priorities of the biregional dialogue between LAC an EU, the Foundation opens this public call for co-organise debate and exchange events on global and/or sectorial issues related to the bi-regional association.

Its main purpose is to receive proposals for events on issues of relevance to the bi-regional association, especially those aimed at contributing to the fulfilment of the Foundation's mandate in the following priority areas:

- > Economic and Social Development;
- Sustainable Development and Climate Change;
- > Culture:
- > Multilateralism and Bi-regional Cooperation

Please send your inquiries and applications to: call@eulacfoundation.org – indicating in the subject: "Call for co-organising events 2022 – Name of the proposal".

Term: February 20th, 2022, 23:59 (Central Europe Time).

Further information and application documents are here.

Call for Proposals: Submission of Presentations to be developed during the EU-LAC Young Scientists' Networks Days 2022

The EU-LAC Foundation is keen to incorporate the perspectives of the young generation of academics and researchers from LAC and EU region in the processes of reflection and dialogue on Higher Education and Research, Technology and Innovation in its bi-regional dimension and, at the same time, give visibility and foster the work of the networks and associations of young academics that already exist in both regions. Therefore, and in partnership with several universities and academic organisations and associations from both regions the EU-LAC Foundation is launching the present Call for proposals for presentations to be developed during the Latin American and Caribbean and European Union Young Scientists' Networks Days, which will be held from 14 to 18 March 2022 in virtual format.

Term: 20 February 2022

Those interested in participating in the EU-LAC Young Scientists' Networks Days should submit their statements of interest and proposals, including:

- 1.Registration in English or Spanish on the **registration form** (until 20 February 2022).
- 2.Letter of Confirmation of institutional affiliation to an academic/scientific institution
- 3. Letter of Confirmation of membership in a network, an association, a programme, a working group or a research consortium

Further information available on EU LAC foundation website.

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FUNDING

ANNOUNCEMENTS

EU PUBLIC CALLS

33rd CORNET Call open for proposals

Submission of project proposals is possible until **30 March 2022, 12 p.m. (CET)**, via the CORNET Submission Tool.

For application, please use the latest <u>templates</u> for the current call.

Call Details

The call is organised by CORNET (**CO**llective **R**esearch **NET**working). The partners in CORNET are national or regional ministries and funding organisations from various countries facilitating international cooperation on the basis of their respective national and regional funding schemes.

Basic concepts of the CORNET Calls and collaboration between programmes

This CORNET Call for Proposals is based on existing funding programmes for (collective) research in the participating countries/regions. As for the previous CORNET Calls, the added value is to make international collaboration possible for these national/regional programmes, whereby every project participant will be funded by the funding organisation of their own country or region.

This implies that rules for participation and funding in CORNET are basically the same as the ones currently applicable in the national/regional programmes of the various participating countries/regions. Therefore, different rules may apply to participants within one project consortium.

An overview of the national/regional programmes and their eligibility criteria can be found on the following <u>CORNET website</u>.

Type of activities that can be funded

The main types of targeted activities are:

- industrial research and development;
- applied research and development.

In some countries/regions, the following activities can also be funded:

- Demonstrations:
- technology/knowledge transfer;
- dissemination workshops and training.

An overview of the national funding programmes of all participating CORNET partners can be found on the following <u>CORNET website</u>. For more details please contact the respective national/regional funding organisation.

Participating Funding Agencies

33rd Call: budgets and programmes Find your country:

- Austria
- Belgium-Flanders
- Belgium-Wallonia
- Brazil
- > Canada-Québec
- ➤ Germany
- > Peru
- Poland
- Switzerland
- > Taiwan
- > Turkey



FUNDING

ANNOUNCEMENTS

EU PUBLIC CALLS

The 29th IraSME call for proposals for transnational R&D projects is open

The 29th IraSME call for proposals for transnational R&D projects is open from 1 December 2021 until 30 March 2022. This call is organised and funded by national and regional ministries and agencies participating in the IraSME network through their respective funding programmes.

General information:

When applying for IraSME calls for proposals, please note that applicants are strictly advised to consult with their local agencies at an early stage during the preparation of their proposals in order to secure compliance with the applicable national and regional criteria. Eligibility rules, application and funding details vary between countries/regions.

What activities IraSME fund:

- Development of new products, processes or technical services.
- Technical development from the first idea to a possible prototype.
- ➤ R&D with significant technical risks for each funded partner.
- Minimum constellation: 2 companies from 2 participating countries/regions.

Countries / Regions Participating in the 29th call:

- Austria
- Brazil
- > Flanders (Belgium)
- > Germany
- Luxembourg
- Russia
- Turkey
- Wallonia (Belgium)

Submission

The IraSME application form (+ draft of CA and GANNT chart) has to be submitted via e-mail to info@ira-sme.net until the call deadline of 30 March 2022.

Submissions after the deadline cannot be accepted.

Further information and call documents can be found <u>here</u>.

ENRICH IN LAC FUNDING GUIDE:

HOW TO GET FUNDING FROM EMBRAPII

HOW TO GET FUNDING FROM EMBRAPII TO SUPPORT RTI COOPERATION BETWEEN BRAZIL & EUROPE?

International cooperation in research and innovation is not a choice but a necessity. Scarce funding resources, infrastructure, and most importantly talent should bring the countries together to solve the societal challenges of the 21st century together. The expansion of communication methods and tools brought researchers and innovators closer. Joint projects and publications and increased mobility of researchers became usual practice in the academic world.

While the academic world is unified, international cooperation became one of the most important tools for boosting competitiveness and tackling global challenges. Hence, relevant programs and activities become more visible in the portfolio of the national research and innovation support agencies, everywhere in the world.

On the other hand, international cooperation requires experience, patience, and good planning. The ENRICH in LAC Initiative prepared this Guide to support international cooperation

endeavors of innovative Brazilian companies by explaining the steps of getting support from the Brazilian Agency for Industrial Research and Technological Innovation (EMBRAPII) as they participate in a number of bilateral and multilateral initiatives with European funding organizations. However, due to the different funding model of EMBRAPII collaboration opportunities are underutilized. This Guide clarifies the required processes and makes practical suggestions for Brazilian and European STI actors, mainly the innovative companies on how to engage and sustain bilateral/multilateral collaboration.

Although this Guide is prepared for Brazilian companies, European companies can also benefit from it by understanding the procedures at the Brazilian side and coordinate the collaboration process more effectively.

EMBRAPII Model In a Nutshell

EMBRAPII is the Brazilian Agency for Industrial Research and Technological Innovation. Established as private not-for-profit organization, under the Governance of the Brazilian Ministry of Science, Technology and Innovation (MCTI), the Brazilian Ministry of Economy (ME).

ENRICH IN LAC FUNDING GUIDE:

HOW TO GET FUNDING FROM EMBRAPII

EMBRAPII aims to:

- Support Brazilian established industries in the development of innovative technologies for development of products;
- Increase the competitiveness of companies in national and international markets;
- Focus on business demands;
- Offer flexible, agile and no bureaucratic R&D&I financing models;
- Share risks of investing in innovation and;
- Attract private and international investment to leverage innovation.

Through its flexible and non-bureaucratic operational system, EMBRAPII provides funding for companies to carry out their research and development activities together with an EMBRAPII Unit, from TRL 3 to TRL 6 (that is, for pre-competitive R&D&I demands).

Currently there are 72 EMBRAPII Units located in a number of Brazilian states, focused on a very large scope of technology competence areas. The competences' distribution by EMBRAPII Units and the state can be seen in competence areas map.

The Enrich in LAC initiative prepared step by step guide for Brazilian companies aiming to use EMBRAPII model for international cooperation. Detailed information about following the calls, identifying and approaching an EMBRAPII units, finding international partners, securing financial contribution, proposal preparation evaluation, execution, project evaluation and suggestions for European companies can be found in this guide. The Enrich funding guide could be beneficial for the applications to the 29th IraSME call for proposals for transnational R&D projects which can be found in Enrich Monthly public calls section.

Further information on how to get funding from EMBRAPII to support RTI cooperation between Brazil and Europe, can be found on Enrich funding guide.

The **English version** can be found **here.**The **Portuguese version** can be found **here.**





DIH

INTERNATIONAL COLLABORATION DIGITAL TRANSFORMATION HEALTHY AGEING

IDIH PROJECT

FORUM – EVENTS – PLATFORM

By Krisztina Dax, G.A.C Group

Contact: IDIH Helpdesk (idih@apre.it)

IDIH — International Digital Health Cooperation for Preventive, Integrated, Independent and Inclusive Living is a project funded under the European Union Research and Innovation Programme Horizon 2020, bringing together prominent organisations from the EU and five Strategic Partner Countries, i.e. Canada, China, Japan, South Korea and the USA with the aim to promote international collaboration to advance digital health in support of active and healthy ageing through innovation.

On the basis of identified key opportunities and shared priorities for global cooperation in digital health, the IDIH project has set up a **Digital Health Transformation Forum** as a long-lasting and expert-driven mechanism to foster collaboration between the EU and five Strategic Partner Countries, ensuring the involvement of research, technology, innovation, policy stakeholders, and user associations. It currently consists of four Expert Groups that have engaged in a series

of co-creation sessions in four selected focus topics: Preventive care, Integrated care, Independent and connected living, Inclusive living. A major result of the expert-driven work (expected to be available in spring 2022) will be the roadmap "Towards an international cooperation in digital health" for future collaboration in priority areas, pointing to suitable potential funding schemes, addressing policy makers and relevant Funding Agencies in the concerned regions. A User Consultation Group (UCG) has been guiding the Experts Groups to adopt a user-centered perspective development of the roadmap.

IDIH has produced various <u>items</u> that could be of interest for your community, such as

Factsheets on the digital health research and innovation landscape and AHA in Strategic Partner Countries (CAN, CN, JP, KR, USA) and related reports (accessible through https://idih-global.eu/outcomes/)

- 2 Guidebooks on funding opportunities in the field of digital health solutions for AHA, for RDI stakeholders and care providers respectively (accessible through https://idih-global.eu/outcomes/)
- IDIH Helpdesk, an ad-hoc advice to RTI stakeholders from the EU and the Strategic Partner Countries with regard to Funding Programmes and Calls (accessible through https://idih-global.eu/idih-helpdesk/)
- IDIH Long-term International Matchmaking Platform for networking among all key-stakeholders of digital solutions for AHA (Register here)
- > IDIH Week 2022, a global matchmaking

- and co-creation event (see <u>IDIH Week</u> <u>2021</u> as reference)
- A series of Podcasts "The Future of Happy and Healthy Ageing" on Digital Health and AHA (accessible through https://idih-global.eu/outcomes/ and https://open.spotify.com/show/4UzsfmT8 UNxsrVnCk5NtIM)
- ➤ IDIH Magazine, 4 editions available so far (accessible through https://idih-global.eu/news-events/)
- Webinar on "Inclusive Design of digital solutions for Active and Healthy Ageing (AHA)" held on the 5th of November 2021 (Further information can be found here)



Upcoming IDIH Event

IDIH WEEK 2022

IDIH Week 2022 is a global matchmaking and co-creation event that is planned to take place in March 2022 – more information will be available shortly here.

It is a continuation of <u>IDIH Week 2021</u> (June 1-4, 2021), which was a 4-days online event dedicated to researchers, innovators, care providers and users associations dealing with

Digital Health for Active and Healthy Ageing (AHA). The event included Information, Networking & Matchmaking, and Co-creation sessions among all the key-stakeholders of digital solutions for AHA in Europe, as well as in China, Canada, Japan, South Korea, and USA. Organisation from any country in the world can attend the IDIH weeks - it is free, just choose the category "non-EU participant" in the registration

Latest IDIH Event

IDIH Stakeholders' Event: Digital Health for Active and Healthy Ageing. Addressed the needs of users, February 3, 2022 (14.00 – 15.30 CET)

Complementing the work of IDIH experts for the development of a Roadmap for policy makers - including concrete steps and recommendations to enhance international cooperation in the field of Digital Health for Active and Healthy Ageing (AHA) - this event aimed to better tackle the users' and tech providers' perspectives in the design and adoption of digital solutions for AHA. The event was open and free of charge.

Sustainability of the IDIH project

The sustainability of the outcomes of the IDIH project, specifically those related to the work of the Digital Health Transformation Forum, is expected to be ensured through the ENRICH GLOBAL organisation's Health Innovation Thematic Group, while the Futurium platform, a platform dedicated to Europeans discussing EU policies, will serve as a multiplier and will enable to further engage the wider IDIH community.

The ENRICH Global's Health Innovation group will enable the IDIH experts as well as the wider stakeholder community to continue their engagement and activities via an International Experts' Forum for Health Innovation. Furthermore, International Policy Dialogue Workshops will be held to discuss about global health challenges and compare health policies. The group will also serve to monitor the implementation of the IDIH roadmap at policy level. It will leverage on the IDIH community and go beyond current geographical coverage, also interested stakeholders from other countries to participate in future activities, with a special attention to Latin American and Caribbean countries. considered particularly strategic in the international dialogue and cooperation around Health Innovation.

The <u>IDIH B2Match Platform</u> will be kept as a sustainable channel for B2B in the future, giving various stakeholders the opportunity to use it as a long-term matchmaking platform, where they can schedule meetings at any time.

IDIH Stakeholder's Event:

Digital Health for Active and Healthy Ageing. Addressing the needs of users

February 3, 2022 (14.00 - 15.30 CET)





Relations between the European Union and Uruguay have intensified since the Framework Cooperation Agreement was signed in 1992, improving political and economic dialogue, and at a regional level since the conclusion of EU-Mercosur Association Agreement negotiations in 2019. This last Agreement constitutes a clear commitment on the part of both blocs to rules-based international trade and will give firms and consumers from both sides a significant advantage at international level (Delegation of the European Union to Uruguay).

Uruguay is the smallest Spanish speaking country in South America with a population of only 3,4 million inhabitants (Doing Business Report 2020 Uruguay). According to the International Trade Administration, Uruguay has well-functioning democratic institutions, a rule population, and relatively little abiding corruption. In 2020, Uruguay was ranked 21 out of 180 countries by Transparency International due to the low levels of corruption. Uruguay has a strong banking sector which adheres to the latest international financial-sector standards. Uruguay is strategically located and is politically and economically stable. The current administration maintains open trade policies and good macroeconomic policies. Elections took place in October 2019 and after 15 years

the government changed from a left-leaning government to a center-right coalition led by now President Luis Lacalle Pou. President Lacalle Pou leads the Partido Nacional political party which is known for relatively pro-market economic policies. In his first few months in office, President Lacalle Pou created incentives for the construction sector, clean energy, and research & development although the COVID-19 pandemic dramatically changed the government's short-term focus (International Trade Administration).

Economic Forecast

Uruguay has a free market economy characterized by an export oriented agricultural sector, a well-educated workforce, and high levels of social spending. Uruguay has sought to expand trade within the Common Market of the South (Mercosur) and with non-Mercosur members (The World Factbook).

One of Uruguay's major advantages are the country's Free Trade Zones and the proximity to larger markets, giving the country the ability to serve as a regional distribution hub for both services and logistics (International Trade Administration).

According to The Economist, Uruguay will see brisk economic growth in 2022 as the country benefits from the normalisation of economic activity on the back of one of the world's most rapid vaccine rollouts. The president, Luis Lacalle Pou, will leverage high approval ratings to pivot from pandemic management to focus on structural reform and fiscal consolidation. A referendum against the government's keynote pro-market reform bill, labour unrest and novel covid-19 variants pose risks to the Economist forecast.

Argentina's Science Technology and Innovation (STI) Landscape

The Ministry of Education and Culture of Uruguay (MEC) is coordinating national education, culture, science, and technology policies in Uruguay. The National System of Productive Transformation and Competitiveness (Transforma Uruguay) is the responsible entity for the promotion of productive and innovative economic development, considering sustainability, social equity, environmental and territorial balance. Transforma Uruguay is subordinated to the Cabinet and operates on behalf of the Office of Planning and Budget. MEC has an agreement with RedCLARA (the Latin American Advanced Networks Cooperation), aiming at connecting Latin America's academic computer networks, to dissemination, training, carry out awareness activities to the different actors of civil society, academia, and private sector. This agreement allows reaching 134 Universities in Latin America and the Caribbean.

As an eligible country under H2020, Uruguay has been/is involved in 32 projects (Horizon 2020 Dashboards, state of February 2022). The capital Montevideo is listed 16th on the Latin American Cities Innovation Index (Innovation Cities).

National Science Technology and Innovation priorities

The Uruguayan National Strategic Plan in STI from 2010 (PENCTI) identifies the following priority sectors for the promotion of

research, technological development and innovation (<u>La Agencia Nacional de</u> Investigación e Innovación (ANII)):

- Biotechnology
- > Health and pharmaceuticals
- > Renewable energies
- Agroindustry
- > Sustainable urbanization
- Environment and natural resources
- ➤ Industry 4.0
- ➢ ICT
- Education and social development
- Transport & logistics
- > Tourism

Previous contribution in Horizon 2020

In total 32 Argentinean organisations were involved in Horizon 2020 projects with a total of 3,9M Euro funding received by the project's participants. Structured by thematic priority, projects were conducted mainly within the frame of (Horizon 2020 Dashboards, state of February 2022):

- Marie Sklodowska-Curie Actions (10 participations)
- ➤ Food security, sustainable agriculture and forestry, marine and maritime and inland water research (5 participations)
- Research Infrastructure (5 participations)
- Health, demographic change and wellbeing (3 participations)
- Climate action, environment, resource efficiency and raw materials (2 participations)
- Secure societies -Protecting freedom and security of Europe and its citizens (2 participations)
- Future and Emerging Technologies (1 participation)
- ➤ Information and Communication on Technologies (1 participations)
- Europe in a changing world- inclusive, innovative and reflective societies (1 participations)
- Secure, clean and efficient energy (1 participations)
- Smart, green and integrated transport (1 participation)

The three major organisations in terms of received funding were the (1) UNIVERSIDAD DE LA REPUBLICA (1.47M Euro), (2) COOPERACION LATINOAMERICANANA DE REDES AVANZADAS (769,86k Euro) and (3) INSTITUTO NACIONAL DE INVESTIGACION AGROPECUARIA (472,22k Euro) (Horizon 2020 Dashboards, state of February 2022).

The main collaboration links are Spain with 70 collaborations, France with 68 collaborations and Germany with 63 collaborations (<u>Horizon</u> 2020 Dashboards, state of February 2022).

Regarding Uruguay's SME Performance regarding Horizon 2020, 3 SME applied for H2020 project but none of them actually received funding (Horizon 2020 Dashboards, state of January 2022).

Funding opportunities in Horizon Europe

Horizon Europe is the biggest EU research and innovation programme ever with €95.5 billion

of funding available over 7 years (2021 to 2027). It is open to the world, which means that participants from all over the world, including entities established in Uruguay, can take part in most calls (European Commission).

As a novelty of Horizon Europe, Uruguay is not included in Horizon Europe's list of low- and mid-income countries (List of eligible countries (HE)). Therefore, participants from Uruguay are not automatically eligible for EU funding, which means in general that the entities will need to fund their own participation, except if (1) Uruguay is explicitly identified in the work programme and call for proposals as being eligible for funding or (2) the granting authority considers that their participation as a beneficiary is essential for implementing the project, for example in view of their: outstanding competence/expertise, access to particular research infrastructures, access to particular geographical environments, access to particular data (EU-LAC interest group).

