



ENRICH

EUROPEAN NETWORK OF
RESEARCH AND INNOVATION
CENTRES AND HUBS,
LATIN AMERICA & THE CARIBBEAN

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ENRICH MONTHLY



**MONTHLY BUSINESS & INNOVATION
NEWS COMPILED BY ENRICH IN LAC**



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Country Profile: Colombia



Colombia is a key ally of the European Union and a like-minded partner at bilateral, regional and multilateral levels.

Digital Transformation



How companies can efficiently and effectively adopt digital technologies to achieve superior outcomes in the digital transformation, and how their strategies have responded to COVID-19 pandemic.

Digital Transformation Assessment



Interview with Florian Kidschun,
M.Sc.
Research Associate
at Fraunhofer IPK

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 December 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.

The Conference Board, which is the member-driven think tank founded in 1916 and a nonpartisan, not-for-profit entity holding 501(c)(3) tax-exempt status in the United States, has recently published two reports on Digital Transformation, one of the five ENRICH in LAC priority topics. In this edition, we provide you with insights about how companies can efficiently and effectively adopt digital technologies to achieve superior outcomes in the digital transformation (p. 18) , and how their strategies have responded to COVID-19 pandemic (p. 20).

Colombia is the fourth largest economy in Latin America, after Brazil, Mexico, and Argentina and thus, is one of the EU's key like-minded partners in Latin American and Caribbean (LAC) region. In contrast to most Latin American countries with only one or two major cities, Colombia has five commercial hubs: Bogota, Medellin, Cali, Barranquilla, and Cartagena (International Trade Administration). Learn more about Colombia's Economic, Science Technology and Innovation (STI) Landscape, National STI Priorities and Funding opportunities in Horizon Europe.

We hope you enjoy reading the 'ENRICH Monthly' and we are happy to receive your feedback via email. We wish you a Merry Christmas and a Happy New Year!

All the best for you,
ENRICH in LAC Team

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Brazilian Funding Agencies and EC Sign an Administrative Arrangement to Step Up Cooperation in Research and Innovation

On 19th November the European Commission announced that the European Commission and three Brazilian funding agencies; the National Council for Scientific and Technological Development (CNPq), the Funding Agency for Studies and Projects (FINEP) and the Brazilian National Council of State Funding Agencies (CONFAP) signed an Administrative Arrangement on the mechanisms to support Brazilian participation in Horizon Europe (2021-2027) collaborative projects, Partnerships and Missions. This comes under the Agreement for Scientific and Technological Cooperation between the European Community and the Federative Republic of Brazil.

The Administrative Arrangement aims to facilitate the co-funding of Horizon Europe collaborative activities set up by the three Brazilian funding agencies and it establishes the operational steps necessary to support other collaborative activities such as twinning of projects and the launch of coordinated calls, as well as actions to enhance mutual knowledge and awareness.

Commissioner for Innovation, Research, Culture, Education and Youth Mariya Gabriel said,

“This Arrangement provides an important framework facilitating the participation of Brazil in Horizon Europe. It enables an enhance cooperation in common priority areas, such as the green and digital transitions, global health and innovation”.

It was signed by Maria Cristina Russo, Director for Global Approach and International Cooperation at DG Research and Innovation, on behalf of the European Commission, and the Presidents of the three Brazilian funding agencies, Prof Evaldo Ferreira Vilela, Gen. Waldemar Barroso Magno Neto and Prof Odir Antônio Dellagostin.

This is of particular importance for the EU and Brazil scientific communities as it facilitates Brazilian participation in Horizon Europe proposals by ensuring funding for successful applicants. The establishment of

such a funding mechanism is important, as the programme does not automatically fund partners from industrialized third countries such as Brazil.

The EU-Brazil research and innovation cooperation is fully aligned with the [Global Approach to Research and Innovation](#). It reconfirms bilateral commitment to the global openness needed to drive excellence, pool resources for faster scientific progress and develop vibrant innovation ecosystems.

Background

The [‘Agreement for Scientific and Technological \(S&T\) Cooperation](#) between the European Community and Brazil’ (signed in 2004, entered into force in 2007 and last renewed until August 2022) is the main framework of the scientific collaboration. The S&T Agreement aims to encourage, develop and facilitate cooperative activities in areas of common interest, based on the principles of mutual benefit, timely exchange of information, reciprocal access to activities and protection of intellectual property rights.

The signature today of the Administrative Arrangement further strengthens the alliance between the EU and Brazil in science, research and innovation as one of the most solid pillars of bilateral relations, and of the EU-Brazil Strategic Partnership (2007). Under the Horizon 2020 programme Brazil ranked sixth amongst the most active non-associated third countries and first in the Latin America and Caribbean region.

Further information: [Brazilian funding agencies and EC sign an Administrative Arrangement to step up cooperation in research and innovation | European Commission \(europa.eu\)](#)

EUROPEAN UNION



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Cost reduction in the import of inputs for scientific and technological research

Through an agreement signed between the Ministry of Science, Technology and Innovation (MINCyT) and Airports Argentina 2000, it was agreed to eliminate the payment of service costs to all cargoes that enter the Argentine Cargo Terminal and are destined for institutions of the scientific-technological system.

Aeropuertos Argentina 2000 (AA2000) undertook to subsidize the costs of handling, verification and stay services for a period of 30 calendar days to the air cargoes entered at the Argentine Cargo Terminal that are destined to institutions of the scientific-technological system and are carried out within the framework of Law No. 25,613.

This regulation establishes a special regime for imports of goods and inputs intended for scientific-technological research through the exemption of taxes, levies and import duties. To access these benefits, institutions must process the tax exemption certificate in front of the Registry of Scientific and Technological Organizations and Entities (ROECyT), dependent on the MINCyT, for which they must [be registered](#) in mentioned registry.

Further details: [Cost reduction in the import of inputs for scientific and technological research | Argentina.gov.ar](#)

32 proposals will be financed within the framework of the Pampa Azul Initiative

The Ministry of Science, Technology and Innovation (MINCyT) announces the results of the call for "Research and technological development projects within the framework of the Pampa Azul Initiative". After a process of evaluation of the 99 initiatives presented, which involved 27 experts and the institutional assessment of the MINCyT, [32 projects](#) presented by scientific and technological institutions based in the five provinces of the Argentine maritime coast, Córdoba, Santa Fe and the Autonomous City of Buenos Aires, were selected.

The awarded proposals will have a **total funding of \$ 212,799,996** and are distributed in initiatives as 41% in oriented research projects, 25% in the technological development projects and 34% in the sample processing projects.

CONICET and Amazon Web Services announce a call to accelerate and promote innovation in cloud projects

[The National Council for Scientific and Technical Research \(CONICET\)](#) and Amazon Web Services (AWS) come together to support research projects that contribute to the scientific and technological development and innovation of the country. It seeks to accelerate these projects through the infrastructure and services that Amazon Web Services provides in the cloud.

This synergy, which they have called "Innova CONICET: Research promoted with the cloud", occurs within the framework of a collaboration agreement that both institutions have recently signed, and constitutes the first experience of its kind in Argentina.

Further information: [CONICET and Amazon Web Services announce a call to accelerate and promote innovation in cloud projects | CONICET](#)

ARGENTINA



The startups that position Argentina as a leader in biotechnology showed off at BioArgentina 2021

On November 18, [BioArgentina](#) 2021 was held online, the meeting that brings together companies, researchers, startups, investors and representatives of the public sector, to promote biotechnology in the country and the region, organized by the [Argentine Chamber of Biotechnology \(CAB\)](#). It was attended by thousands of attendees who were able to follow live the presentation of the 2019 Nobel Prize in Economics, Michael Kremer, and a selection of Argentine startups with global impact.

The nine Argentine biotech startups that were presented were: [Chemtest](#), [Ckapur](#), [Infira](#), [Microgenesis](#), [Argentag](#), [Inmunova](#), [Beeflow](#), [Bioheuris](#) and Food4you. These are part of the entrepreneurial ecosystem that are allowing the country to position itself as a leader in biotechnology at a global level.

Further information: [The startups that position Argentina as a leader in biotechnology showed off at BioArgentina 2021 | CONICET](#)



BRAZIL

2021 is the year of Artificial Intelligence for public policies in Brazil

According to the IBM Global AI Adoption Index 2021, COVID-19 accelerated the adoption of artificial intelligence by companies using automation. The adoption index states that 60% of IT professionals in Brazil report that business needs are driving the adoption of AI in companies and that 40% of Brazilian companies implemented some AI process in 2020.

The publication of the National Artificial Intelligence Strategy (EBIA) and the procedure at the Congress for the Legal Framework of Artificial Intelligence are factors increasing the importance of the topic. The six strategic objectives defined in order to enhance the development and use of the technology to promote scientific advancement and solve concrete problems in the country by identifying priority areas in which there is greater potential for benefits.

Further information: [2021 is the year of Artificial Intelligence for public policies in Brazil - ANPEI](#)

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ANPEI received the National Medal of Scientific Merit in Brazil!

The President of the Republic of Brazil granted through a decree on November 3rd the National Medal of Scientific Merit to ANPEI! The medal is awarded by the National Order of Scientific Merit in recognition of scientific and technical contributions of personalities and entities to the development of science in Brazil. ANPEI acknowledges and congratulates everyone who is part of this story! Click here and read the full decree in Portuguese: <https://lnkd.in/gXzVgaRf>

Brazil and Switzerland discuss cooperation in research and development

The Minister of Science, Technology and Innovations, astronaut Marcos Pontes, host the STI head of the Swiss ambassador, Pietro Lazzeri on 25th November. On the agenda of the meeting was bilateral cooperation in science, technology and innovations and the next meeting of the Brazil-Switzerland Joint Committee, scheduled for March 2022, in Bern.

Certainly, science, innovation and technology together with the economy are the two main points of our relations," the ambassador recalled. "We always talk about the economic importance of Brazil to us." According to him, more than 400 companies invest in Brazil with more than US\$ 11 billion in resources. There are 170 bilateral research projects, 270 scholarship holders and a total project budget of around US\$ 60 million. The Swiss ambassador advocated strengthening cooperation between countries in science, technology and innovation, and addressed budget issues for research funding and sustainability.

Further information: [Brazil and Switzerland discuss cooperation in research and development — Portuguese \(Brazil\) \(www.gov.br\)](#)

Conecta Startup Brasil Program is Featured in the TOP 20 Actors of the Innovation Ecosystem

The ranking of the 100 Open Startups 2021 publication annually lists the actors of the ecosystem most recognized by startups in the practice of open innovation in Brazil. The Conecta Startup Brasil program, a joint action between the Ministry of Science, Technology and Innovations (MCTI), the Brazilian Agency for Industrial Development (ABDI), Softex and the executing partner, the National Council for Scientific and Technological Development (CNPq), was selected as one of the TOP 20 actors in the innovation ecosystem most recognized by startups in the practice of open innovation in the 6th edition of the 100 Open Startups Ranking released during Oiweek ESG inovabra.

The Conecta Startup Brasil Program aims to foster entrepreneurship, stimulate Open Innovation in Brazil and develop coordinated actions to increase the density of Brazilian startups prepared for market challenges, with the main objectives of promoting economic development and generating new innovative business in the country.

Further information: [Conecta Startup Brasil entre os ecossistemas mais impactantes do Ranking 100 Open Startups 2021 - Softex](#)



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Collaboration agreement will provide digital infrastructure for scientific and educational institutions in Aysén and Magallanes

The Southern Macrozone is a third of the Chile's surface, has a high scientific potential with national and global impact, plays a strategic role in facing the Climate Crisis and has global comparative advantages (Ice Fields, Antarctica, subantarctic and pristine territory); however, it is one of the few geographical areas of the planet that is digitally disconnected, without possibility to carry out data traffic with the necessary speed.

The agreement between the National Agency for Research and Development (ANID) and the National University Network (REUNA) for the execution of the Patagonia project, solves the historical need to connect through a fiber optic network to all the CTCL institutions of the Southern Macrozone for research purposes.

Further information: [News \(minciencia.gob.cl\)](https://www.minciencia.gob.cl)

CHILE



ECLAC and Cambridge University Launched a Fintech Collaboration Network

Fintech companies, which offer financial services through the application of digital technologies, may be key to furthering financial inclusion, one of the region's main challenges, ECLAC's Executive Secretary, Alicia Bárcena, said on Monday, March 25 at the inauguration of a seminar where the United Nations regional organization and Cambridge University launched a joint collaborative initiative in this area, which includes the creation of a Financial Innovation Hub for Latin America.

These new created fintech companies fulfill an important potential for the needs of small and medium enterprises (SMEs). Although digital financial technology companies have made significant inroads in the developed world, this continues to be an emerging industry in Latin America and the Caribbean, Bárcena indicated.

Further details: [ECLAC and Cambridge University Launched a Fintech Collaboration Network | News | Economic Commission for Latin America and the Caribbean \(cepal.org\)](https://www.cepal.org/en/news/2021/03/eclac-and-cambridge-university-launched-a-fintech-collaboration-network)

Startup Ciencia will finance 45 science-technology-based projects

The Ministry of Science, Technology, Knowledge and Innovation, through the National Agency for Research and Development, ANID, announced the list of science-technology projects that were awarded [Startup Ciencia](https://www.anid.gub.cl), a call that will deliver up to \$120 million to the selected initiatives over a period of 12 months, with the possibility of extending this support for an additional six months.

Startup Ciencia, which doubled the number of projects awarded compared to its 2020 version, selected 45 initiatives that develop solutions in the area of biotechnology, Artificial Intelligence, medical devices, energy, materials and advanced manufacturing, biomedical and pharmaceutical technologies, nanotechnologies, IoT and digital health and mobility, along with five other projects in the areas of environment, semiconductors, advanced analytics, chemical technologies, health technologies and teaching. These initiatives were evaluated by a broad group of experts.

Further information: [Startup Ciencia will finance 45 science-technology-based projects | ANID](https://www.anid.gub.cl)



COLOMBIA

Colombia and the European Organization for Nuclear Research (CERN) - sign cooperation protocol to advance research in basic sciences

To achieve and enhance bilateral relations with the European Organization for Nuclear Research (CERN), in Switzerland, the Minister of Science, Technology and Innovation, Tito Crissien, visited the facilities of this center on Tuesday to sign a cooperation protocol that allows progress in research in basic sciences.

The Protocol includes new possibilities for cooperation such as the participation of Colombian undergraduate students in CERN's summer program, as well as participation in programs aimed at engineers and doctoral students. This agreement is also the umbrella instrument from which add-ons can be designed for the development of specific activities in the different experiments in which Colombian institutions participate.

Further information: [Colombia and the European Organization for Nuclear Research \(CERN \) sign a cooperation protocol to advance research in basic sciences | Minciencias](#)

iNNpulsA and OurCrowd signed an agreement to strengthen the innovation and financing ecosystem in Colombia

Within the framework of the official visit of the National Government and iNNpulsA Colombia to Israel during the month of November 2021, the iNNpulsA **Colombia** signed an agreement of understanding with OurCrowd, the Israeli platform for risk investment in emerging companies around the world, with the aim of establishing mechanisms that allow the entry of this actor to Colombia to strengthen the entrepreneurial and innovative ecosystem of the country.

In this sense, it is estimated that in the coming months, both iNNpulsA and OurCrowd will define and articulate an inter-institutional committee that will prioritize, identify and validate ventures and other companies that are suitable for investment.

Further information: [iNNpulsA and OurCrowd signed an agreement to strengthen the innovation and financing ecosystem in Colombia | InnpulsA \(innpulsacolombia.com\)](#)

Seven Colombian women scientists are awarded through the program 'For Women in Science'

The global initiative of the L'Oréal group 'For Women in Science' in partnership with Unesco, Ictetex and the Ministry of Science, Technology and Innovation, in its twelfth edition will recognize seven Colombian women scientists for their research projects. This commitment to science has integrated different actors interested in promoting the dissemination and amplification of scientific research developed by women. The winners will be recognized with an academic incentive of 40 million pesos each, which will facilitate the continuity of the execution of the projects postulated in the call for the program.

Nadia Paola Rosero: Her project seeks to apply data science to the coffee fermentation stage.

Diana Vargas Trujillo: Her research seeks to develop a system to determine the effect that coffee consumption has on the modulation of RNA and on the induction or elimination of gene expression.

Diana Alexandra Delgadillo: Starting from the problem posed by climate change for water bodies, the project seeks to analyze the way in which the frog *Leptodactylus lithonaetes*, specialized in tropical rocky outcrops, responds to the risk of desiccation of these ecosystems.

María Marcela Velázquez Toledo: Her research aims to evaluate the potential of Psilocin, a hallucinogenic alkaloid present in several species of fungus, as a new therapeutic approach to depression.

Mariana Ortiz: Sánchez The research aims to find a way to produce energy and fertilization products from food waste.

María Luiza Pinto: The project contemplates the design of robotic systems that allow to have the precision provided by the sense of touch to understand and plan the tasks of interaction or robotic grip with slip control, which is widely required in advanced manufacturing processes.

Mayra Alexandra Tellez Corral: This project aims to evaluate the antimicrobial activity of Lactoferricin B with and without Amphotericin B in controlled drug release systems on polymicrobial biofilms in vitro obtained from subjects who have periodontitis associated with obstructive sleep apnea.

Further information: [Seven Colombian women scientists are awarded through the program 'For Women in Science' | Minciencias](#)

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The Uruguayan start-up VozLab is in the grand final of the World Cup of Entrepreneurship

VozLab, one of the companies representing Uruguay in the World Cup of Entrepreneurship, was selected among the top 25 that will compete in the grand final. It is the first time that Uruguay has joined this competition, in which 100,000 projects from 200 countries participated. In Uruguay, the National Development Agency (ANDE) was the institution that carried out this initiative led by the Global Entrepreneurship Network, Misk Global Forum and Global Education and Leadership Foundation. Among the 25 finalist projects, for Latin America there are representatives from Chile, Brazil and Mexico, in addition to VozLab for Uruguay.

VozLab is a venture that generates voice applications, so that brands interact with their consumers through smart speakers, which in Europe and the United States are already incorporated into car radios and televisions, or can be purchased independently. VozLab focuses on voice technology and Artificial Intelligence and currently works for Amazon and Google. This technology allows smart speaker users to make purchases using only their voice.

Further information: [ANDE - National Development Agency - Uruguayan start-up VozLab is in the grand final of the World Cup of Entrepreneurship](#)

The Most Innovative in Uruguay: The Winners of The Nova Award

The 8th Edition of the NOVA Award was held at the Movie Center Theater on Monday 11/22. The contest organized by the National Agency for Research and Innovation recognizes the most disruptive projects in the country and promotes the innovative capacity of Uruguayan companies, organizations and students.

The winners of the National Innovation Award were VerdeAgua in the Companies category, Abya in Entrepreneurship, Redalco in Social Impact, the Rural School No. 88 "Alfred Nobel" received the Nova Jr. award and the Liceo No. 2 of Artigas was the most voted to receive the Award for The Innovator of the Public.

Further information: [ANII | National Agency for Research and Innovation - THE MOST INNOVATIVE IN THE COUNTRY: THE WINNERS OF THE NOVA AWARD WERE KNOWN](#)

The tenth SME Center of the country was inaugurated in Rocha

On Tuesday 16th November, the SME Center of Rocha was inaugurated, with the presence of the entire board of ANDE. The SME Centers seek to reach the entire Uruguayan territory with tools available to promote the growth of micro, small and medium enterprises, as well as entrepreneurs.

Further information: [ANDE - National Development Agency - The tenth SME Center in the country was inaugurated in Rocha](#)

URUGUAY



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ECLAC Publications: An innovative financing for development agenda for the recovery in Latin America and the Caribbean

ECLAC released their publication on innovative financing solutions for development in middle-income countries which are deeply effected from COVID-19 pandemic.

COVID-19 has brought to the fore the need to address the problem of financing for development in middle-income countries, which has been characterized by the increasing decoupling of per capita income and the ability to mobilize domestic and external resources, and the disconnect between economic and social needs and the response of multilateral cooperation. This must be

urgently addressed, as Latin American and Caribbean countries must recover from the effects of the pandemic and avoid another lost decade.

Middle-income countries, such as those in Latin America and the Caribbean, require multilateral cooperation through the expansion and redistribution of liquidity and debt reduction to enhance their policy space to foster a sustainable recovery and advance their economic and social development.

To address these challenges, the Economic Commission for Latin America and the Caribbean (ECLAC) proposes an innovative financing for development agenda for the recovery in the region based on five policy actions: (i) expand and redistribute liquidity from developed to developing countries; (ii) strengthen regional cooperation by enhancing the lending and response capacity of regional, sub regional and national financial institutions, and strengthening linkages between them; (iii) carry out institutional reform of the multilateral debt architecture; (iv) expand the set of innovative instruments aimed at increasing debt repayment capacity and avoiding excessive indebtedness and (v) integrate liquidity and debt reduction measures into a development financing strategy aimed at building forward better (Caribbean Resilience Fund)

Further information: [Special Report COVID-19 No. 12: An innovative financing for development agenda for the recovery in Latin America and the Caribbean \(cepal.org\)](https://cepal.org)



ECLAC

LATIN AMERICA & CARIBBEAN

Special Report COVID-19



ECLAC



COVID-19
RESPONSE



SCHOLARSHIPS

FUNDING

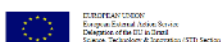
ANNOUNCEMENTS

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](#).



EUROPEAN COMMISSION
European Science Service
Directorate of the STI in Brazil
Science, Technology & Innovation (STI) Section

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 part	topic code with hyperlink	topic title	Type of action	Open and close	Int'l Coop?	Specific countries or regions targeted	References to international coop in topic's text
CLUSTER 7	HORIZON-CO-2020-TRANSFORMATIONS-10.01	Public policies and indicators for well-being and sustainable development	RIA	15/01/2022 20/04/2022	YES	Africa, Asia, Latin America, North America	Proposals should cover a broad range of European countries (also the regions) describing policy cooperation, as well as a sufficient number of non-European countries (e.g. from Africa, Asia, Latin America, North America) for ensuring an international cooperation strategy envisaged.
CLUSTER 5	HORIZON-CO-2020-10.04.02	Digital solutions for offering services in international environments (e.g. video conferencing)	RIA	21/02/2022 17/01/2022	YES (optional)	Mexico (optional countries)	The consortium must include a beneficiary or two or legal entities established in a Mexican Innovation Country, not being Mexican State or Associated Country.
CLUSTER 5	HORIZON-CO-2020-10.04.02	Best international practices for setting up sustainable health	RIA	01/06/2022 10/01/2022	YES	Mexico (optional countries)	International cooperation with Mexican innovation countries is required.

Joint transnational call on Prevention in Personalised Medicine

This call is launched by the ERA PerMed on December 1, which is an ERA-NET Cofund, supported by 32 partners of 23 countries and co-funded by the European Commission (EC).

Scope of the Call

The JTC2022 is constructed around the following three research areas in order to ensure the development of specific PM approaches considering the major aspects needed for their successful implementation in the health systems: (1) “Translating Basic to Clinical Research and Beyond”, (2) “Data and Information and Communication Technology (ICT)” and (3) “Responsible and Effective Implementation in Healthcare”.

Submission deadline for pre-proposals:

17 February 2022 (17:00 CET)

Submission deadline for invited full-proposals:

14 June 2022 (17:00 CET)

Further Information and Call documents

<https://erapermed.iscii.es/joint-calls/joint-transnational-call-2022/>

SCHOLARSHIPS

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EU PUBLIC CALLS

Biodiversa+ 2021-2022 joint Call for Transnational Research Proposals on “Supporting biodiversity and ecosystem protection across land and sea”

This call aims to support transnational research projects (3-years duration) addressing one or more of the three (non-exclusive) themes below:

THEME 1 – Knowledge for identifying priority conservation areas, establishing effective and resilient ecological networks, enhancing species-based protection and preserving genetic diversity

THEME 2 – Multiple benefits and costs of biodiversity and ecosystem protection: synergies and trade-offs

THEME 3 – Effective management and equitable governance to deliver bold conservation outcome

Projects combining aspects from several themes are encouraged. This call is focused on the protection of biodiversity in the wild. This does not, for example, include efforts for restoration of habitats and species, or ex-situ conservation.

Deadline for pre-proposals submission (mandatory): Tuesday 30 November 2021, 15:00 CET (local time in Brussels)

Deadline for full-proposals submission: Thursday 14 April 2022, 15:00 CEST (local time in Brussels)

Further information: <https://www.biodiversa.org/1772>

DFG-CAPES Collaborative Research Initiative: Joint call for Brazilian-German research projects in the field of Industry 4.0, Advanced Digitalisation

CAPES and DFG, the German Research Foundation have launched the following call in the field of Industry 4.0, Advanced Digitalisation:

Within the scope of their Cooperation Agreement, the Brazilian Federal Agency for Support and Evaluation of Graduate Education (CAPES) and the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) are glad to announce a joint call for German-Brazilian research projects in the field of Manufacturing Engineering, especially Industry 4.0, Advanced Digitalisation. The researchers of the funded bilateral projects in each discipline may collaborate by means of workshops, meetings or other collaborative activities.

Deadline : 11 February 2022

Further Information

For more details on the DFG-CAPES Collaborative Research Initiative use the following [Link](#).

LATEST

ENRICH IN LAC

TRAININGS & WEBINARS

Latest Webinars: Horizon Europe: Open calls focusing on Renewable Energy

On Thursday, **25th November 2021** the webinar **Horizon Europe: Open calls focusing on Renewable Energy**, organized by **ENRICH in LAC** and presented in Portuguese, took place.

In this webinar, **Dr Béla Kardon**, Chief Scientific Officer from the Hungarian Regional Centre for Information and Scientific Development, introduced participants from Europe and Latin America to Cluster 5 of the Horizon Europe Work programme (Climate, Energy and Mobility) as well as to the most important details of its open calls targeting renewable energy in order to achieve a sustainable, secure and competitive energy supply.

If you are interested in further details, the recordings of the webinar will be soon available online on [Youtube](#).

Latest webinars: Biomass and Food Biotechnology: Opportunities for Cooperation Between Europe and Latin America

On **Monday, 29th November 2021** the webinar **Biomass and Food Biotechnology: Opportunities for Cooperation Between Europe and Latin America**, organized by **ENRICH in LAC** and presented in Portuguese, took place and provided insights about the theme of Biomass and Food Biotechnology from a European perspective, with opportunities for cooperation between Europe and Latin America.

The online course was jointly lectured by the following experts: **Ricardo Pereira, Christina Rocha, Joana Cunha** and **Daniel Gomes**.

If you are interested in further details, the recordings of the webinar will be soon available online on [Youtube](#).

Latest webinars: Intellectual Property in Latin America: Healthcare Sector

On **Tuesday, 30th November 2021** the webinar **Intellectual Property in Latin America: Healthcare sector**, organized by **ENRICH in LAC** in cooperation with **Latin America IP SME Helpdesk**, took place and provided an overview of the most important Intellectual Property (IP) tools in the Healthcare sector to EU SMEs interested in internationalizing in Latin America.

The Healthcare sector is a highly innovative and challenging industry where ground-breaking products and technologies are needed to stay ahead of the competition.

Research and development efforts on pharmaceutical products, medical technologies, equipment and devices are protected from unlawful copy, misappropriation or even loss of the right by different IP rights or mechanisms, such as Patents, Trade Secrets or Industrial Designs.

In addition, the reputation and distinctiveness achieved by your company through sustained product innovation, product quality standards and original commercial approaches can be protected against imitation or copy by Trademarks, Copyright or Design Rights.

If you are interested in further details, the recordings of the webinar will be soon available online on the [ENRICH In LAC website](#).



LCBA Virtual Corporate Days

The Low Carbon and Circular Economy Business Action (LCBA) in Mexico is an initiative funded by the European Union that aims to facilitate business partnerships between European companies (Mid-caps and SMEs) that offer low-carbon green technologies and Mexican companies.

This initiative seeks to reduce carbon emissions, promote the principles of the EU Green Deal and support the implementation of the Paris Agreement on climate change.

The LCBA Mexico Corporate Days aim to support innovation and the adoption of sustainable technologies and approaches by generating new market opportunities and solid business partnerships between corporates and innovative businesses.

The Virtual Corporate Day is comprised of two parts:

- 1) A 30 minutes **opening session presenting the Corporate's business opportunities in Mexico** to a large audience of European businesses with technologies and solutions relevant to the market.
- 2) An **exclusive matchmaking action** where up to 15 selected European businesses invited to pitch their technologies and have a 30' virtual business meetings with corporate representatives and decision-makers. An **open call for expression of interest** was open to EU SMEs at least 3 weeks prior to the event.

ENRICH in LAC hosted the Low Carbon Business Action Virtual Corporate Day on 16 December 2021 from 9:00 – 12:00 (Mexico City).

Kick-off session SLH Twinning Programme ENRICH in LAC: Pitching and roundtable discussion

On Thursday, **14th December 2021 9:00 AM BRT/ 01:00 PM CEST** the online Kick-off session **SOFT LANDING HUBS TWINNING PROGRAMME**, organised by **ENRICH in LAC** took place.

The ENRICH Twinning Programme is designed for clusters, incubators and tech parks willing to **go international** and to **strengthen their capacities on soft landing services**.

It consists of a **series of interactive virtual meetings** that will foster **networking, capacity building, brokerage** and **matchmaking** among the participants.

Based on mutual learning and sharing of experiences and best practices, the ENRICH Twinning Programme debated the role of the participants in the post-COVID-19 recovery and how they can enhance their knowledge and skills to support their members and companies in overcoming the **digital and green transition challenges** faced at global level.

This first meeting was open to all interested parties.

AGENDA:

TwinPitch – 2 minute pitch of each participant to introduce their organisation.

Expert roundtable – the pandemic context: lessons learnt, challenges and opportunities for soft landing services.

With:

Robert Sanders – Senior Advisor of International Projects at the European Business Network (EBN)

Alicia Shelley – Project Manager at the International Association of Science Parks and Areas of Innovation (IASP)

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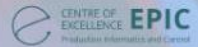
DIGITAL TRANSFORMATION ASSESSMENT

How far along is your company
in terms of digitization?

Find out with this 15 minute online survey.

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Digitalization has extensive effects on the value-creating organizations of all sectors. New business models and processes are becoming established, the development of products and services is changing as well as the interaction with customers, partners, and suppliers. As these changes create new requirements for organizations, they need to reorient and adapt to them, for which they need to know their position in this highly volatile environment.

Latin America and the Caribbean (LAC) has been one of the hardest affected regions from the COVID-19 pandemic. The restrictions implemented to reduce the contact and contagious heavily impacted the economy and GDP per capita dropped the 2010 levels according to the Post Pandemic Covid-19 Economy Recovery Report published by Economic Commission for Latin America and the Caribbean (CEPAL). However, businesses and consumers quickly adopt digital and online channels. The challenges of the pandemic forced industries to accelerate their digital transformation. While many industries are suffering from the pandemic, the companies that are digitally enabled and have developed IT infrastructure resisted better and some industries reached major growth numbers.

Digital Transformation Assessment Tool

Understanding the digital transformation status quo and having a benchmark is essential for organizations adopting digital transformation strategies. A holistic reference model to assess the digital transformation process of companies was developed by Fraunhofer IPK in Berlin. Both extensive literature review and expert discussions were carried out. A self-assessment tool was created which is able to define the current state of organizations in digital transformation and action fields to implement digital transformation strategies. Thanks to broad support in the implementation by organizations and initiatives like ENRICH in LAC, China, and the USA, EPIC as well as ANPEI, the study aims to capture the status quo of digital transformation in an international context.

A structural framework was required to understand and embody an organization in digital transformation. The tool utilizes seven assessment dimensions and 33 assessment items that embody an organization in digital transformation. After model analysis, workshop series, and considering further challenges and drivers of digital transformation, the seven dimensions of digital transformation are defined as

corporate strategy, leadership & corporate culture, organization & processes, employees & competences, technology, products & services, and supply chain & networks.

ENRICH in LAC & ANPEI members exclusive: Webinar on Digital Transformation Assessment

On 30th April 2021, ANPEI organized a webinar exclusively for ENRICH members where the participants gained knowledge about the role of digital transformation for organizations, its drivers and barriers and how to assess the readiness level of digital transformation in their institutions. Furthermore, the preliminary global results of the Digital Transformation Assessment Tool have been presented exclusively for the ENRICH and ANPEI members first. The report will be launched for the EU-LAC STI community on the ENRICH project [website](#) at the beginning of 2022.

Results of the global status

On a period of 9 months, from June 2020 to April 2021, more than 300 answers from a total of 13 countries and 19 different industry sections were received. The great majority of 33% of participants originate from the manufacturing sector, 22% came from the information and communication sector, and 5% from the professional, scientific, and technical activities sector. The results show that the survey is representative of all sizes of

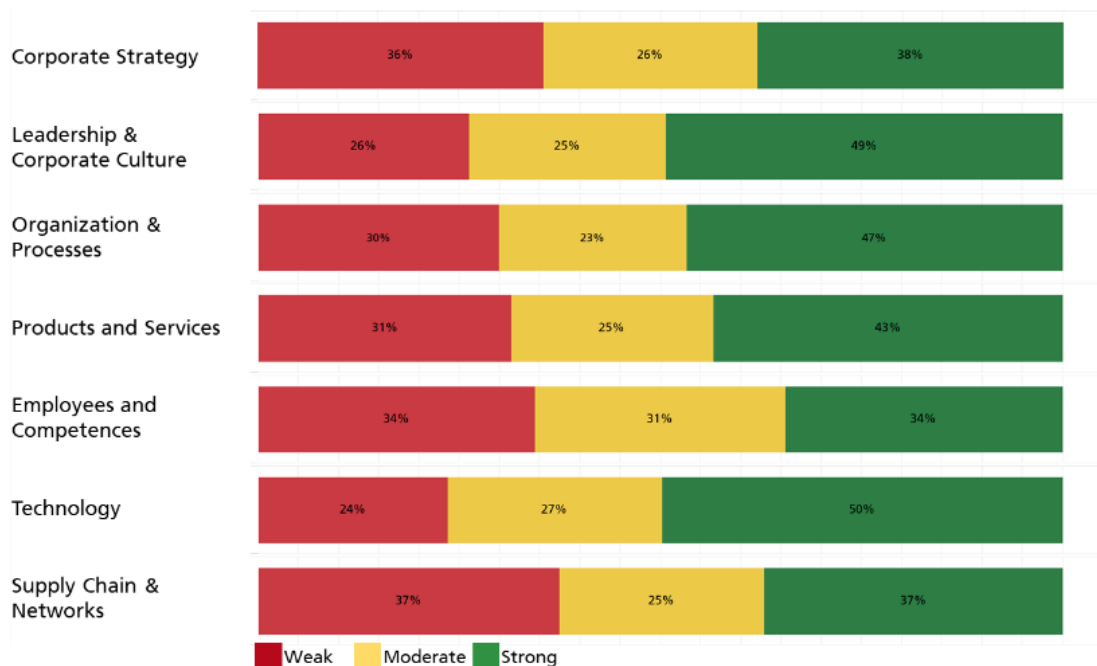
companies, as both large companies and SMEs are covered - the great majority, 65%, being SMEs (<250 employees).

While half of the companies have digitalization as a major component of corporate strategy, defined measurable goals are absent in 30% of the companies. Another major impediment is the inadequate monitoring of activities to reach company targets in digital transformation.

When analyzing the importance of leadership & corporate culture, two-thirds of the companies reported that their top management is actively driving the digital transformation forward.

More than 50% stated that their operational employees have a positive attitude towards digital transformation. A weak point has been found in the way activities for the digital transformation are communicated to the employees, nearly 40% wish for a more target-oriented manner. By deep-diving into the key area of organization & processes, it was analyzed that 60% agree that their company has already recognized the benefits of new forms of work and organization made possible by digital technologies.

In the field of employees & competencies, it was deduced that most companies use digital solutions not systematically for HR





management tasks. More than half of the companies do not regularly evaluate their employees' digital competencies. 75% of the companies state that the personal skills of their employees are sufficiently developed to successfully master the challenges of digitalization. Only 32% assess the social-communicative skills of their employees in the digital work environment as adequate to master the challenges of digitalization.

In the scope of the technological dimension, it was found that nearly 60% have defined and implemented necessary standards and regulations for IT security. Nearly two out of three companies make extensive use of digital technologies to improve cross-functional cooperation and knowledge transfer within their organization. High uncertainty was reported regarding the maturity of the systems to collect, consolidate, aggregate, and evaluate data in real-time with only 34% of the companies stating a high maturity of their IT and data architecture.

More than half of the companies monitor external market and technology developments systematically and continuously to identify new approaches for the further development of their business model. Over 30% see potential in the analysis

and utilization of digitally collected usage data for the continuous development of their products and services. In addition, 38% strongly involve external stakeholders in the development of digital products and services. Nearly half of the companies strongly supplement their products and services with additional digital offerings.

A share of 47% makes extensive use of digital software solutions and digital channels & interfaces for customer management. One-third of the companies practice regular exchanges with external experts and partners to gain knowledge on digitalization trends.

Are you interested in participating in the digital transformation assessment survey? The digital transformation assessment survey can be completed in 15 minutes furthermore your organization will receive a company-specific online evaluation. The results help understand the stand of your organization in the digital journey. This supports identifying the main topics that are of particular importance for the digital viability of your company.

[For more information and to participate in the survey click here](#)



Florian Kidschun is a researcher at Fraunhofer Institute for Production Systems and Design Technology (IPK), Division Corporate Management in Berlin, Germany. He studied Business Engineering at Technical University of Berlin and Dresden. Since joining Fraunhofer in 2015, he conducted international consulting projects in Europe and Brazil with project responsibility on Benchmarking, Strategic Business Development and Best Cost Country Sourcing.

Contact: florian.kidschun@ipk.fraunhofer.de

THE CONFERENCE BOARD REPORT REALIZING THE FULL POTENTIAL OF DIGITAL TRANSFORMATION



THE CONFERENCE BOARD Report on Realizing the Full Potential of Digital Transformation

[THE CONFERENCE BOARD](#), which is the member-driven think tank founded in 1916 and a nonpartisan, not-for-profit entity holding 501(c)(3) tax-exempt status in the United States, has recently published a report on [Realizing the Full Potential of Digital Transformation](#). The report comprises research aiming to help businesses efficiently and effectively adopt digital technologies to achieve superior outcomes from digital transformation that is primarily based on 14 interviews with digital transformation leaders and executives from 14 companies across the US and Europe. The interviewees have diverse job titles, such as chief digital officer, chief IT officer, and R&D director, reflecting the reality that digital transformation occurs across a multitude of functions. The 14

companies cover 10 industries, providing a vantage point into common success factors across industries.

The report defines digital transformation as the use of digital technologies (such as ubiquitous broadband, cloud storage, mobile technologies, data analytics, machine learning/ artificial intelligence, and emerging production technologies such as additive manufacturing) and the data they produce to connect organizations, people, physical assets, and processes to generate better business outcomes, including capitalizing on customer needs, realizing efficiencies and productivity growth, improving the effectiveness of decision making across the organization, and enabling new business models. Digital transformation is thus distinct from digitization, which refers to adding digital elements to existing processes and strategies.

Especially under the conditions of the global COVID-19 pandemic, the utilization of digital technologies is crucial to cope with the current world and to help us through the pandemic and its aftermath. Many companies urgently need to make critical adjustments and reinvent themselves in order to not only survive but also to prosper in the post-COVID world.

Thus, understanding the potential of digital transformation has become a very important prerequisite of corporate planning and the report observed that companies that have successfully executed digital transformation share two common traits: 1) they have the discipline to undertake digital initiatives only if they are aligned with the overarching corporate or business unit strategy, and 2) they carry through the adoption of new digital technologies to create new business models, leading to new sources of competitive advantage. Therefore, the following three areas of focus were identified: (1) Digital transformation & Business Strategy (2) Digital transformation & Business model innovation and (3) Measuring Digital Transformation.

(1) Digital transformation must be integrated within the business strategy

From the interviewed companies, it was clear that those with a digital strategy closely derived from the overarching corporate or business unit strategy saw superior results from their digital transformations. Effectively, these companies were not “going digital” merely for the sake of “going digital.” Rather, they were implementing digital technologies as part of their overall business strategy.

(2) Digital transformation is most impactful when it leads to business model innovation, fully leveraging the opportunities the new digital economy introduces.

New digital technologies can help firms realize revenue growth, market share gains, and operational efficiencies through tactical improvements such as upgrading customer experience by offering new digital channels. But they can be more powerfully leveraged to create entirely new business models. For example, a leading US publishing company digitizes its textbooks and develops different subscription models for students, professors, and institutions, allowing for innovative product bundles, deeper collaboration with professors and students in product development, and new profit channels.

(3) Measuring and managing digital transformation requires a multifaceted approach.

Most companies do not measure digital transformation because they lack a comprehensive way of doing so. THE CONFERENCE BOARD presents a multifaceted measurement system that comprises: inputs, to gauge digital transformation readiness; throughputs, to evolve the business model and to take stock of digital transformation initiatives; and outputs, to measure business results. By not measuring digital transformation, firms risk being in the dark as to the readiness for and returns on their digital investments. THE CONFERENCE BOARD Signposts of Innovation framework for innovation measurement offers a way for companies to also manage and measure digital transformation. By doing so, companies can assess their readiness to execute digital transformation, prioritize the components to maximize effectiveness, and ultimately improve outcomes.

[Click here](#) to read the full report (English) and to get further details and more information about the three areas of focus and the two case studies that were included in the report as well.

CLICK HERE TO READ THE FULL REPORT

MORE INFORMATION AT: THE CONFERENCE BOARD

THE CONFERENCE BOARD REPORT THE IMPACT OF THE PANDEMIC ON DIGITAL TRANSFORMATION

THE CONFERENCE BOARD Report on The Impact of the Pandemic on Digital Transformation

[THE CONFERENCE BOARD](#), which is the member-driven think tank founded in 1916 and a nonpartisan, not-for-profit entity holding 501(c)(3) tax-exempt status in the United States, has recently published a report on [The Impact of the Pandemic on Digital Transformation](#). The report is a follow-up to the previous research based on interviews with executives from 14 companies in the U.S. and Europe, summarized in their report [Realizing the Full Potential of Digital Transformation](#) (see report summary p. 18). This new report presents the results of re-interviewing executives from six of these 14 companies to find out how the COVID 19 pandemic had affected their digital transformation process and what lessons they had learned from it.

Many digital technologies and digitally transformed businesses were claimed during the pandemic. The world was fortunate to have digital technologies that offered non-contact alternatives for work, shopping, and education. While none of this was easy or straightforward, they enabled people to adapt to the global crisis situation. Thus, trends that were already underway at the outbreak of the pandemic, such as remote

work, e-commerce, and distance learning, greatly accelerated, and these new modalities will be important in the post-pandemic future.

Thus, as it has become apparent that digital technologies played a prominent role in the world's ability to cope with the global crisis, THE CONFERENCE BOARD researched how the pandemic had affected the companies they had interviewed before, and how well they had fared. The virtually held follow-up conversations provided the following insights:

1) Culture is more challenging than technology.

Companies are finding that maintaining and adapting corporate culture during the pandemic-induced rise in remote work is an even greater challenge than getting the technology right. Transferring company culture to the world of virtual meetings is difficult, and companies are just beginning to learn how to do it. On the positive side, companies quickly developed more global collaboration and benefited from the geographic flexibility that came with remote working. These were all pandemic responses, but companies are already considering how to incorporate these positives into their organizations in the long-term aftermath of the pandemic.

2) The pandemic has given rise to a more agile planning process.

Companies have realized that strategy is as much about what an organization stops doing as what it starts to do. As they ceased activities they once thought essential but now understand to be optional, they learned how to achieve a new level of excellence in strategic planning. Since COVID-19 has taught us that the world is moving faster than ever, businesses across industries adapted quickly, which changed the competitive landscape. More importantly, businesses learned that they could move much faster than they had thought possible.

3) Quality matters in the long term.

As enterprises move into a new steady-state, it is important to understand which changes will likely be permanent and to rationalize short-term fixes. Redundant services should be weeded out. The normal procurement process should be followed to ensure that services are obtained from qualified vendors under cost-effective contracts. Any security and privacy “shortcuts” must be eliminated. It would be worthwhile to commission a security audit of the resulting environment.

4) Prepare for the next disruption.

Enterprises should ensure that their new environment has the flexibility and agility to react to future shocks. Companies that had well-prepared digital platforms found it much easier to react appropriately to the pandemic. Now is the time for all enterprises to achieve at least a basic level of digital proficiency to be better prepared for future disruptions.

5) Make supply chains more agile.

Even if the global response to the pandemic leveraged many digital technologies and digitally transformed enterprises, one type of digital technology complicated the response

to the pandemic: highly optimized supply chains. The problem was that there were sudden, massive shifts in consumer demand, and it had to be noted that a highly optimized supply chain often lacks the ability to substitute alternate sources of supply. There were also logistical challenges in that even when products were available, they were in the wrong places. The COVID-19 pandemic shows that more agility needs to be built in and human insights need to be incorporated into today's fully automated systems.

6) Cut out the middleman to get closer to customers.

The pandemic is also accelerating the need for a more integrated flow of data and information between product design and customers to enable the effective development of new products and services. Due to significant supply chain disruptions, firms are realizing that relying on third-party distribution channels risks giving them only limited or outdated customer insights, and they need to have a more direct connection to their customers to better understand shifting demand patterns.

Every crisis generates challenges and opportunities. The COVID-19 pandemic is one of the greatest health and economic crises the world is faced within many decades, and the challenges and opportunities are correspondingly great. Businesses have the opportunity to redefine and reinvent themselves in order to succeed in the post-pandemic world.

[Click here](#) to read the full report (English) and to get further details and more information about the issues in the specific context of digital technologies and digital transformation and a number of lessons learned and concrete recommendations for enterprises.

[CLICK HERE TO READ THE FULL REPORT](#)

[MORE INFORMATION AT: THE CONFERENCE BOARD](#)

COUNTRY PROFILE

COLOMBIA & EU



Colombia is a key ally of the European Union and a like-minded partner at bilateral, regional and multilateral levels. Today, we committed to taking our relationship further: working jointly to address global challenges such as the COVID-19 pandemic. Closer engagement is also crucial on climate change and on the environment, and we agreed on an ambitious environmental agenda, as enshrined in the Green Deal and in Colombia's own policies.



This statement was made by Ursula von der Leyen, President of the European Commission, on September 21, 2021, while the EU and Colombia agreed on a “Memorandum of Understanding on an Agenda of enhanced political and sectoral dialogue and cooperation for the next decade”, signed by High Representative Josep Borrell and the Vice-President and Foreign Minister of Colombia, Marta Lucía Ramírez in New York, in her presence and that of the President of the Republic of Colombia, Iván Duque Márquez. The Memorandum of Understanding highlights the importance of EU-Colombia relations and the intention to take forward and to deepen and strengthen longstanding ties ([European Commission](#)).

Colombia is the fourth largest economy in Latin America, after Brazil, Mexico, and Argentina, and has the third largest population with approximately 50 million inhabitants ([International Trade Administration](#)).

According to the analysis of the International Trade Administration, following the signing of the peace agreement with the FARC insurgency group in 2016 and Colombia's improving security environment over the last two decades, the country is enjoying a period of improved stability and economic prosperity that is

stimulating development in several key sectors, including infrastructure, tourism, job training, education, and rural development. The tighter government budgets and restrictions on travel that resulted from the COVID 19 pandemic have put temporary dampers on many of these sector's near-term prospects, but all are expected to rebound and remain priorities of the Colombian Government, especially rural development and tourism ([International Trade Administration](#)).

In contrast to most Latin American countries with only one or two major cities, Colombia has five commercial hubs: Bogota, Medellin, Cali, Barranquilla, and Cartagena ([International Trade Administration](#)).

Economic Forecast

Following the country forecast given by [The Economist](#), GDP will only partly recover in 2021 after a deep coronavirus induced recession in 2020. The president, Iván Duque, a pro-business political moderate, will prioritize an agenda to support an economic recovery, but governability will deteriorate gradually as his pro government coalition weakens in the run up to the 2022 presidential elections. The risk of social unrest will rise as the recession

compounds existing social tensions that peaked at end 2019. Therefore, a gradual fiscal consolidation is expected only in 2022-25.

The economic outlook by the OECD points out that Macroeconomic policies have responded to the crisis in a bold and timely manner, and that additional healthcare spending, income support to households, wage subsidies and extended credit lines have been facilitated by a temporary suspension of the fiscal rule ([OECD Economic Outlook Colombia](#))

Colombia's Science Technology and Innovation (STI) Landscape

In 2019, the science council COLCIENCIAS, Colombians former administrative department of Science, Technology and Innovation was upgraded into the Ministry of Science, Technology and Innovation (Minciencias). The newly formed Ministry is expected to optimize the dialogue between public, private, regional, and international R&D actors and thus strengthen the national system for STI, e.g. by promoting national programs for the training of young scientists, basic research and innovation in education. The National Development Plan 2018-2022 places a particular focus on the areas of environment, sustainable development, and digitization. Additionally, various sectoral development plans were drawn up in 2018, including the "National ICT research and innovation plan 2018-2022" and the "National Plan for Research and Innovation in Agriculture 2018-2022".

Colombia is a fast-growing country that emphasizes innovation, and several policy strategies (e.g. Vision Colombia, Pact for Science, Technology, and Innovation) form the basis for national promotion of technology development in the private sector. In addition, Minciencias and the Ministry of Economy, the Chambers of Commerce and Industry and the business development bank "FIDUCOLDEX" are responsible for promoting technology development in the private sector. Apps.co is an initiative by the Ministry of Communications and Transportation that helps Colombian turn ideas into businesses; the program emphasizes the development of mobile applications,

software, and content ([Launchway Media](#)).

Colombia was eligible under H20 20 and participates/participated in 75 projects (state of February 2021)([Horizon 2020 Dashboards](#)). The city Medellín is listed 5th and the capital Bogotá 7th on the Latin American Cities Innovation Index ([Innovation Cities](#)).

National Science Technology and Innovation priorities

In 2019, President Iván Duque presented the "International Mission of the Wise Men", whose objective is to contribute to the construction and implementation of public policy in education and STI. The Mission brings together an outstanding group of 47 experts in different areas of knowledge, who participate ad honorem and help define the route for the advancement of STI in the country. They defined the following national priorities ([International Mission of the Wise Men](#)):

- Industry 4.0
- Cultural and creative industries (orange economy)
- Renewable energy (intelligent power grid, biofuels & solar energy)
- Biotechnology, environment and bioeconomy (food safety, biodiversity, water resources and climate change)
- Oceans and hydrobiological resources
- Social sciences and human development with equity
- Life and health sciences
- Basic and space sciences

Previous contribution in Horizon 2020

In total 94 Colombian organisations were involved in Horizon 2020 projects with a total of 8.79M Euro funding received by the project's participants. Structured by thematic priority, projects were conducted mainly within the frame of ([Horizon 2020 Dashboards](#)):

- Marie Skłodowska-Curie Actions (42 participations)
- Climate action, environment, resource efficiency and raw materials (19 participations)

- European Research Council (3 participations)
- Food security, sustainable agriculture and forestry, marine and maritime and inland water research (3 participations)
- Research Infrastructure (3 participations)
- Develop the governance for advancement of responsible research and innovation (2 participations)
- Smart, green and integrated transport (2 participations)
- Advanced manufacturing and processing (1 participations)
- Advanced materials (1 participations)
- Europe in a changing world- inclusive, innovative and reflective societies (1 participations)
- Advanced manufacturing and processing (1 participations)
- Future and emerging Technologies (1 participations)
- Encourage citizens to engage in science (1 participations)
- Information and Communication on Technologies (1 participations)
- Secure, clean and efficient energy (1 participations)

The three major organisations in terms of received funding were the Universidad Industrial de Santander (1.24M Euro), CENTRO INTERNATIONAL DE AGRICULTURATROPICAL

(CIAT) (1.01M Euro) and PONTIFICIA UNIVERSIDAD JAVERIANA (954,04k Euro). The main collaboration links are Spain with 209 collaborations, Germany with 133 collaborations and Italy with 101 collaborations ([Horizon 2020 Dashboards](#)).

Regarding Colombia's SME Performance regarding Horizon 2020, 17 SME applied for H2020 project from which 5 SMEs were actually involved with a total net EU contribution of 302k Euro funding received ([Horizon 2020 Dashboards](#)).

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 Colombia, can take part in most calls ([European Commission](#)).

As Colombia is included in Horizon Europe's list of low and mid-income countries, participants from Columbia are automatically eligible for EU funding, unless specific limitations or conditions are laid down in the work programme and/or the call/topic text ([List of eligible countries \(HE\)](#)).

Top Collaborations

Collaboration links in the projects where Colombia is involved

