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#61249501

EU–USA S&T Cooperation Funding Opportunities



POLITÉCNICA

Horizon 2020: How US partners can participate?



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Researchers and organizations from around the world can, in all sectors, can participate in H2020 projects. However, **eligibility for EC funding differs by country:**

- Members States (MS)
- Associated Members (AC)
- Overseas Countries and Territories (OCT) linked to the Member States
- Third Country



- European researchers can include partners from anywhere in the world when preparing H2020 proposal. Thus **USA partners, enterprises and institutions can partner with European partners....**
- But not all international partners are automatically eligible for funding
- In principle, **USA participants can use their own funding**, such as funding from USA agencies.

BILAT USA 4.0



Bilateral Coordination for the Enhancement and Development of S&T Partnerships between the European Union and the United States of America



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Project has expired from 31st January 2019

<https://www.euussciencetechnology.eu/>



About ENRICH in the USA ▼ |

<https://usa.enrichcentres.eu/>

pivot Log in Sign up

FUNDING OPPORTUNITIES

- Comprehensive global source of funding opportunities
- Billions of dollars in funding and grants

PRE-POPULATED SCHOLAR PROFILES

- Your institution's profiles matched against funding opportunities
- Find collaborators from among 3 million profiles worldwide powered by the COS[®] database

COLLABORATIVE WORK FLOW

- Connects research development professionals and faculty
- Cultivate essential partnerships and alliances

Intelligent Mapping Tools leverage expertise to propel research funding uniquely targeted to your organization.

EDITORIAL INTEGRITY

- Funding opportunities updated daily
- Our editorial team covers over 13,000 sponsors, both national and international
- Keywords are added to expedite discovery
- See our latest features

ONLINE MONITORING AND TRACKING

- Monitor and track opportunities to receive the latest updates
- Stay on top of critical deadlines
- Disseminate funding opportunities and track the status of researchers responses to enhance communication regarding projects, funding, and collaborators

NEW TO PIVOT?
Learn more



<https://pivot.proquest.com/>

Tomorrow, July 3rd ⇨ webinar about Pivot at UPM
Information : Ramón Zamorano López

¿Que es Pivot?

Pivot combina oportunidades de financiación con perfiles de investigadores en una sola interfaz

- Acceso a unas 30.000 oportunidades de financiación
- Más de 3300 millones de \$ en financiación
- 3 millones de perfiles de investigadores de todo el mundo

Los investigadores podrán:

- Buscar y controlar oportunidades de financiación
- Compartir estas oportunidades con otros investigadores
- Localizar expertos e investigadores para colaborar

Los administradores podrán:

- Comunicarse con los investigadores
- Enviar oportunidades a sus investigadores



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	Topic identifier	Topic title (click topic name to follow link)
2018	DT-ART-01-2018	Testing, validation and certification procedures for highly automated driving functions under various traffic scenarios based on pilot test data
	DT-ART-02-2018	Support for networking activities and impact assessment for road automation
	ICT-21-2018	EU-US Collaboration for advanced wireless platforms
	ICT-31-2018-2019	EU-US collaboration on NGI
	INFRAIA-01-2018-2019	Integrating Activities for Advanced Communities
	LC-MG-1-1-2018	InCo flagship on reduction of transport impact on air quality
	LC-MG-1-2-2018	Sustainable multi-modal inter-urban transport, regional mobility and spatial planning
	LC-MG-1-3-2018	Harnessing and understanding the impacts of changes in urban mobility on policy making by city-led innovation for sustainable urban mobility
	MG-2-1-2018:	Human Factors in Transport Safety (including aviation).
	MG-2-5-2018	Innovative technologies for improving aviation safety and certification in icing conditions
	NMBP-13-2018	Risk Governance of nanotechnology (RIA)
	NMBP-14-2018	Nanoinformatics: from materials models to predictive toxicology and ecotoxicology (RIA)
	SC1-HCC-03-2018	Support to further development of international cooperation in digital transformation of health and care
	SC5-17-2018	Towards operational forecasting of earthquakes and early warning capacity for more resilient societies

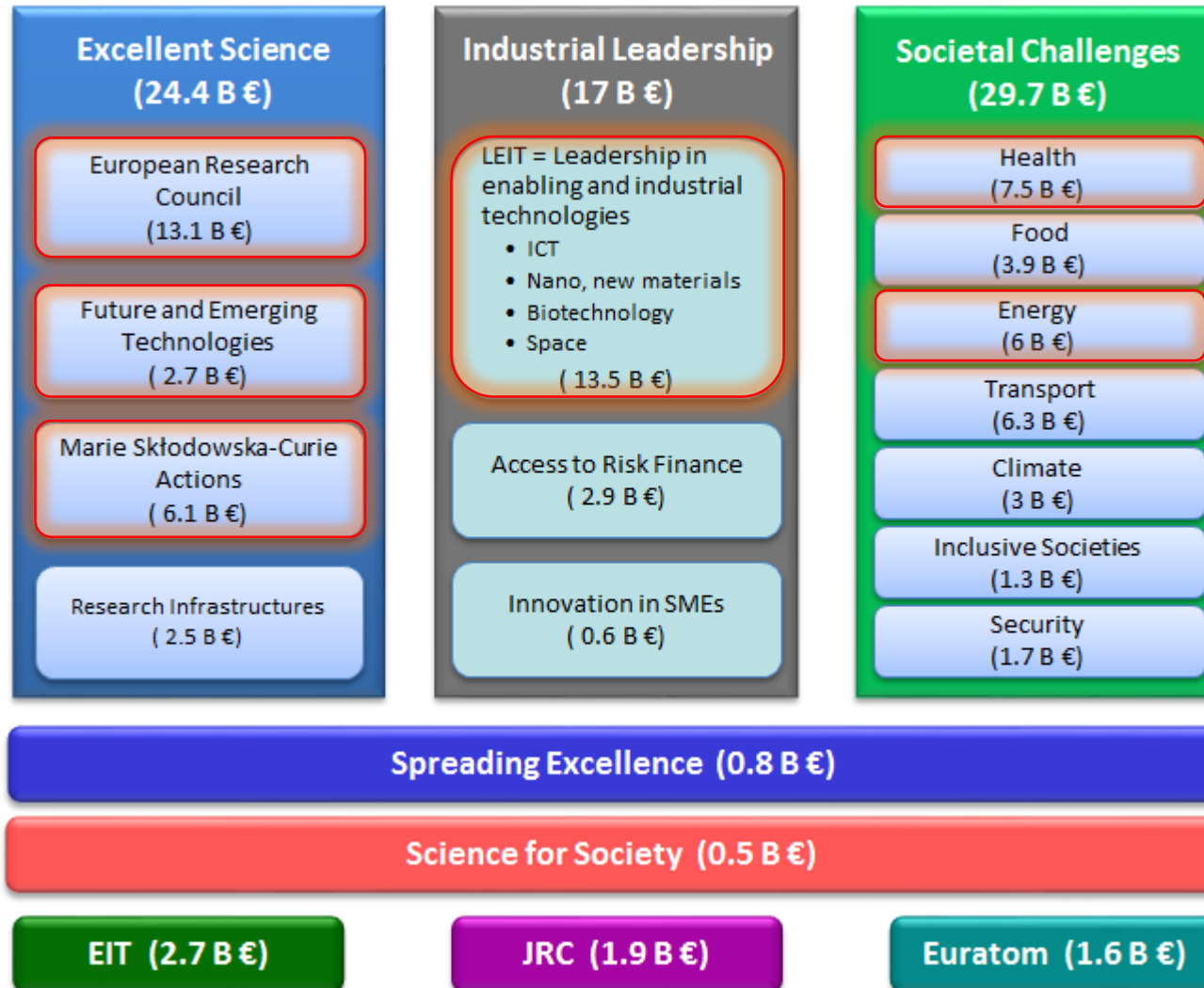
2019	DT-ART-03-2019	Human centred design for the new driver role in highly automated vehicles
	DT-ART-04-2019	Developing and testing shared, connected and cooperative automated vehicle fleets in urban areas for the mobility of all
	DT-NMBP-12-2019	Sustainable Nano-Fabrication (CSA)
	DT-SPACE-06-EO-2019	International Cooperation Copernicus – Designing EO downstream applications with international partners
	ICT-06-2019	Unconventional Nanoelectronics
	LC-CLA-07-2019	The changing cryosphere: uncertainties, risks and opportunities
	LC-MG-1-9-2019	Upgrading transport infrastructure in order to monitor noise and emissions
	MG-2-9-2019	Integrated multimodal, low-emission freight transport systems and logistics (Inco Flagship)
	NMBP-15-2019	Safe by design, from science to regulation: metrics and main sectors (RIA)
	BG-07-2019-20	G7 initiative 'The Future of Seas and Oceans'
	SU-SPACE-22-SEC-2019	Space Weather

Potential US Participation in WP 2020



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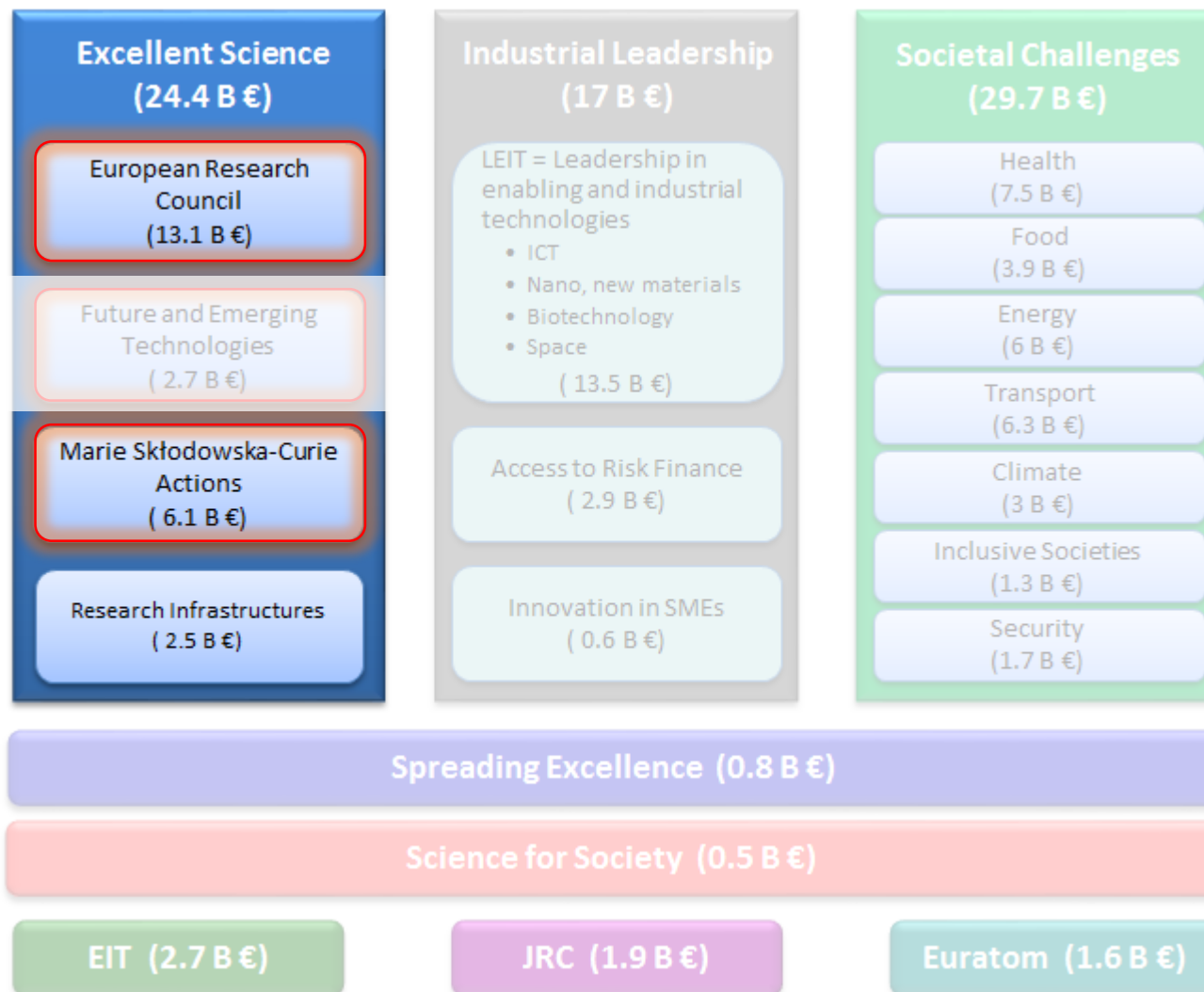


Potential US Participation in WP-2020



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European Research Council (ERC)



3 individual calls



Starting Grants
Early-career researcher

PhD + 2-7 years' exper.
Up to €2 million
Up to 5 years

Consolidator Grants
Senior researcher

PhD + 7-12 years' exper.
Up to €2 million
Up to 5 years

Advanced Grants
Expert researcher

10-year excellent
Scientific track record
Up to €2.5 million
Up to 5 years

1 collaborative call

Synergy Grants
2-4 researchers/collaboration
Excellent scientific | Track record
Up to €10 million + 4M€
Up to 6 years



Proof-of-concept Grants
ERC grantees
Marketable innovation
Up to €150 000
Up to 18 months



European Research Council (ERC) Grants



3 individual calls



**SCIENTIFIC
EXCELLENCE
OF
THE
RESEARCHER
&
THE PROJECT**

- PI comes **from anywhere in the world** to carry out a project in Host institution in an **EU Member State or an Associated Country**

USA are eligible for funding

Scientific **excellence**: sole evaluation criteria (PI and project)

- **Bottom-up approach: All fields**
- **Individual projects (1 PI)**



1 collaborative call

European Research Council (ERC) SYNERGY GRANT



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A group of 2 to maximum 4 Principal Investigators (PIs)

Open to the World

USA are eligible for funding



"At any one time, one Principal Investigator per Synergy Grant Group except the Corresponding one can be hosted or engaged by an institution outside of the EU or Associated Countries"



- ✓ 19.4% of the proposals submitted under WP 2019 have 1 third country PI in their group.
- ✓ 75% of third country participations are **from the US and Canada.**

Indicative call opening: 18/07/2019

Indicative call closure: 05/11/2019

Marie Skłodowska-Curie Actions (MSCA)



MSCA – IF- Global Fellowship

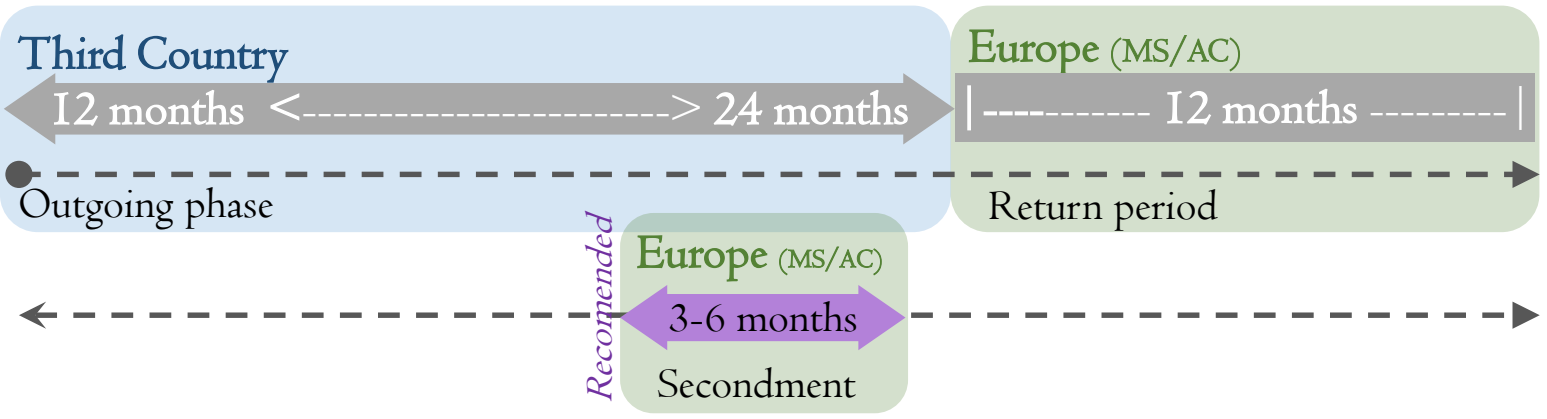
Researcher (ER)



Experience: PhD or ≥ 4 year-full time research experience
Nationality: Any country MS/AC or long-term residents (>5 yrs)
Mobility: ER < 12 months in last 3 years in TC



Third Country
 USA receive no funding but receive researchers funded



MSCA – IF- European Fellowships – Standard Panel



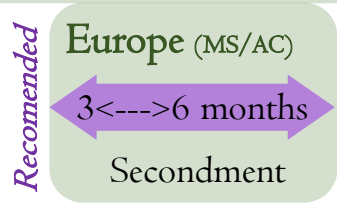
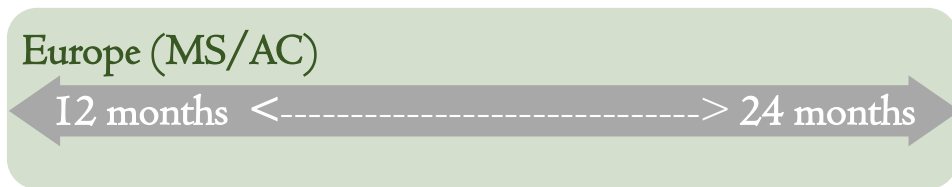
Researcher (ER)



Beneficiary
UPM Host institution



Experience: PhD or ≥ 4 year-full time research experience
Nationality: *Any country*
Mobility: ER worked < 12 months in last 3 years in MS/AC host beneficiary



Indicative call opening: 11/04/2019
Indicative call closure: 11/09/2019



POLITÉCNICA

Master Class @ UPM (“Writing Days”) June 6-7, 2019 (Madrid)

FREE



Writing Days “How to write a successful MSCA Individual Fellowships Proposal”



USA are eligible for travel allowance

Travel Allowance (1000-1500 €) to visit Research Group and/or Attendance at UPM Writing Days

www.upm.es/msca

Expressions of Interest from UPM supervisors “Host Institution”



Find your supervisor at UPM

For ER who are not yet in relation with UPM Supervisors, the following table includes information about several UPM Supervisors that have expressed their interests to host MSCA fellow in their research group. If you are interested in one EOI, please contact them directly.

Expression of Interest

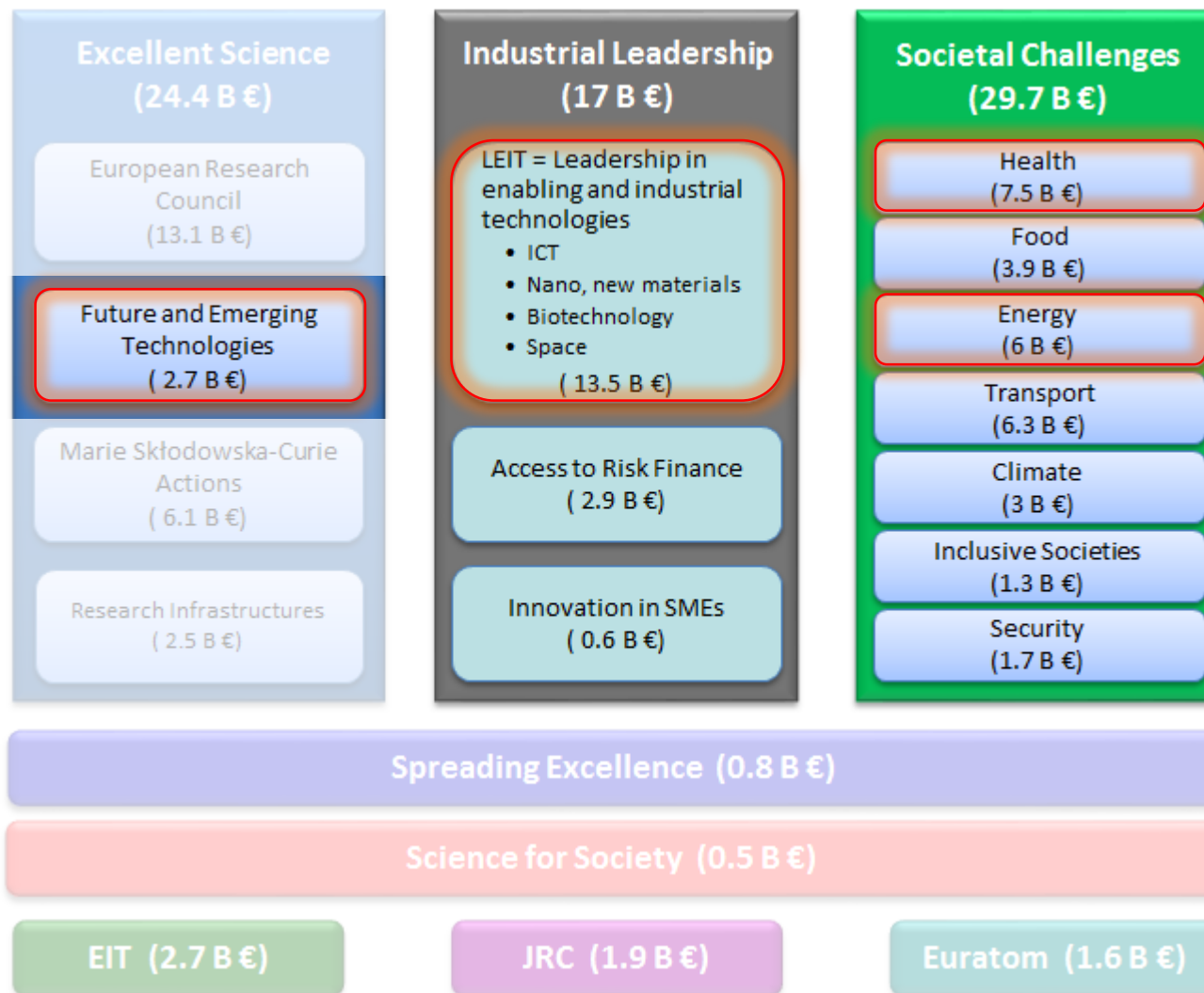
- Supervisor: Jose María Ulloa
- Research group: Grupo de Dispositivos Semiconductores
- Department and Center / Institute: Institute for Systems based on Optoelectronics and Microtechnology (ISOM), Escuela Técnica Superior de Ingenieros de Telecomunicación
- Research area: Information Science and Engineering (ENG), Physics (PHY)

Potential US Participation in WP-2020



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Future and Emerging Technologies (FET)

CALL - FET FLAGSHIPS – TACKLING GRAND INTERDISCIPLINARY SCIENCE AND TECHNOLOGY CHALLENGES

Topics	Title	Instrument	Single Stage	Budget funded
FETFLAG-06-2020	International Cooperation on Quantum Technologies	CSA	2-Stage	500k€ 1

Opening Call: 9 July 2019 | 1-stage : 13 Nov 2019

Quantum Technologies FET Flagship ⇨ Target countries are the USA, Canada and Japan.

Industrial Leadership: Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing (NMBP)

1.3 GOVERNANCE, SCIENCE-BASED RISK ASSESSMENT AND REGULATORY ASPECTS

Topics	Title	Instrument	Single Stage	Budget funded
NMBP-16-2020	Safe by design, from science to regulation: multi-component nanomaterials	RIA	2-Stage	6-8 M€ 2

Opening Call: 27 Jun 2019 | 2-stage : 12 Dec 2019 + 14 May 2020

For this topic a parallel call scheme is envisaged with the USA-NNI. Resulting projects should establish close cooperation mechanisms. Therefore, proposals should foresee a dedicated work package for cooperation and earmark appropriate resources.

Societal Challenges: SCI. Health, demographic change and wellbeing

Specific Agreement

CALL- BETTER HEALTH AND CARE, ECONOMIC GROWTH AND SUSTAINABLE HEALTH SYSTEMS

In recognition of the opening of the US National Institutes of Health's programmes to European researchers, any **legal entity established in the United States of America is eligible to receive Union funding** to support its participation in projects supported under the following topics:

2020

USA are eligible for funding

Topics	Title	Instrument	Single Stage or 2-Stage	Budget/proposal Nº Prop. Expec. funded
SC1-BHC-06-2020	Digital diagnostics – developing tools for supporting clinical decisions by integrating various diagnostic data	RIA	1-Stage	8-15 M€ 4-5
SC1-HCO-03-2020	Bridging the divide in health research and innovation – boosting return on investment	CSA	1-Stage	1.5-2 M€ 1
SC1-HCO-14-2020	ERA-NET: Sustained collaboration of national and regional programmes in cancer research	ERA-NET Cofund	1-Stage	5 M€ 1
SC1-HCO-16– 2020	ERA-NET: Sustained collaboration of national and regional programmes in research on brain-related diseases and disorders of the nervous system	ERA-NET Cofund	1-Stage	5 M€ 1
SC1-HCO-17-2020	Coordinating and supporting research on the human microbiome in Europe and beyond	CSA	1-Stage	1.5-2 M€ 1
SC1-BHC-08-2020	New interventions for Non-Communicable Diseases	RIA	2- stage	4-6 M€ 12-15
SC1-BHC-11-2020	Advancing the safety assessment of chemicals without the use of animal testing	RIA	1-Stage	10-20 M€ 3-5
SC1-HCO-18-2020	Developing methodological approaches for improved clinical investigation and evaluation of high-risk medical devices	CSA	1-Stage	1-2 M€ 1
SC1-HCO-19-2020	Reliable and accessible information on cell and gene-based therapies	CSA	1-Stage	1-2 M€ 1
SC1-BHC-17-2020	Global Alliance for Chronic Diseases (GACD) - Prevention and/or early diagnosis of cancer	RIA	1-Stage	1-3 M€ 7-9
SC1-BHC-20A-2020	Pre-commercial procurement (PCP) for integrated care solutions	Pre-commercial Procurement	1-Stage	5-6 M€ 2-3

Topics	Title	Instrument	Single Stage or 2-Stage	Budget/proposal N°Prop. Exp. funded
SC1-BHC-20B-2020	Public procurement of innovative solutions (PPI) for diagnostics for infectious diseases ..	Public Procurement of Innovative solutions	1-Stage	3-5 M€ 2-3
SC1-BHC-33-2020	Addressing low vaccine uptake	RIA	1-Stage	2-3 M€ 3-4
SC1-BHC-34-2020	New approaches for clinical management and prevention of resistant bacterial infections in high prevalence settings	RIA	1-Stage	10-15 M€ 2
SC1-BHC-35-2020	Creation of a European wide sustainable network for harmonized large-scale clinical research studies for infectious diseases	RIA	1-Stage	25-30 M€ 1
SC1-HCO-07-2020	ERA-NET to support the Joint Programming Initiative on Antimicrobial resistance (JPIAMR)	ERA-NET Cofund	1-Stage	5 M€ 1
SC1-BHC-24-2020	Healthcare interventions for the management of the elderly multimorbid patient	RIA	2-stage	4-6 M€ 9-8
SC1-BHC-37-2020	Towards the new generation of clinical trials – trials methodology research	RIA (lump Sum)	1-stage	4-6 M€ 1
SC1-HCO-20-2020	Coordination of clinical research activities of the European Reference Networks	CSA	1-Stage	1.5-2 M€ 1
SC1-BHC-29-2020	Innovative actions for improving urban health and wellbeing -addressing environment, climate and socioeconomic factors	RIA	2-stage	4-5 M€ 6-7
SC1-BHC-36-2020	Micro- and nano-plastics in our environment: Understanding exposures and impacts on human health	RIA	1-Stage	4-6 M€ 4-5
SC1-DTH-12-2020	Use of Real-World Data to advance research on the management of complex chronic condition	RIA	1-Stage	4-6 M€ 6-8
SC1-DTH-13-2020	Implementation research for scaling up and transfer of innovative solutions involving digital tools for people-centred care	RIA	2-stage	3-4 M€ 5-6
SC1-HCC-10-2020	Towards a Health research and innovation Cloud: Capitalising on data sharing initiatives in health research	CSA	1-Stage	2-3 M€ 1

Opening Call: 04 July 2019 | 1 stage : 07 April 2020 | 2-stage : 24 Sept. 2019 + 07 April 2020

Societal Challenges: SCI. Health, demographic change and wellbeing



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CALL - DIGITAL TRANSFORMATION IN HEALTH AND CARE

2020

Topics	Title	Instrument	Deadline	Budget/proposal Nº Prop. Expect. funded
SC1-DTH-02-2020	Personalised early risk prediction, prevention and intervention based on Artificial Intelligence and Big Data technologies	RIA	Op. 19 Nov 19 Sub.: 22 Apr 20	4-6 M€ 5-7
SC1-DTH-06-2020	Accelerating the uptake of computer simulations for testing medicines and medical devices	RIA	Op. 19 Nov 19 Sub.: 22 Apr 20	6-8 M€ 4-5
SC1-DTH-14-2020	Pre-commercial Procurement for Digital Health and Care Solutions	PCP	Op. 19 Nov 19 Sub.: 22 Apr 20	4-5 M€ 2
SC1-HCC-06-2020	Coordination and Support to better data and secure cross-border digital infrastructures building on European capacities for genomics and personalised medicine	CSA	Op. 9 Jul 19 Sub.: 13 Nov 20	4 M€ 1

CALL - TRUSTED DIGITAL SOLUTIONS AND CYBERSECURITY IN HEALTH AND CARE

2020

Topics	Title	Instrument	Deadline	Budget/proposal Nº Prop. Expect. funded
DT-TDS-04-2020	AI for Genomics and Personalised Medicine	RIA	Op. 9 Jul 19 Sub.: 13 Nov 20	10M € 3
DT-TDS-05-2020	AI for Health Imaging	RIA	Op. 19 Nov 19 Sub.: 22 Apr 20	8-10 M € 3-4

Societal Challenges: SC3. Secure, clean and efficient Energy



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

2020

Topics	Title	Instrument	Single Stage or 2-Stage	Budget/proposal N° Prop. Expec. funded
LC-SC3-RES-3-2020	International Cooperation with USA on alternative renewable fuels for energy and transport	RIA	1-stage	2-4 M€ 3

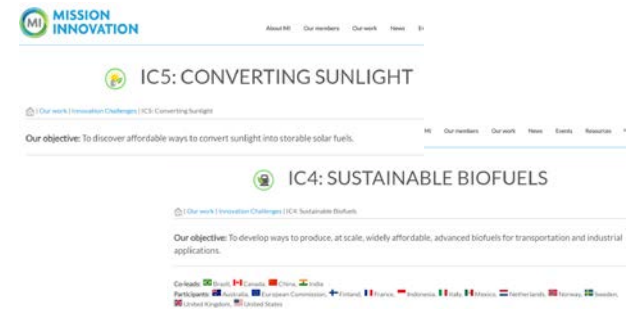
Opening Call: 5 May 2019 | 1-stage : 01 Sept. 2020

LC-SC3-RES-3-2020

No direct funding for USA

Due to the specific challenge of this topic, in addition to the minimum number of participants set out in the General Annexes, proposals must include at least one participant established in the following countries: USA or China.

In line with the strategy for EU international cooperation in research and innovation (COM(2012)497), actions will contribute to implementing **Mission Innovation Challenge¹ 4 and 5** (<http://mission-innovation.net>)



Supplementary Information

European Research Council (ERC)

Useful Tools and links



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- Consult **ERC website** for latest funding opportunities, view ERC funded projects

<https://erc.europa.eu/>

- View video : Step by step to ERC Grants

<https://vimeo.com/117398570>

Useful Tools and links

Marie Skłodowska-Curie Actions (MSCA)



- Consult **MSCA website**
<http://ec.europa.eu/research/mariecurieactions/>
- Consult **MCAA website** (Marie Curie Alumni Association)
<https://www.mariecuriealumni.eu/>
- **EURAXESS European Researchers Mobility Portal**
<https://euraxess.ec.europa.eu/>

4 ways for USA researchers to participate in Horizon 2020

	I. Standard Horizon 2020 Terms	II. Article 14a "International Partners"	III. Regular 3 rd party (e.g. subcontract or legal link, EU definition)	IV. EU-U.S. Implementing Arrangement
	<p>Horizon 2020 project</p>	<p>Horizon 2020 project</p>	<p>Horizon 2020 project</p>	<p>Horizon 2020 project</p> <p>optional MoU</p>
Considered as:	Beneficiary	U.S. as International Partner - Specific third party linked to one (or more) beneficiaries	Third Party (linked to beneficiary either via sub-contract (Art. 13) or legal link (Art. 14))	EU as Beneficiary U.S. as "Research Partner" to the project
Form of funding:	EU funding from Horizon 2020 in exceptional cases possible and SC1	EU partner funded via H2020 U.S. partner brings own funding	Payment for service (subcontract) or funding for task possible (legal link) from linked beneficiary	EU Partner: Horizon 2020 U.S. partner: brings U.S. funding
Agreement with funding organisations:	H2020 Grant Agreement	No legal obligation to sign an agreement, but U.S. International partner must be named in Grant Agreement	EU Partner: Grant Agreement U.S. Partner: Subcontract or legal link with beneficiary	EU Partner: H2020 Grant Agreement U.S. Partner: signs own agreement with their funding organisation
Agreement in consortium:	Consortium Agreement in accordance with H2020 regulations All parties share complete workload	Can sign MoU or alternative agreement U.S. partner has responsibility for specific task	Specific service/task (subcontract) or task (legal link 3 rd party) defined in contract between H2020 partner and U.S. entity; no further information on project data than that regarding assigned service or task is provided	Can sign MoU or alternative agreement
Form of Reporting:	In accordance with H2020 regulations (and via Participant Portal)	EU partner in accordance with H2020 regulations and can report about U.S. International Partner U.S.: in accordance with US funding organization but reports to EU partner	Subcontractor is paid via invoice to linked beneficiary. EU beneficiary receives money from H2020	EU partner: in accordance with H2020 regulations, U.S.: in accordance with U.S. funding organisation