



Cooperação entre Brasil e União Europeia no contexto do Horizonte 2020

Seleção de Chamadas de possível interesse para o Brasil: 2018 - 2019

O H2020 lançou novas chamadas para o período 2018-2020, direcionadas a projetos de pesquisa & inovação, em todas as áreas do conhecimento, com um financiamento total de aproximadamente 30 bilhões de Euros.

A participação brasileira, em geral, necessita de um co-financiamento. Uma das possibilidades de co-financiamento podem ser encontradas por meio das “Guidelines”, ou Diretrizes, que são publicadas pelas FAPs e abrangem todo o programa H2020 e suas chamadas. Outra possibilidade é que as FAPs escolham chamadas específicas de interesse, publicando individualmente Guidelines focadas para as referidas chamadas.

Algumas chamadas não seguem essa regra, existindo a possibilidade dos pesquisadores brasileiros receberem financiamento do H2020.

Segue uma seleção de chamadas de possível interesse para o Brasil. Pelo código da chamada é possível acessar o link para a descrição na íntegra.

CHAMADAS COM POTENCIAL INTERESSE PARA O BRASIL - PARTICIPAÇÃO – COM CO-FINANCIAMENTO			
Tópico	Chamada	Objetivo	Prazos
Segurança alimentar & Agricultura	New and emerging risks to plant health SFS-05-2018-2019-2020	<u>Proposals will target one or more new or emerging plant pests and/or diseases (regulated or non-regulated, introduced or native) that are causing, or likely to cause, significant (socio-) economic and/or environmental losses. The choice of target pest and/or disease will consider the potential threat in terms of development and spread, its potential exacerbation under climate change as well as the potential impact on agricultural production, forestry, trade and the wider environment. Proposals will improve methods and strategies for early detection, prevention and control as well as enlarge the range of tools for integrated and</u>	Abre: 16/10/2018 Encerra: 23/01/2019 (1 st stage) 04/09/2019 (2 nd stage)



	<p><u>Type of Action:</u> Research and Innovation Action (RIA)</p>	<p><u>sustainable pest/disease management.</u> International cooperation with countries affected or threatened by the same pest(s)/disease(s) is encouraged. Proposals should fall under the concept of the 'multi-actor approach' including a range of actors to ensure that knowledge and needs from various sectors such as research, plant health services and the farming/forestry sector are brought together.</p>	
	<p>Anti-microbials and animal production</p> <p><u>SFS-11-2018-2019</u></p> <p><u>Type of Action:</u> Research and Innovation Action (RIA)</p>	<p>Activities shall focus on developing and testing new, efficient and targeted alternatives to anti-microbials in farmed animal production. This could be any type of alternative intervention measures (prophylaxis/prevention or treatment), other than vaccines - such as the modulation of host immunity and/or of microbial flora, feed additives or novel molecules. Basic research on gut microbiome should not be covered under this topic. Proposals should take into account the guidelines, standards and legislation in the field, to facilitate the marketing of the measures the project will identify. Proposals should fall under the concept of 'multi-actor approach, involving at least representatives of practitioners (e.g. veterinarians), of the feed/feed additives and pharmaceutical industries.</p>	<p>Abre: 16/10/2018</p> <p>Encerra:</p> <p>23/01/2019 (1st stage)</p> <p>04/09/2019 (2nd stage)</p>
<p>Matérias-primas</p>	<p>Raw materials policy support actions for the circular economy</p> <p><u>CE-SC5-08-2018-2019-2020</u></p> <p><u>Type of Action:</u> Coordination and Support Action (CSA)</p>	<p>Responsible sourcing of raw materials in global value chains (2019): <u>Actions should create a global business and stakeholder platform for exchange of information and the promotion of responsible sourcing and responsible business conduct involving a network of key international experts and stakeholders. The aim is to engage governmental and corporate partners from the EU/Associated Countries and third countries in developing a globally acceptable concept of a responsible sourcing in minerals and metals value chains.</u> Interaction with other related existing platforms, networks and initiatives is encouraged. Actions should consider the relevant aspects related to environmental sustainability.</p>	<p>Abre: 14/11/2018</p> <p>Encerra: 19/02/2019</p>



	<p>New solutions for the sustainable production of raw materials (Digital mining)</p> <p>SC5-09-2018-2019</p> <p><u>Type of Action:</u> Research and Innovation Action (RIA)</p>	<p>Digital mine: Actions should develop an Industrial Internet of Things (IIoT) platform to significantly enhance the efficiency of mining operations by connecting cyber and physical systems and devices to extract valuable insights from their data, in order to improve the decision-making process, better address customer requirements, and to address health and safety aspects, environmental performance, increased automation, predictive maintenance, resource efficiency and real-time coordination of operations. Usage scenarios for mining operations should be presented to demonstrate the viability of the proposed IIoT approach. Actions should promote the adoption of IIoT platforms in the mining sector at EU level.</p> <p>Recovery of metals and minerals from sea resources: Actions should develop new technological solutions for the processing of minerals and metals from sea resources, including seawater brines, and/or the seabed in a sustainable way addressing the challenges of industrial viability of the whole process and accessibility, and responsibly addressing the environmental impacts. In the case of minerals and metals dissolved in sea water, actions should demonstrate the technological feasibility and cost-effectiveness of highly efficient and effective recovery processes.</p>	<p>Abre: 14/11/2018</p> <p>Encerra: 19/02/2019 (1st stage) 04/09/2019 (2nd stage)</p>
<p>Mudanças Climáticas</p>	<p>Negative emissions and land-use based mitigation assessment</p> <p>LC-CLA-02-2019</p> <p><u>Type of Action:</u> Research and Innovation Action (RIA)</p>	<p>a) Feasibility of negative emissions for climate stabilisation: Actions should assess the potential, effectiveness, efficiency, risks and costs of existing and emerging negative emission technologies and practices for climate stabilisation and their impact on: land, subsurface, water, oceans and other resources, bio-diversity, human safety, food security, ecosystems and their ability to deliver services to society, including implications for resilience, sustainability, feedbacks on climate and the global carbon cycle, and other relevant issues. Actions should also cover the issue of public acceptance and explore the international governance</p>	<p>Abre: 14/11/2018</p> <p>Encerra: 19/02/2019 (1st stage) 04/09/2019 (2nd stage)</p>



		<p>requirements associated with large-scale deployment of negative emission technologies and practices.</p> <p>b) Land-based mitigation: Actions should provide a comprehensive analysis of various land-use based mitigation options at the global and regional level, assessing their potential and effectiveness in providing large-scale reductions of greenhouse gases, in the context of trade-offs and/or co-benefits in relation to other pressures and goals (e.g. food, energy and water security, biodiversity) and should analyse feedbacks between land-use based mitigation and climate change impacts. Actions should also improve current methodologies to estimate emissions and removals associated with land use measures, also by leveraging observations from GEOSS and in particular the Copernicus programme.</p>	
<p>Migração</p>	<p>Understanding migration mobility patterns: elaborating mid and long-term migration scenarios</p> <p><u>MIGRATION-01-2019</u></p> <p><u>Type of Action:</u> Research and Innovation Action (RIA)</p>	<p>Patterns, motivations and modalities of migration should be explored, with a focus on new geographies and temporalities. This may include among others the changing nature of flows and factors such as international demand for and supply of labour, sector policies in countries of origin and destination, aging population in industrialised countries, demographic trends in countries of origin, migration propensity, transnational networks, the impact of corruption, shifting representations of Europe, temporary migration and return (both voluntary and forced) and forced movements linked to conflicts, environment-related threats, other relevant geopolitical factors, international development and regional policies, as well as livelihood opportunities (e.g. inequalities, income levels, poor job opportunities, working conditions, traditional gender roles). The involvement of refugee and migrant scholars and scientists from relevant backgrounds and disciplines is strongly encouraged.</p>	<p>Abre: 06/11/2018</p> <p>Encerra: 14/04/2019</p>



<p>Nanotecnologias</p>	<p>Safe by design, from science to regulation: metrics and main sectors</p> <p>NMBP-15-2019</p> <p>Type of Action: Research and Innovation Action (RIA)</p>	<p>Risk management involves quantifying hazard (toxicity) and exposure, and taking the necessary steps to reduce both to acceptable levels, ideally at an early stage of the nanomaterial development process (Safe-by-Design). Various industrial sectors, and in particular structural or functional materials, coatings and cosmetics, as well as pharma and health technology are currently searching for ways to mitigate possible risks from nanomaterials and nano-containing products. <u>The challenge now is to distil existing methods into simple, robust, cost-effective methods for monitoring and modelling of physical-chemical properties and biological effect assessment of nanomaterials in relevant use conditions including in product-relevant matrices.</u></p>	<p>Abre: 16/10/2018</p> <p>Encerra: 22/01/2019 (1st stage) 03/09/2019 (2nd stage)</p>
<p>Agricultura</p>	<p>Closing nutrient cycles (topics b and c)</p> <p>CE-RUR-08-2019-2020</p> <p>Type of Action: Innovation action (IA)</p>	<p>Several technologies are being developed to recover and re-use nutrients from organic by-products, but many are insufficiently mature and the characteristics of end-products do not always match end-user preferences. <u>B.[2019] Bio-based fertilisers from animal manure: Projects shall demonstrate processes for recovery of mineral nutrients and production of novel fertilisers from animal manure. Proposals shall perform a thorough analysis of the state of the art, and demonstrate that the activities proposed go beyond past or ongoing research, without overlaps. Proposals shall address end-product marketability, safety, sustainability including emissions of greenhouse gasses and pollutants, and compliance with relevant EU regulations. An integrated assessment of the business model (economic, agronomic, social and environmental) shall be performed. The whole value chain shall be demonstrated to a near-commercial scale (TRL 6-7). Proposals shall fall under the concept of the 'multi-actor approach' including relevant actors such as agro-food industries, technology providers, research centres, end-users (farmers and farmer associations), or public administration.</u></p>	<p>Abre: 16/10/2018</p> <p>Encerra: 23/01/2019</p>



		<ul style="list-style-type: none"> ○ <i>Call conditions: For sub-topics B and C, participation of partners from CELAC countries is encouraged.</i> 	
Segurança alimentar	<p>ICT-enabled agri-food systems</p> <p>SFS-31-2019</p> <p>Type of Action: ERA-NET Cofund</p>	<p>The agri-food sector is subject to multiple external pressures, such as rising demand for food, competition for land and other natural resources with other biomass uses, globalisation, threats from animal or plant diseases, environmental changes and public health considerations. This implies the need to become <u>more efficient and sustainable; improve its impact on consumer health; take advantage of new technological developments; and become more transparent and responsive to consumer demands, within a food-system approach.</u></p>	<p>Abre: 16/10/2018</p> <p>Encerra: 23/01/2019</p>
Cidades Sustentáveis	<p>Strengthening international cooperation on sustainable urbanisation: nature-based solutions for restoration and rehabilitation of urban ecosystems</p> <p>SC5-13-2018-2019</p> <p>Type of Action: Research and Innovation action (RIA)</p>	<p><u>Actions should develop models, tools, decision support systems, methodologies, strategies, guidelines, standards and approaches for the design, construction, deployment and monitoring of nature-based solutions and restoration, prevention of further degradation, rehabilitation and maintenance measures for urban and peri-urban ecosystems and the ecological coherence and integrity of cities.</u> Actions should review and capitalise upon existing experiences and good practices in Europe and CELAC, for option b: Strengthening EU-CELAC collaboration.</p> <ul style="list-style-type: none"> ○ <i>Call conditions: Proposals shall include at least three participants from CELAC countries.</i> 	<p>Abre: 14/11/2018</p> <p>Encerra: 19/02/2019 (1st stage) 04/09/2019 (2nd stage)</p>
Mudanças climáticas	<p>ERA-NET Cofund action(s) for climate action, environment, resource efficiency and raw materials</p> <p>SC5-21-2019-2020</p>	<p><u>Actions should focus on one of the following issues: emerging pollutants; international cooperation on disaster risk reduction and multi-hazard risk management, with emphasis on environmental change; health, environment and climate change; conservation and protection of cultural heritage; biodiversity and climate change; conservation and restoration of degraded ecosystems and their biodiversity, including a focus on aquatic systems; enhancing urban transformation</u></p>	<p>Abre: 14/11/2018</p> <p>Encerra: 19/02/2019</p>



	<p><u>Type of Action:</u> ERA-NET Cofund</p>	<p><u>capacities/circular cities; sustainable supply of raw materials; next generation of climate science in Europe.</u></p> <p><u>Call conditions:</u> Synergies should be ensured with relevant public-public partnerships such as the JPI Water, JPI Climate, JPI Cultural Heritage and/or the BiodivERsA ERA-NET, as well as with international programmes such as the Belmont Forum, as appropriate.</p>	
<p>Meio Ambiente, mudanças climáticas & energia</p>	<p>Urban mobility and sustainable electrification in large urban areas in developing and emerging economies</p> <p>LC-GV-05-2019</p> <p><u>Type of Action:</u> Innovation action</p>	<p>Climate change, energy security and local air pollution are some of the key questions for the 21st century. Urban areas in developing and emerging countries are major driving factors in growing global energy demand and Greenhouse Gas emissions. <u>Actions should bring together European, Asian (e.g. China), CELAC (Community of Latin American and Caribbean States) and African research partners, government agencies and urban authorities, private sector and civil society with relevant expertise and competence within the corresponding cooperation framework and foster participatory engagement in urban electrification in order to reduce air pollution and CO2 emissions. All types of vehicle are considered under this topic (powered 2 wheelers, cars, buses, trucks and LDV).</u></p> <ul style="list-style-type: none"> ○ <u>Call conditions:</u> <i>Proposals shall include at least two participants/cities from CELAC countries.</i> 	<p>Abre: 04/12/2018</p> <p>Encerra: 24/04/2019</p>
	<p>Aviation operations impact on climate change</p> <p>LC-MG-1-6-2019</p> <p><u>Type of Action:</u> Research and Innovation action</p>	<p>This action is part of the Aviation International Cooperation Flagship called "Safer and Greener Aviation in a Smaller World". In addition to CO2, the climate impact of aviation is strongly influenced by non-CO2 emissions, such as nitrogen oxides, influencing ozone and methane, and water vapour, which can lead to the formation of persistent contrails in ice-supersaturated regions. <u>Beyond the perennial challenge in developing new technologies that can</u></p>	<p>Abre: 04/12/2018</p> <p>Encerra: 24/04/2019</p>



		<p><u>minimize the impact in the medium and longer term, the main objective of this action is expected to address mitigation strategies that will minimise those negative effects by aviation on climate in the short-medium term and are relevant for greener flight trajectories and operations.</u></p>	
<p>Mudança Climática, Biodiversidade & Ecossistemas</p>	<p>Iner-relations between climate change, biodiversity and ecosystem services</p> <p>LC-CLA-06-2019</p> <p>Type of Action: Research and Innovation action</p>	<p><u>Actions should investigate at all relevant spatial and temporal scales the way that ecological processes, biodiversity (including terrestrial and/or marine ecosystems as appropriate) and ecosystem services are impacted, both directly and indirectly, by climate change. Actions should consider the interactions and feedbacks between climate change and biodiversity, ecosystem functions and services.</u> They should account for social, ecological and economic aspects and climate change relevant stressors and sources of uncertainty. Work should build, as appropriate, on existing knowledge and activities such as Copernicus Services, in particular on climate change, land monitoring and marine environmental monitoring, and contribute to long-term monitoring initiatives.</p> <ul style="list-style-type: none"> ○ <i>Call conditions: In line with the strategy for EU international cooperation in research and innovation, international cooperation is encouraged, in particular with CELAC countries.</i> 	<p>Abre: 14/11/2018</p> <p>Encerra: 19/02/2019 (1st stage)</p> <p>04/09/2019 (2nd stage)</p>
	<p>ERA-NET Cofund action(s) for climate action, environment, resource efficiency and raw materials</p> <p>SC5-21-2019-2020</p>	<p>Actions should focus on one of the following issues: emerging pollutants; international cooperation on disaster risk reduction and multi-hazard risk management, with emphasis on environmental change; health, environment and climate change; conservation and protection of cultural heritage; biodiversity and climate change; conservation and restoration of degraded ecosystems and their biodiversity, including a focus on aquatic systems; enhancing urban transformation capacities/circular cities; sustainable supply of raw materials; next generation of climate science in Europe. Synergies should be ensured with relevant public-public partnerships such as the JPI Water, JPI</p>	<p>Abre: 14/11/2018</p> <p>Encerra: 19/02/2019</p>



	<p><u>Type of Action: ERA-NET-Cofund ERA-NET Cofund</u></p>	<p>Climate, JPI Cultural Heritage and/or the BiodivERSA ERA-NET, as well as with international programmes such as the Belmont Forum, as appropriate.</p> <ul style="list-style-type: none"> ○ <u>Call conditions:</u> Participation of legal entities from international partner countries and/or regions is encouraged in the joint call as well as in other joint activities including additional joint calls without EU co-funding. 	
<p>Transportes</p>	<p>Integrated multimodal, low-emission freight transport systems and logistics</p> <p>MG-2-9-2019</p> <p><u>Type of Action:</u> Research and Innovation action</p>	<p>New logistics concepts (such as the Physical Internet) and new disruptive technologies, such as Blockchain, Industry 4.0, vehicle automation and truck platooning or new business models, like 'crowdshipping' and the circular economy models will have an impact on global freight transport, its optimisation and its environmental footprint that needs to be better understood and assessed. <u>Action should focus on better understanding of the impact of emerging technologies on freight flow and subsequent guidelines to optimize vehicle, infrastructure and operation accordingly. Facilitate the development of disadvantaged regions and their inclusion into the international trading system. Better understanding of links between technological development, trade and geopolitics. Research should be validated in a selected number of case studies through pilot demonstration, trials and testing involving service providers and end-users.</u></p> <ul style="list-style-type: none"> ○ <u>Call conditions:</u> <i>International cooperation is encouraged. In particular proposals should consider cooperation with projects or partners from the US, Japan, Canada, China, Latin America.</i> 	<p>Abre: 05/09/2018</p> <p>16/01/2019 (1st stage)</p> <p>12/09/2019 (2nd stage)</p>
	<p>Safety in an evolving road mobility environment</p> <p>MG-2-7-2019</p>	<p>New vehicle types and new types of road user will operate with conventional vehicles and road users as part of an evolving mixed traffic environment. (Active and passive) safety systems will need to adapt to the future types of the potential collisions, occupant positioning taking into account possible differences between men and women and vulnerable road users of the future, and address the need to</p>	<p>Abre: 05/09/2018</p> <p>16/01/2019 (1st stage)</p>



	<p><u>Type of Action:</u> Research and Innovation action</p>	<p>reduce minor and major injuries, as well as fatalities. <u>The scope is to assure the development of robust solutions in the context of the changing environment, leading to dramatic improvements in transport users' and road workers' safety. In order to be properly addressed, traffic safety needs to be articulated in terms that are relevant for the connected and automated transport system.</u></p>	<p>12/09/2019 (2nd stage)</p>
	<p>Ship emission control scenarios, marine environmental impact and mitigation</p> <p><u>MG-BG-02-2019</u></p> <p><u>Type of Action:</u> Research and Innovation action (RIA)</p>	<p>Increasingly strict emission standards apply to shipping around the coastlines of many developed countries. Presently these are mainly focussed on SOx, but in future, reflecting health concerns, increasingly strict limits are likely to address NOx and particulate matter. <u>The principal challenge is to better understand the comprehensive environmental impacts from the wide scale adoption of a range of potential emission reduction solutions together with any secondary effects on the on the marine environment. As well as building upon current state of the art modelling (e.g by IIASA and EMSA), appropriate Earth Observation data and information provided by the Copernicus programme and its Marine Environmental Monitoring Service maybe taken into consideration.</u></p>	<p>Abre: 04/12/2018</p> <p>Encerra: 24/04/2019</p>
<p>Espaço</p>	<p>International Cooperation Copernicus – Designing EO downstream applications with international partners</p> <p><u>DT-SPACE-06-EO-2019</u></p> <p><u>Type of Action:</u> Research and Innovation action</p>	<p><u>Proposals shall address a wide variety of applications stemming from the use of Earth observation and their smart integration with other related technologies.</u> Copernicus should be considered as part of the solution which may include other space or non-space inputs. International collaboration has a key role to play in this context, as it enhances access to markets beyond the national borders, notably by enabling space application providers to absorb market-related tacit knowledge and know-how of their partners. Corresponding validations and customisations are to be undertaken, and the business case for the application is to be demonstrated. Application products are expected to adopt open standards for data documentation, data models and services including data processing, visualisation and cataloguing on a large scale.</p>	<p>Abre: 16/10/2018</p> <p>Encerra: 12/03/2019</p>



		<p><u>Call conditions:</u> Participation of partners from countries that have signed a Copernicus Cooperation Arrangement is required;</p>	
	<p>Space Weather</p> <p><u>SU-SPACE-22-SEC-2019</u></p> <p><u>Type of Action:</u> Research and Innovation action (RIA)</p>	<p><u>Proposals shall address the development of modelling capabilities and/or the delivery of prototype services able to interpret a broad range of observations of the Sun’s corona and magnetic field, of the Sun-Earth interplanetary space and of the Earth magnetosphere/ionosphere coupling relying on existing observation capacities.</u> The goal is to pave the way for forecasting horizons for space weather events in the order of tens of hours or days and to identify potential indicators (or proxies) of extreme events potentially through the joint analysis of interdisciplinary data. Proposals shall address application domains which may include space as well as terrestrial infrastructure.</p>	<p>Abre: 16/10/2018</p> <p>Encerra: 12/03/2019</p>
<p>Ciência com e para sociedade</p>	<p>The gender perspective of science, technology and innovation (STI) in dialogue with third countries</p> <p><u>SwafS-12-2019</u></p> <p><u>Type of Action:</u> Research and Innovation action (RIA)</p>	<p><u>The project will investigate how gender equality matters are taken into consideration at different levels of international cooperation in the area of science, technology and innovation between the EU and a selected set of third countries, along three objectives, i.e. equality in scientific careers, gender balance in decision making, and the integration of the gender dimension in R&I content.</u> The project will build on the work done by the ERA-related groups in charge of gender equality and international cooperation as well as EU funded projects. It will provide a mapping and a subsequent analysis of how gender equality is taken into account.</p>	<p>Abre: 11/12/2018</p> <p>Encerra: 02/04/2019</p>
	<p>Exploring and supporting citizen science (topic A)</p> <p><u>SwafS-15-2019</u></p> <p><u>Type of Action:</u> Research and Innovation action (RIA)</p>	<p>For the present topic citizen science should be understood broadly, covering a range of different levels of participation, from raising public knowledge of science, encouraging citizens to participate in the scientific process by observing, gathering and processing data, right up to setting scientific agenda and co-designing and implementing science-related policies. <u>Activities can explore how citizen science develops scientific skills and competences, act as a tool for informal and formal science education of young people and adults, counter perceived anti-intellectual attitudes in society, raise the scientific literacy of European citizens, and promote</u></p>	<p>Abre: 11/12/2018</p> <p>Encerra: 02/04/2019</p>



		<p><u>social inclusion and employability</u>. Gender, geographical and socio-economic factors should be taken into account so as to ensure activities are open to people from all backgrounds.</p>	
	<p>Ethics of Innovation: the challenge of new interaction modes</p> <p><u>SwafS-16-2019</u></p>	<p>In order to maximise the social benefits derived from innovation, the action will assess the ethical, regulatory and governance issues potentially arising in this context. The action should identify what the distinctive elements of innovation ethics would be in this dynamic context. <u>The role of citizen participation in innovation (including social innovation) must be analysed in order to maximise the effectiveness of this participation for all stakeholders, taking into account possible gender differences. The action must propose an ethics framework, based on accepted principles, which aim to ensure that innovation remains a process which responds to citizens' needs and values, improves access and avoids a technological divide.</u></p>	<p>Abre: 11/12/2018</p> <p>Encerra: 02/04/2019</p>

CHAMADAS ONDE O BRASIL É ELEGÍVEL PARA RECEBER RECURSOS DO H2020			
Tópico	Chamada	Objetivo	Prazos
Infraestruturas de Pesquisa	<p>Integrating Activities for Advanced Communities</p> <p><u>INFRAIA-01-2018-2019</u></p> <p>Type of Action: Research and Innovation Action (RIA)</p>	<p>The call supports the trans-national and virtual access provided to European researchers (and to researchers from Third Countries, following the eligibility rules of H2020), the cooperation between research infrastructures, scientific communities, industry and other stakeholders, the improvement of the services the infrastructures provide, the harmonisation, optimisation and improvement of access procedures and interfaces.</p>	<p>Abre: 14/11/2018</p> <p>Encerra: 20/03/2019</p>



	<p><u>Type of Action:</u> Coordination and Support Action (CSA)</p>	<ul style="list-style-type: none"> ○ <i>Legal entities established in Brazil which provide, under the grant, access to their research infrastructures to researchers from Members States and Associated countries, are eligible for funding from the Union.</i> 	
	<p>Policy and international cooperation measures for research infrastructures</p> <p><u>INFRASUPP-01-2018-2019</u></p> <p><u>Type of Action:</u> Research and Innovation Action (RIA)</p> <p><u>Type of Action:</u> Coordination and Support Action (CSA)</p>	<p>(d) Coordination and support actions for the 2019 deadline: Actions under this sub-topic, in line with the EU-CELAC SOM[2]strategic approach[3], will concretely build on the outputs of the newly established EU-CELAC Research Infrastructure Working Group, and will: support the identification of priorities for regional and bi-regional cooperation based on the respective strategic road-mapping exercises; foster the exchange of best practices between the EU and CELAC on issues of common strategic relevance such as regional road-mapping processes, research infrastructure management, RI staff development. Also, support the identification of a limited number of Research Infrastructures of bi-regional interest on which the project will have to conduct pilot cooperation demonstrators.</p> <p><i>Under this sub-topic, legal entities established in Brazil and Mexico are eligible for funding from the Union</i></p>	<p>Abre: 14/11/2018</p> <p>Encerra: 20/03/2019</p>
<p>Pesquisa Marinha</p>	<p>All Atlantic Ocean Research Alliance Flagship</p> <p><u>BG-08-2018-2019</u></p> <p><u>Type of Action:</u> Research and Innovation Action (RIA)</p>	<p>The actions shall aim at understanding and sustainably managing the Atlantic Ocean as a whole, through a large-scale basin effort involving both the northern and the southern parts of this ocean and its interlinks with the adjacent areas. In order to achieve this, it is necessary to bring together and systematically connect scientists, stakeholders, data, knowledge, expertise, capacities, and resources.</p> <p>[B] 2018-2019- Assessing the status of Atlantic marine ecosystems:</p> <p>Activities shall enhance the knowledge on the status and dynamics of Atlantic marine ecosystems, quantifying main drivers of short and long-term change, examine the interactions between different stressors, including climate change,</p>	<p>Abre: 16/10/2018</p> <p>Encerra:</p> <p>23/01/2019 (1st stage)</p> <p>04/09/ 2019 (2nd stage)</p>



		<p>and the role of cumulative impacts on ecosystem functioning and associated ecosystem services.</p> <p>C] 2018-2019- New value chains for aquaculture[production:</p> <p>Activities shall explore new species, products and/or processes for aquaculture production (including algae). They shall consider existing, emerging and potential markets, take into consideration sound cost-effective production methods, sustainability and profitability. Consideration shall be given to the design of Internet of Things (IoT) approaches in the development of innovative production technologies, including new/improved biosensors, the circularity of the processes with the objective of zero waste and consider consumers' concerns and demands.</p> <ul style="list-style-type: none"> ○ <i>Under this topic, legal entities established in Brazil are eligible for funding from the Union.</i> 	
<p style="text-align: center;">Saúde</p>	<p>EIC Horizon Prize for 'Early Warning for Epidemics'</p> <p>Epidemics-EICPrize-2020</p> <p><u>Type of Action:</u> IPr Inducement Prize</p>	<p>The challenge is to develop a scalable, reliable and cost-effective early warning system prototype to forecast and monitor vector-borne diseases in order to contribute to the prevention of outbreaks mitigating their impact on local, regional and global scales and providing support to existing elimination efforts.</p> <p>Each EIC Horizon Prize has an ambitious goal to solve a major challenge facing society, without detailing how this should be achieved or who should achieve it.</p> <p>These prizes are open to anyone willing to think outside the box across sectors and disciplines. The prize is awarded to whoever best meets the challenge.</p> <ul style="list-style-type: none"> ○ <i>The contest is open to all legal entities (i.e. natural or legal persons, including international organisations) or groups of legal entities.</i> 	<p>Abre: 26/04/2018</p> <p>Prazo para manifestação de interesse: 31/05/2020</p> <p>Encerra: 01/09/2020</p>



CHAMADAS MARIE-SKLODOWSKA CURIE ACTIONS - MSCA H2020 - 2018

CHAMADA ONDE PESQUISADORES INDIVIDUAIS SÃO ELEGÍVEIS A RECEBER FINANCIAMENTO DO H2020

CHAMADA	OBJETIVO	PRAZOS
Bolsas Individuais MSCA-IF-2018 Individual Fellowships	IF concede bolsas individuais de Pesquisa & Inovação , para pesquisadores experientes (PdD ou considerado equivalente, pelas regras do programa), em todas as áreas do conhecimento . Bolsas Europeias: para pesquisadores Brasileiros indo para países da UE ou Estados Associados. Bolsas Globais: para pesquisadores de Países Membros da União Europeia ou Associados indo para países terceiros, incluindo o Brasil. As propostas devem ser apresentadas por um pesquisador individual (de qualquer nacionalidade), junto com uma instituição anfitriã, podendo ser um a instituição acadêmica ou não acadêmica.	Edital 2018 Abre: 12/04/2018 Encerra: 12/09/2018

CHAMADAS MSCA ONDE INSTITUIÇÕES BRASILEIRAS PODEM PARTICIPAR COM CO-FINANCIAMENTO

CHAMADA	OBJETIVO	PRAZOS
Redes Inovadoras de Formação MSCA-ITN-2018	Fomento para mobilidade no âmbito de projetos de pesquisa e inovação, em programas conjuntos de treinamento ou doutoramento. Projetos colaborativos em todas as áreas do conhecimento , envolvendo instituições acadêmicas e não acadêmicas e voltado para pesquisadores menos experientes (não PhDs).	Edital 2018 Abre: 12/10/2017 Encerra: 17/01/2018



Innovative Training Networks - ITN		
Co-financiamento de programas <u>MSCA- COFUND-2018</u> Co-Funding of Programmes - COFUND	Co-financiamento de programas conjuntos , regionais, nacionais ou internacionais nas modalidades: Programas de Doutorado ou de Bolsas , em todas as áreas com conhecimento	Edital 2018 Abre: 12/04/2018 Encerra: 27/09/2018

Em referência as chamadas listadas acima, com exceção das chamadas MSCA e o Inducement Prize, a tipologia de projetos apoiados são:

Instrumento de Financiamento (ou Tipo de Ação)	Descrição
Ações de Inovação e Pesquisa - RIA (Research & Innovation Actions)	Ação que consiste principalmente de actividades destinadas a estabelecer novos conhecimentos e / ou para explorar a viabilidade de uma nova ou melhorada tecnologia, produto, processo, serviço ou solução. Nessa finalidade, podem incluir a pesquisa de base e aplicada, desenvolvimento de tecnologia e integração, teste e validação de um protótipo em pequena escala feito em laboratórios ou simulações no ambiente. Projetos podem prever limitadas ações de demonstração ou atividades piloto, com o objetivo de mostrar a viabilidade técnica em um ambiente próximo ao operacional.



Ações de Inovação – IA (Innovation Actions)	Ação que consiste principalmente em atividades diretamente destinadas a elaboração de planos e arranjos ou a concepção de produtos, processos ou serviços novos, modificados ou melhorados. Para essa finalidade, podem incluir protótipos, testes, demonstrações, pilotos, validação de produtos em grande escala e replicação no mercado.
Ações de coordenação e apoio- CSA (Coordination and Support Actions)	Ações que consistem principalmente de medidas de acompanhamento, como a padronização, divulgação, sensibilização e comunicação, trabalho em redes, serviços de coordenação ou de apoio, diálogos políticos e exercícios de aprendizagem mútua e estudos, incluindo estudos de concepção de novas infra-estruturas e podem também incluir atividades complementares de planejamento estratégico, trabalho em rede e coordenação entre diversos programas em diferentes países.
ERA-NET Cofund	O instrumento ERA-NET Cofund no âmbito do Horizonte 2020 destina-se a apoiar parcerias público-públicas na sua preparação, estabelecimento de estruturas de ligação em rede, concepção, implementação e coordenação de atividades conjuntas, bem como reforço de convites conjuntos únicos e de ações de natureza transnacional. O foco da ERA-NET está, portanto, a mudar do financiamento de redes para o financiamento complementar (co-financiando) chamadas conjuntas para a pesquisa e inovação transnacionais em áreas selecionadas.