



Highlights on Open Calls

May 2019, Issue 8

For easy identification, new calls compared to the previous issue are marked with the symbol  on the left.



Horizon 2020

ERC PROOF OF CONCEPT GRANT

Topic: ERC-Proof of Concept
Call identifier: ERC-2019-PoC

Frontier research often generates unexpected or new opportunities for commercial or societal application. The ERC Proof of Concept Grants aim to maximise the value of the excellent research that the ERC funds, by funding further work (i.e. activities which were not scheduled to be funded by the original ERC frontier research grant) to verify the innovation potential of ideas arising from ERC funded projects. Proof of Concept Grants are therefore on offer only to Principal Investigators whose proposals draw substantially on their ERC funded research. All Principal Investigators in an ERC frontier research project, that is either ongoing or has ended less than 12 months before 1 January 2019, are eligible to participate and apply for an ERC Proof of Concept Grant. Applicants will need to demonstrate the relation between the idea to be taken to proof of concept and the ERC frontier research project (Starting, Consolidator, Advanced or Synergy) in question.

Read more on:

<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/erc-2019-poc.html>

Horizon 2020 - Excellent Science

Types of action:
ERC-POC Proof of Concept Grant
Opening date: 16 October 2018
Deadline:

- 19 September 2019



ERC ADVANCED GRANTS

Topic: Applications may be made in any field of research
Call identifier: ERC-2019-AdG

Advanced Grants are designed to support excellent Principal Investigators at the career stage at which they are already established research leaders with a recognised track record of research achievements. Applicant Principal Investigators must demonstrate the ground-breaking nature, ambition and feasibility of their scientific proposal. A competitive Advanced Grant Principal Investigator must have already shown a record which identifies them as an exceptional leader in terms of originality and significance of their research contributions. Thus, in most fields, Principal Investigators of Advanced Grant proposals will be expected to demonstrate a record of achievements appropriate to the field and at least matching one or more of the following benchmarks: 10 publications as main author (or in those fields where alphabetic order of authorship is the norm, joint author) in major international peer-reviewed multidisciplinary scientific journals, and/or in the leading international peer-reviewed journals and peer-reviewed conferences proceedings of their respective field; 3 major research monographs. This benchmark is relevant to research fields where publication of monographs is the norm. Other alternative benchmarks that may be considered (individually or in combination) as indicative of an exceptional record and recognition in the last 10 years: 5 granted patents; 10 invited presentations in well established internationally organised conferences and advanced schools; 3 research expeditions led by the applicant Principal Investigator; 3 well-established international conferences or congresses where the applicant was involved in their organisation as a member of the steering and/or organising committee; International recognition through scientific or artistic prizes/awards or membership in well-regarded Academies or artefact with documented use (for example, architectural or engineering design, methods or tools); Major contributions to launching the careers of outstanding researchers; Recognised leadership in industrial innovation.

Read more on: <https://erc.europa.eu/funding/advanced-grants>

Horizon 2020 - Excellent Science

Types of action: ERC-ADG
Advanced Grant
Opening date: 21 May 2019
Deadline: 29 August 2019



FET-OPEN – NOVEL IDEAS FOR RADICALLY NEW TECHNOLOGIES**Topic:** FET Open: Challenging Current Thinking**Call identifier:** FETOPEN-01-2018-2019-2020

Proposals are sought for cutting-edge high-risk / high-impact interdisciplinary research with all of the following essential characteristics: Radical vision (enabled by a new technology concept that challenges current paradigms); Breakthrough technological target (a novel and ambitious science-to-technology breakthrough as a first proof of concept); Ambitious interdisciplinary research (for achieving the technological breakthrough and that opens up new areas of investigation).

Read more on:

<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/fetopen-01-2018-2019-2020.html>

*Horizon 2020 - Excellent Science***Types of action:**

RIA Research and Innovation action

Opening date: 07 November 2017**Deadline:**

- 18 September 2019 17:00:00
- 13 May 2020 17:00:00



FET-OPEN – NOVEL IDEAS FOR RADICALLY NEW TECHNOLOGIES**Topic:** FET Innovation Launchpad**Call identifier:** FETOPEN-03-2018-2019-2020

Short individual or collaborative actions focused on the non-scientific aspects and the early stages of turning a result of an ongoing or recently finished project funded through FET under FP7 or Horizon 2020 into a genuine innovation with socio-economic impacts.

Read more on:

<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/fetopen-03-2018-2019-2020.html>

*Horizon 2020 - Excellent Science***Types of action:**

CSA Coordination and support action

Opening date: 07 November 2017**Deadline:**

- 08 October 2019 17:00:00
- 14 October 2020 17:00:00



EIC PATHFINDER PILOT (FET-PROACTIVE) BOOSTING EMERGING TECHNOLOGIES**Topic:** FET Proactive: emerging paradigms and communities**Call identifier:** FETPROACT-EIC-05-2019

Proposals are sought for cutting-edge high-risk / high-reward research and innovation projects that aim to demonstrate a new technological paradigm within the scope of one of the following sub-topics: a. Human-Centric Artificial intelligence (AI); b. Implantable autonomous devices and materials; c. Breakthrough zero-emissions energy generation for full decarbonization.

Read more on:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/fetproact-eic-05-2019;freeTextSearchKeyword=&typeCodes=1;statusCodes=31094501,31094502;programCode=H2020;programDivisionCode=31047826;focusAreaCode=null;crossCuttingPriorityCode=null;callCode=Default;sortQuery=openingDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageState>

*Horizon 2020 - Excellent Science***Types of action:**

RIA Research and Innovation action

Opening date: 19 March 2019**Deadline:** 03 September 2019 17:00:00

EIC PATHFINDER PILOT (FET-PROACTIVE) BOOSTING EMERGING TECHNOLOGIES**Topic:** EIC Transition to Innovation Activities**Call identifier:** FETPROACT-EIC-06-2019

The EIC Transition Activities pilot aims at bringing promising technologies as they are at the end of a typical FET-Open or FET Proactive project (i.e., TRL 2/3) to a level of development, validation and demonstration where they become a credible basis for entrepreneurship, business creation, investment and, ultimately, economic and/or societal returns. The project shall be driven by a partner with the vision, ambition and commitment to bring the technology to actual use (possibly through the creation of a start-up or spin-off). Proposals must build on results from an ongoing or finished project (Research and Innovation Action), funded as a result of a FET-Open or FET Proactive call under Horizon 2020. The targeted technology should be in one of the following areas: Micro- and Nano-technologies; Artificial Intelligence and advanced robotics; Technologies for the life sciences, health and treatment; Energy technologies; Interaction technologies (including virtual- augmented- and mixed reality). The precise link(s) with the relevant FET project(s) is to be explicitly described in the proposal. This topic does not fund research or activities that are/were already foreseen in the original FET project(s). Participants must have essential capabilities to increase the maturity of the targeted technology. Activities proposed should reflect the level of maturity of the result to be taken up. Proposals can include activities with, for instance, partners for technology transfer, licence-takers, investors and other sources of financing, user/client organisations or potential end-users.

Read more on:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/fetproact-eic-06-2019;freeTextSearchKeyword=&typeCodes=1;statusCodes=31094501,31094502;programCode=H2020;programDivisionCode=31047826;focusAreaCode=null;crossCuttingPriorityCode=null;callCode=Default;sortQuery=openingDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageState>

*Horizon 2020 - Excellent Science***Types of action:**

RIA Research and Innovation action

Opening date: 19 March 2019**Deadline:** 03 September 2019 17:00:00

[=H2020:programDivisionCode=31047826:focusAreaCode=null:crossCuttingPriorityCode=null:callCode=Default:sortQuery=openingDate:orderBy=asc:onlyTenders=false:topicListKey=topicSearchTablePageState](#)

MARIE SKŁODOWSKA-CURIE INDIVIDUAL FELLOWSHIPS

Topic: Individual Fellowships
Call identifier: MSCA-IF-2019

The goal of the Individual Fellowships is to enhance the creative and innovative potential of experienced researchers, wishing to diversify their individual competence in terms of skill acquisition through advanced training, international and intersectoral mobility. Individual Fellowships provide opportunities to researchers of any nationality to acquire and transfer new knowledge and to work on research and innovation in Europe (EU Member States and Horizon 2020 Associated Countries) and beyond. The scheme particularly supports the return and (re)integration of European researchers from outside Europe and those who have previously worked here, as well as researchers displaced by conflict outside the EU and Horizon 2020 Associated Countries. It also promotes the career restart of individual researchers who show great potential

Read more on:

http://ec.europa.eu/research/mariecurieactions/actions/individual-fellowships_en

Horizon 2020 - Excellent Science

Types of action: MSCA-IF-GF Global Fellowships; MSCA-IF-EF-ST Standard European Fellowships; MSCA-IF-EF-SE Society and Enterprise panel; MSCA-IF-EF-RI Reintegration panel; MSCA-IF-EF-CAR Career Restart panel

Opening date: 11 April 2019

Deadline: 11 September 2019 17:00:00



MARIE SKŁODOWSKA-CURIE CO-FUNDING OF REGIONAL, NATIONAL AND INTERNATIONAL PROGRAMMES

Topic: Co-funding of regional, national and international programmes
Call identifier: MSCA-COFUND-2019

The COFUND scheme aims to stimulate regional, national or international programmes to foster excellence in researchers' training, mobility and career development, spreading the best practices of the Marie Skłodowska-Curie actions. This will be achieved by co-funding new or existing regional, national, and international programmes to open up to, and provide for, international, intersectoral and interdisciplinary research training, as well as transnational and cross-sectoral mobility of researchers at all stages of their career.

Read more on:

<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-cofund-2019.html>

Horizon 2020 - Excellent Science

Types of action: MSCA-COFUND-FP Fellowship programmes; MSCA-COFUND-DP Doctoral programmes

Opening date: 04 April 2019

Deadline: 26 September 2019 17:00:00



FAST TRACK TO INNOVATION (FTI)

Topic: Fast Track to Innovation (FTI)
Call identifier: EIC-FTI-2018-2020

FTI supports actions undertaking innovation from the demonstration stage through to market uptake, including activities such as piloting, test-beds, systems validation in real-world working conditions, validation of business models, pre-normative research, and standard-setting. If your proposal involves technological innovation, your consortium should declare that the technology or the technologies concerned are at least at Technology Readiness Level (TRL) 6. The intention will be to bring the TRL up to 8 for technological innovations and to an analogous level of maturity for non-technological innovations during the lifetime of the FTI action.

Read more on:

<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/eic-fti-2018-2020.html>

Horizon 2020 - Industrial Leadership

Types of action: IA Innovation action

Opening date: 07 November 2017

Deadline:

- 23 May 2019 17:00:00
- 22 October 2019 17:00:00
- 19 February 2020 17:00:00
- 09 June 2020 17:00:00
- 27 October 2020 17:00:00



FOUNDATIONS FOR TOMORROW'S INDUSTRY

Topic: Sustainable Nano-Fabrication (Focus area: Digitising and transforming European industry and services)
Call identifier: DT-NMBP-12-2019

Nanotechnology research has led to a remarkable development of nanoscale materials in bulk form with unique properties. Several of these materials are in the market or are expected to enter the market in the near future. The challenge is to establish industrial scale manufacturing of functional systems based on manufactured nanoparticles with designed properties for use in semiconductors, energy harvesting and storage, waste heat recovery, medicine, etc. This action will therefore establish synergy between EU stakeholders (research laboratories, industry, SMEs, etc.) active in this domain and to identify and resolve common challenges.

Read more on:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/dt-nmbp-12-2019.html>

Horizon 2020 - Industrial Leadership

Types of action: CSA Coordination and support action

Opening date: 16 October 2018

Deadline: 03 September 2019 17:00:00



Topics:

- Strategic orientation 1:
BBI2019.SO1.D1 – Scale up conversion of lignin into valuable compounds for application in specific market sectors; BBI2019.SO1.D2 – Produce components for various materials, including for food and feed, from microalgae; BBI2019.SO1.R1 – Use tree species and/or varieties to create new bio-based value chains; BBI2019.SO1.F1 – Valorise the organic fraction of municipal solid waste through an integrated biorefinery at commercial level.
 - Strategic orientation 2:
BBI2019.SO2.R2 – Develop breakthrough technologies to improve the cost-effectiveness and sustainability of pre-treatment steps within biorefining operations; BBI2019.SO2.R3 – Apply microorganisms and/or enzymes to resolve end-of-life issues of plastics; BBI2019.SO2.R4 – Develop surface or bulk treatments for improved wood-based materials; BBI2019.SO2.R5 – Convert plant oils and fats into safe high-added-value products for various applications including food and personal care; BBI2019.SO2.F2 – Apply technological combinations to valorise all components of biomass feedstock; BBI2019.SO2.R6 – Improve biorefinery operations through process intensification and new end products; BBI2019.SO2.R7 – Model the composition of bio-based residual streams and its evolution to optimise its management and processing.
 - Strategic orientation 3:
BBI2019.SO3.R8 – Develop sustainable bio-based materials for high-volume consumer products; BBI2019.SO3.R9 – Develop bio-based fibres and/or functional molecules to improve the performance of textile products; BBI2019.SO3.R10 – Develop bio-based high-performance materials for various and demanding applications; BBI2019.SO3.D3 – Produce bio-based functional ingredients and additives for high-end markets; BBI2019.SO3.D4 – Demonstrate bio-based pesticides and/or biostimulant agents for sustainable increase in agricultural productivity; BBI2019.SO3.F3 – Produce high-performance bio-based alternatives to harmful products or processes to protect and enhance human health and the environment.
 - Strategic orientation 4:
BBI2019.SO4.S1 – Assist brand owners to ‘switch to bio-based’; BBI2019.SO4.S2 – Establish methods and communication for applying mass balance principles to attribute biomass co-feedstock to products; BBI2019.SO4.S3 – Shaping the bio-based economy through a participatory approach; BBI2019.SO4.S4 – Empower SME clusters to bring SMEs ‘across the valley of death’.
- Call identifier:** BBI JU 2019

The call aims to:

- Strategic orientation 1: foster supply of sustainable biomass feedstock to feed both existing and new value chains (Improve the utilisation of existing feedstock sources; Expand the exploitation of under-utilised or new feedstock for the bio-based industries).
- Strategic orientation 2: optimise efficient processing for integrated biorefineries through research, development and innovation R&D&I (Pre-treatment; Conversion of pre-treated feedstocks to bio-based chemicals and materials; Downstream processing; System modelling).
- Strategic orientation 3: develop innovative bio-based products for identified market applications (Bio-based products that outperform fossil-based counterparts).
- Strategic orientation 4: create and accelerate the market uptake of bio-based products and applications.

These pillars form the four strategic orientations of the bio-based industry in Europe. Each strategic orientation, or SO, has sub-orientations.

Read more on:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-search/freeTextSearchKeyword=:typeCodes=1:statusCodes=31094501,31094502,31094503:programCode=H2020:programDivisionCode=null:focusAreaCode=null:crossCuttingPriorityCode=null:callCode=H2020-BBI-JU-2019:sortQuery=openingDate:orderBy=asc:onlyTenders=false:topicListKey=callTopicSearchTableState>

EVENT:

14 May 2019 - National Info Day in Rome, Italy

<https://www.bbi-europe.eu/events/national-info-day-rome-italy>

EIC HORIZON PRIZE FOR 'AFFORDABLE HIGH-TECH FOR HUMANITARIAN AID'

Topic: EIC Horizon Prize for 'Affordable High-Tech for Humanitarian Aid'

Call identifier: HumanitarianAid-EICPrize-2020

The expected Impact is more cost-effective, more sustainable and higher-quality innovative solutions, leading to an optimised use of humanitarian funding and an enhanced response to urgent needs in a humanitarian aid settings, notably for those in a most vulnerable situation, in areas such as shelter, water and sanitation, energy, heating or cooling, food, hygiene and medical care. Five prizes of EUR 1 million will be awarded, one in each of the categories.

Read more on:

<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/humanitarianaid-eicprize-2020.html>

Horizon 2020 - Industrial Leadership

Types of action: Research and Innovation action; Innovation action - Demonstration; Innovation action - Flagship; Coordination and Support action

Opening date: 04 April 2019

Deadline: 04 September 2019 17:00:00



Horizon 2020 - Industrial Leadership

Types of action: IPr Inducement Prize

Opening date: 30 November 2017

Deadline: 15 January 2020 17:00:00



EIC HORIZON PRIZE FOR 'FUEL FROM THE SUN: ARTIFICIAL PHOTOSYNTHESIS'

Topic: EIC Horizon Prize for 'Fuel from the Sun: Artificial Photosynthesis'
Call identifier: Sunfuel-EICPrize-2021

The challenge is to build a fully functional, bench-scale prototype of an artificial photosynthesis based system which is able to produce a useable synthetic fuel. Due to its ability to use a combination of sunlight, water and carbon from the air to produce energy, artificial photosynthesis is regarded as a potential breakthrough energy technology. For the purpose of this prize, artificial photosynthesis (AP) is understood to be a process that aims at mimicking the physical chemistry of natural photosynthesis by absorbing solar energy in the form of photons. The solution is required to use this energy to generate fuel molecules through a synthetic system to be delivered as a single integrated device that utilises either biomimetic, nanotechnology, synthetic biology or a combination of these systems.

Read more on:

<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/unfuel-eicprize-2021.html>

Horizon 2020 - Societal Challenges

Types of action: IPr Inducement Prize

Opening date: 12 December 2017

Deadline: 03 February 2021 17:00:00



HORIZON PRIZE - CLEANEST ENGINE OF THE FUTURE

Topic: FutureEnginePrize-01-2016
Call identifier: H2020-FutureEnginePrize-2016

Cleanest engine of the future prize aims at reducing the pollution produced by future new vehicles using either gasoline or diesel fuels and their low biofuel blends available on the market. Submissions shall aim at very significant noxious emissions improvements while at the same time reducing fuel consumption and CO2 emissions and providing sufficient dynamic performance for normal vehicle driving.

Read more on:

<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/h2020-futureengineprize-2016.html>

Horizon 2020 - Societal Challenges

Types of action: IPr Inducement Prize

Opening date: 20 April 2016

Deadline: 20 August 2019 17:00:00



BUILDING A LOW-CARBON, CLIMATE RESILIENT FUTURE: SECURE, CLEAN AND EFFICIENT ENERGY

Topics: LC-SC3-NZE-4-2019: Integrated solutions for flexible operation of fossil fuel power plants through power-to-X-to-power and/or energy storage; LC-SC3-NZE-5-2019-2020: Low carbon industrial production using CCUS
Call identifier: H2020-LC-SC3-2018-2019-2020

Carbon capture and storage is one of the key promising technologies that can reduce CO2 emissions in the power generation sector and the only pathway for very stringent GHG emission reductions from energy and/or carbon intensive industries that generate CO2 as part of their production processes. New solutions for the conversion of captured CO2 (CCU) to useful products such as fuels or chemicals will create new markets for innovative industrial sectors and can play a role in supporting the deployment of CCS by offsetting the high costs of capture and storage.

Read more on:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-search?freeTextSearchKeyword=:typeCodes=1:statusCodes=31094501:programCode=H2020:programDivisionCode=null:focusAreaCode=null:crossCuttingPriorityCode=null:callCode=H2020-LC-SC3-2018-2019-2020:sortQuery=openingDate:orderBy=asc:onlyTenders=false:topicListKey=topicSearchTablePageState>

Horizon 2020 - Societal Challenges

Types of action: IA Innovation action

Opening date: 07 May 2019

Deadline: 27 August 2019 17:00:00



BUILDING A LOW-CARBON, CLIMATE RESILIENT FUTURE: SECURE, CLEAN AND EFFICIENT ENERGY

Topics: LC-SC3-RES-7-2019: Solar Energy in Industrial Processes; LC-SC3-RES-16-2019: Development of solutions based on renewable sources that provide flexibility to the energy system; LC-SC3-RES-23-2019: Development of next generation biofuel and alternative renewable fuel technologies for aviation and shipping; LC-SC3-RES-29-2019: Converting Sunlight to storable chemical energy
Call identifier: H2020-LC-SC3-2018-2019-2020

Actions in this area aim to produce solutions to support the worldwide large-scale deployment of renewable energy, its broader penetration in the energy and transport mix to significantly contribute to the decarbonisation of the global economy of the future. Actions will make renewable energy solutions in the broader sense (i.e. including the use of the renewable source and all the features needed for performing in a complex and integrated energy system) cost competitive with their fossil equivalents, allowing them to participate in the energy and transport markets on a level playing field. They will support the transition to a decentralized energy system where the citizens are empowered to take an active role and become prosumers. In addition to the Energy Union strategy, actions will contribute to the broader EU policies and objectives of growth and jobs, promoting production of more affordable energy in Europe and sustaining European players to succeed in the global energy and transport markets, giving special consideration to

Horizon 2020 - Societal Challenges

Types of action: RIA Research and Innovation action

Opening date: 07 May 2019

Deadline: 27 August 2019 17:00:00



cooperation with strategic partner countries/regions.

Read more on:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-search?freeTextSearchKeyword=:typeCodes=1:statusCodes=31094501:programCode=H2020:programDivisionCode=null:focusAreaCode=null:crossCuttingPriorityCode=null:callCode=H2020-LC-SC3-2018-2019-2020:sortQuery=openingDate:orderBy=asc:onlyTenders=false:topicListKey=topicSearchTablePageState>

GREENING THE ECONOMY IN LINE WITH THE SUSTAINABLE DEVELOPMENT GOALS (SDGS)

Topic: Multi-stakeholder dialogue platform to promote nature-based solutions to societal challenges: follow-up project
Call identifier: SC5-23-2019

Nature-based solutions (NBS) have a high – but largely untapped – potential for delivering multiple ecosystem services (such as carbon sequestration, soil and water retention and purification, pollination, increased human well-being...) to address diverse societal challenges with a systemic and innovative approach. An effective and self-sustainable multi-stakeholder platform that fosters dialogue, interactions, knowledge and information sharing, collaboration and think-and-do-tanks among relevant stakeholders is necessary to support the understanding and promote the use of nature-based solutions and speed up market up-take. Stakeholders include science, policy, administration, business (including SMEs), society (including NGOs, CSOs, and citizens as appropriate), public and private investors. The action should, on the basis of continuous and strategically driven stakeholder dialogue, exchanges of practices and experiences and sharing of expertise related to the various social, economic, financial, environmental, educational, institutional, regulatory and cultural NBS-relevant aspects, across multiple scales (local, regional, national and EU).

Read more on:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/c5-23-2019.html>

Horizon 2020 - Societal Challenges

Types of action: CSA
Coordination and support action

Opening date: 14 November 2018

Deadline: 04 September 2019 17:00:00



HORIZON IMPACT AWARD

Topic: Uptake of R&I results created under the Framework Programme
Call identifier: DEE-Prize-2019

The uptake of R&I results created under the Framework Programme is important for the programme's success and is instrumental in contributing towards transformative impacts on the economy, society and policymaking. To illustrate the wider socio-economic benefits of the EU investment in R&I and to encourage project beneficiaries to best manage and utilise their research results, the Commission awards on an annual basis a recognition prize for rewarding beneficiaries that have successfully demonstrated effective exploitation and uptake of their projects' R&I results. In particular, five winners will be selected by the evaluation jury for their achievements. The prizes are monetary and each of the five winners will receive EUR 10.000. The prizes will be awarded during the Award Ceremony with a selected audience of high-level representatives and promoters of innovation in industry and public sector.

Read more on:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/dee-prize-2019:freeTextSearchKeyword=:typeCodes=1:statusCodes=31094501,31094502:programCode=H2020:programDivisionCode=31048019:focusAreaCode=null:crossCuttingPriorityCode=null:callCode=Default:sortQuery=openingDate:orderBy=asc:onlyTenders=false:topicListKey=topicSearchTablePageState>

Horizon 2020 - Spreading excellence and widening participation

Types of action: RPr
Recognition Prize

Opening date: 19 March 2019

Deadline: 28 May 2019 17:00:00



JPI CLIMATE & JPI OCEANS JOINT TRANSNATIONAL CALL ON NEXT GENERATION CLIMATE SCIENCE IN EUROPE FOR OCEANS

Topics: 1) Strengthening our understanding of climate variability and extremes resulting from the interactions with the oceans such as extratropical and tropical cyclones, and how they are affected by climate change on a range of time scales. 2) Improving the representation of air-sea interactions, physical and biogeochemical ocean processes in Earth System Models to better represent small-scale non-linear processes as well as water, energy and carbon cycles. Model-data analyses using innovative approaches will be welcome. 3) Improving estimates of climate change induced modifications of ocean physics and ocean chemistry, associated with biogeochemical cycles, including ocean acidification and carbon sequestration.

Call identifier: JPI CLIMATE & JPI OCEANS

The Joint Call between JPI Climate and JPI Oceans mobilizes funding organizations for transnational added values on climate sciences with a special focus on oceans and climate interactions. Only a strong collaboration and cohesion between the countries will lead to European leadership in the next IPCC assessments and science contribution required by United Nations Framework Convention on Climate Change (UNFCCC), which will then trigger a new wave of Climate Services innovation for next decade. Therefore, this Joint Call

Horizon 2020 - Joint Call for Proposals

Types of action: Joint transnational projects

Opening date: 18 February 2019

Deadline: 14 June 2019 13:00:00



aims at funding at most two major projects for each theme encompassing as much as possible all countries participating in the call. Focusing on oceans will shed new light on the stressors impacting on ma-rine life and consequently on marine bio-economy. The Joint Call will also help inform adaptation policy by bringing key knowledge to increase resilience and adaptation measures for vulnerable areas, especially in coastal and low island areas.

Read more on:

<http://www.jpi-climate.eu/joint-activities/joint-calls/CPILoud>

2ND OPEN CALL FOR RESEARCH PROJECTS

Topics: Genotype-to-phenotype analysis; Predictive systems pharmacology for safer drugs and chemical products; Structure-function analysis of large protein complexes; Marine metazoan developmental models; Complex multimodal biomarker profiling

Successful applicants will be offered open access to cutting-edge technologies and services available at research infrastructures working in fields such as biobanking, translational medicine, clinical research, curated databases, systems biology, mouse mutant phenotyping, marine model organisms, advanced imaging technologies, high-throughput screening or structural biology. The access modalities vary between CORBEL partner institutes. In general, access can be provided on site or virtually, and experiments are either performed by you, the user, or by staff at the facility (or a combination thereof).

CORBEL funds will not be given to successful applicants directly. Instead, costs for travel to partner sites will be reimbursed (up to €5,000) and access to service providers will be granted without access fee (extra costs for consumables may apply). CORBEL support will cover: Costs of research infrastructure staff providing the services; Costs for instrumentation; Limited financial support to cover your travel and accommodations costs. CORBEL support will not include: Consumable costs; Experimental costs required (if any) before accessing the services (e.g. mouse cohort generation, assay development, etc.); Salary for your staff.

In short: This Open Call is not a source for funding your research at home, but for funding your access to excellent facilities, pioneering technologies and innovative services!

Read more on:

<http://www.corbel-project.eu/open-call.html>

Horizon 2020 - CORBEL
(Coordinated Research Infrastructures Building Enduring Life-science Services)

Types of action: support to advanced research projects

Deadline: 31 May 2020



Environment - European Commission

➔ LIFE PROGRAMME CALL FOR PROPOSALS

Topics: Environment LIFE-TA-01-2019; Nature LIFE-TA-02-2019; Adaptation LIFE-TA-03-2019; Mitigation LIFE-TA-04-2019

Call identifier: LIFE-TA-2019

LIFE Programme - European Programme for the Environment and Climate Action

Types of action: Technical assistance

Opening date: 04 April 2019

Deadline: 12 June 2019 17:00:00

You can submit a Technical Assistance Projects under the following topics:

- TA Environment: Provides financial support for the preparation of a proposal for an Integrated Project in order to implement a River Basin Management Plan (RBMP), a Waste Management Plan (WMP) or an Air Quality Plan.
- TA Nature: Provides financial support for the preparation of a proposal for an Integrated Project in order to implement a Priority Action Framework (PAF).
- TA Climate Change Adaptation: Provides financial support for the preparation of a proposal for an Integrated Project in order to implement specific set of strategic climate plans or strategies:
 - Climate change adaptation IPs: should aim at the implementation of national, regional or local specific adaptation strategy or action plan;
 - Urban climate change adaptation IPs: should aim at the implementation of urban or community-based action plan pioneering the transition to a climate resilient society.
- TA Climate Change Mitigation: Provides financial support for the preparation of a proposal for an Integrated Project in order to implement specific set of strategic climate plans or strategies:
 - Climate change mitigation IPs: national, regional or industry-/sector-specific greenhouse gas mitigation strategy or low carbon economy roadmap.
 - Urban climate change mitigation IPs: should aim at the implementation of urban or community-based action plan pioneering the transition to a low carbon society.

Read more on:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic->



search.freeTextSearchKeyword=:typeCodes=1:statusCodes=31094501,31094502,31094503:programCode=LIFE:programDivisionCode=null:focusAreaCode=null:crossCuttingPriorityCode=null:callCode=LIFE-TA-2019:sortQuery=openingDate:orderBy=asc:onlyTenders=false:topicListKey=callTopicSearchTableState

EVENT:

05 May 2019 - LIFE Writers' Workshop 2019 in Italy, Rome

http://www.lifeinfodays.eu/?event=life-writers-workshop-2019-in-italy&event_date=2019-05-06



European Neighbourhood Instrument (ENI)

ENI CBC MEDITERRANEAN SEA BASIN PROGRAMME 2014-2020

Topics:

- A.1 Business and SMEs development:
 - A.1.1: Support innovative start-up and recently established enterprises
 - A.1.2: Strengthen and support euro-Mediterranean networks, clusters, consortia and valuechains in traditional sectors and non-traditional sectors
- A.2 Support to education, research, technological development and innovation:
 - A.2.1: Support technological transfer and commercialisation of research results
- A.3 Promotion of social inclusion and the fight against poverty:
 - A.3.1: Provide young people, especially those belonging to the NEETS, and women, with marketable skills
- B.4 Environmental protection, climate change adaptation and mitigation:
 - B.4.1: Water management - Support sustainable initiatives targeting innovative and technological solutions to increase water efficiency
 - B.4.2: Waste treatment and recycling - Reduce municipal waste generation, promote source-separated collection and its optimal exploitation
 - B.4.3: Renewable energy and energy efficiency - Support cost-effective and innovative energy rehabilitations relevant to building types and climatic zones, with a focus on public buildings

Call identifier: ENI CBC MED

The cross-border dimension of the projects is the specific and strategic feature of the ENI CBC Mediterranean Sea Basin Programme, representing a key driver for the Programme effectiveness. For strategic projects, the project partnership shall represent a minimum of four (4) different eligible countries including at least two (2) EU Mediterranean Countries (EUMC) and two (2) Mediterranean Partner Countries (MPC). The Programme contribution to the projects may cover up to 90% of the total eligible costs of the project. The remaining percentage, which cannot be less than 10% of the total eligible costs of the project, has to be provided by the project partners' own resources, or by public and private sources other than European Community Budget or the European Development Fund, as co-financing rate. For Italy, the eligible territories participating in the ENI CBC MED Programme are: Basilicata, Calabria, Campania, Lazio, Liguria, Puglia, Sardegna, Sicilia, Toscana.

Read more on:

<http://www.enicbcmmed.eu/calls-for-proposals/call-for-strategic-projects/submit-a-project-proposal>

ENI CBC Mediterranean Sea Basin Programme 2014-2020

Types of action: cross-border cooperation activities for strategic projects

Deadline: 03 July 2019 13:00:00



Ministry of Education, University and Research-MIUR

AVVISO PUBBLICO PER L'EROGAZIONE DI FINANZIAMENTI NELL'AMBITO DEL FONDO DI FONDI DEL PROGRAMMA OPERATIVO NAZIONALE RICERCA E INNOVAZIONE 2014-2020 (PON R&I)

PON Ricerca e Innovazione 2014-2020

Topics: Biotecnologie Industriali; Fotonica; Materiali Avanzati; Micro/Nanoelettronica; Nanotecnologie; Sistemi manifatturieri avanzati.

Types of action: Investimenti in R&I

Deadline: 31 December 2022 (Bando a sportello)

In attuazione del Programma Operativo Nazionale (PON) Ricerca e Innovazione 2014-2020 e allo scopo di incrementare gli investimenti in ricerca e sviluppo fornendo adeguati strumenti finanziari, il Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR) ha creato

un "Fondo di fondi" di rilevanza nazionale per la ricerca e l'innovazione gestito dalla Banca europea per gli investimenti (BEI). Gli investimenti che i Fondi Ricerca e Innovazione potranno finanziare comprendono attività di ricerca industriale e sviluppo sperimentale in linea con i criteri di selezione del PON Ricerca e Innovazione e promuovono lo sviluppo e l'utilizzo delle tecnologie abilitanti fondamentali (Key Enabling Technologies - KETs) per le aree tematiche della Strategia Nazionale di Specializzazione Intelligente. La strategia di investimento del Fondo prevede anche la possibilità di realizzare una piattaforma nazionale per la ricerca e l'innovazione con eventuali apporti di risorse proprie da parte della BEI, di altri programmi operativi nazionali e regionali, e/o di altri intermediari finanziari nazionali e regionali. L'attuazione dello strumento finanziario interessa innanzitutto le otto regioni target del PON (Basilicata, Calabria, Campania, Puglia, Sicilia, Abruzzo, Molise e Sardegna), ma anche le rimanenti aree del Paese.

Read more on:

<http://www.ponricerca.gov.it/notizie/2018/avvisofdf/>



Ministry of Foreign Affairs and International Cooperation- MAECI

ITALY – INDIA COLLABORATIVE INDUSTRIAL RESEARCH & DEVELOPMENT PROGRAM 2019

Topics: Advanced Manufacturing and Materials; Aerospace; Clean Tech (Renewables, Water, Environment); Internet of Things (Smart Mobility, Smart Cities, Smart Manufacturing, Precision Agriculture etc.); Technologies for Cultural Heritage

This India-Italy program aims to foster and support the development of collaborative R&D projects that bring together companies, research organizations, academics and other collaborators from both countries for the joint development of innovative products or processes. In Italy the project lead only, will receive the financial support from Italian Ministry of Foreign Affairs and International Cooperation. Other project partners such as R&D Organisations and Academia must be paid as sub-contractors by the project lead. The Italian partner must be an industrial entity (company) running activities of R&D. In the case of an industrial entity without a mandate in R&D, it must collaborate as partner in the research activities with a non-industrial entity (university, research center, etc.). SMEs that apply in collaboration with a research partner as stated above, innovative start-up companies and certified incubators or innovative SMEs have priority in the selection assessment.

Read more on:

https://www.esteri.it/mae/it/politica_estera/cooperscientificatecnologica/avvisiincaricoban di.html?id=1828

Agreement on Scientific and Technological Cooperation between the Republic of India and the Italian Republic

Types of action: joint research and development (R&D) projects

Opening date: 16 January 2019

Deadline: 28 June 2019



ITALY – EGYPT JOINT SCIENCE AND TECHNOLOGY COOPERATION CALL FOR JOINT PROJECT PROPOSALS

Topics:

1. Science and Technologies applied to Cultural and Natural Heritage (Advances in non-destructive testing and investigations; Indoor environmental monitoring; 3D survey; exploitation and valorization; Innovative conservation and restoration techniques; Geophysical investigations; Interdisciplinary approaches; Disaster prevention).
2. Energy from renewable resources (New trends in renewable energy; Advances in energy storage systems; Biofuel/biogas production; Energy efficiency in production and in end uses - industrial, civil and residential, transportation).
3. Smart Cities & Smart Mediterranean (Waste management and biofuel production; Blue economy; Sustainable mobility; Urban revitalization, de-urbanization and smart future villages).
4. Affordable & Inclusive Healthcare (Telemedicine; Cancer; Translational medicine; Chronic diseases; Geriatric medicine).
5. Drinking and Waste Water management (Sanitation technology; Advances in desalination technology; Saltwater intrusion into freshwater aquifers: monitoring and mitigation).
6. Sustainable agriculture and food production (Climatic and extra climatic factors affecting livestock, aqua fisheries and sustainable crop production; innovative solutions for combatting emerging infectious livestock diseases; advanced trends to improve livestock productivity; innovation to reduce loss of soil fertility, desertification, soil erosion and salization).
7. Basic Sciences (Aquaculture; Biochemistry; Biology; Chemistry; Geology; Mathematics;

Scientific and Technological Cooperation Agreement between the Government of the Republic of Italy and the Government of the Arab Republic of Egypt

Types of action: joint project proposals for the "Exchange of Researchers" and for the submission of joint project proposals of "Particular Relevance"

Opening date: 01 April 2019

Deadline: 31 May 2019 12:00:00



Microbiology; Mineral Resources; Oceanography; Physics).

8. Material sciences and nanotechnologies.

9. Space and related applications (Ground and infrastructure deformation monitoring; Radar interferometry; Climate change; Land, marine and atmospheric monitoring).

With regard to the present call two funding schemes are available:

a. "Exchange of Researchers" are joint research projects where only the expenses for researchers' mobility are funded.

b. "Particular Relevance" are joint research projects where research activities are co-funded by both Parties. This scheme requires a mandatory significant funding contribution on the part of the applicant's Institution.

The proposal shall be jointly submitted to both Parties. In particular, the Italian coordinator shall submit it to the Italian Ministry of Foreign Affairs and International Cooperation and the Egyptian coordinator shall submit it to the Egyptian Science and Technology Development Fund (STDF).

Read more on:

https://www.esteri.it/mae/it/politica_estera/cooperscientificatecnologica/avvisiincaricobandi.html?id=1852

➔ ITALY – VIETNAM SCIENCE AND TECHNOLOGY COOPERATION CALL FOR THE SUBMISSION OF JOINT PROJECT PROPOSALS

Scientific and Technological Cooperation Agreement between the Government of the Republic of Italy and the Government of the Socialist Republic of Vietnam

Topics: Agriculture and Food Science; Biotechnology and Medicine; Environment and climate change; Information and Communication Technologies; Advanced Materials Technology; Industry 4.0; Astrophysics, Space and Earth Observation; Technologies applied to conservation and restoration of Natural and Cultural Heritage.

Types of action: joint proposals for projects of "Particular Relevance"

Deadline: 30 May 2019 12:00:00

With regard to the present call research projects of "Particular Relevance" will be co-funded by both Parties.

Read more on:

https://www.esteri.it/mae/it/politica_estera/cooperscientificatecnologica/avvisiincaricobandi.html?id=1842



Regione Calabria

INGEGNO

Topics: Agroalimentare, Edilizia Sostenibile, Turismo e Cultura, Logistica, ICT e Terziario innovativo, Smart Manufacturing, Ambiente e Rischi Naturali, Scienze della Vita.

La Regione Calabria intende valorizzare i risultati della ricerca scientifica attraverso percorsi di sviluppo in collaborazione con le imprese del territorio, favorendo l'ingegnerizzazione industriale di soluzioni tecnologiche in stadio di sviluppo compreso fra TRL 4 e TRL 7. L'azione ha come obiettivo ultimo la trasformazione di risultati della ricerca in prodotti o servizi reali volti al miglioramento e alla crescita aziendale delle imprese calabresi. Il percorso INGEGNO, avviato attraverso la call pubblica rivolta agli operatori della ricerca delle Università pubbliche e degli EPR, si sviluppa per fasi: FASE 1. Rilevazione dei risultati della ricerca scientifica che siano in uno stadio di sviluppo compreso tra TRL4 e TRL7; FASE 2. Valutazione della coerenza con la Strategia di Specializzazione Intelligente (S3 Calabria) e del TRL minimo pari a 4 (condizioni necessarie per accedere al percorso); FASE 3. Approfondimento degli aspetti relativi alla potenzialità applicativa della soluzione e presentazione dei risultati della ricerca nella vetrina pubblica di INGEGNO rivolta alle aziende; FASE 4. Gestione dei rapporti di collaborazione tra imprese e gruppi di ricerca nella definizione del piano di attività, del piano sulla proprietà intellettuale e del piano finanziario necessari al progetto di valorizzazione dei risultati della ricerca tramite convalida industriale.

Read more on:

<http://calabriaeuropa.regione.calabria.it/website/bando/352/index.html>

POR CALABRIA FESR-FSE 2014-2020

Opening date:

24 January 2018

Deadline: Bando a sportello



Topics: Aree di Innovazione della S3 Calabria: Agroalimentare; Edilizia Sostenibile; Turismo e Cultura; Logistica; ICT e Terziario innovativo; Smart Manufacturing; Ambiente e Rischi naturali; Scienze della Vita

Opening date: Luglio 2018
Deadline: Bando a sportello



“Sostenere la generazione di soluzioni innovative a specifici problemi di rilevanza sociale, anche attraverso l'utilizzo di ambienti di innovazione aperta come i Living Lab per promuovere e sperimentare modalità innovative di avvio di processi di R&S, in particolare nell'ambito dei beni e dei servizi collettivi”. È questo l'obiettivo dell'azione lanciata dalla Regione Calabria. Lo strumento segue un processo bottom-up, partendo dall'identificazione di esigenze sociali di innovazione che emergono dal territorio e che, al contempo, richiedono lo sviluppo di nuove soluzioni tecnologiche da parte di imprese e Organismi di ricerca, perseguendo e sperimentando una strategia di “quadrupla elica” (PA, Università, Imprese e Gruppi di utenti/cittadini). Lo scopo è stimolare l'innovazione trasferendo la ricerca dai laboratori verso contesti di utilizzo reale con il massimo coinvolgimento degli utilizzatori finali (gruppi di utenti/cittadini). Gli step del percorso prevedono: Fase 1. Rilevazione dei fabbisogni tramite “indagine esplorativa” (l'indagine si rivolge a chi li può rappresentare e farsene portavoce, come ad esempio Enti pubblici (Comuni, Province, etc.) e soggetti del sistema socio-economico regionale rappresentativi di bisogni collettivi/sociali come associazioni e organismi del terzo settore). Fase 2. Set-up delle azioni pilota (la seconda fase prevede l'analisi e condivisione dei fabbisogni afferenti alle diverse Aree di Innovazione della S3 Calabria. In tale step saranno coinvolti i rappresentanti degli utenti finali, il sistema della ricerca -università, enti pubblici e privati di ricerca ecc.- e il sistema imprenditoriale. L'obiettivo è approfondire le esigenze di innovazione emerse e creare legami tra i soggetti coinvolti attraverso incontri per fare “match” tra specifici fabbisogni raccolti -domanda di innovazione- e possibili idee progettuali -offerta di innovazione-). Fase 3. Sperimentazione – finanziamento dei progetti (la terza fase prevede il finanziamento alle imprese di progetti di ricerca e sviluppo volti alla prototipazione e alla sperimentazione di nuovi prodotti/servizi rispondenti ai fabbisogni individuati nella fase 1 con il coinvolgimento degli Enti/Organizzazioni che hanno aderito all'indagine e gruppi di utilizzatori finali).

Read more on:

<http://calabriaeuropa.regione.calabria.it/website/bando/372/index.html>

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