

Servizos de apoio e oportunidades de participación para investigadores da UDC nas convocatorias 2017 do programa H2020

Introdución sobre o programa H2020 e portal do participante

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17 de novembro 2016



Índice de contidos

- Horizonte 2020
- Iniciativas relacionadas
- Portal do participante



HORIZONTE 2020



UNIVERSIDADE DA CORUÑA



OTLL

Horizonte 2020

- Programa de financiamento da investigación e innovación – case **80 mil millóns de euros** (2014 - 2020).
- Novo Programa Cadro (FP), que agrupa tres programas/iniciativas (FP, EIT, CIP).
- Continuación do apoio á **investigación** de calidade.
- Máis apoio para actividades de **innovación** – creación de **oportunidades de negocio**.
- **Simplificación** dos procesos e redución dos tempos.



Horizonte 2020

- **Novo regulamento de participación** máis homoxéneo, coherente con outros programas da UE.
- **Un proxecto – unha porcentaxe** de financiamento.
 - Custos elixibles: directos + indirectos (25% dos custos directos).
 - Financiamento 100% para proxectos de investigación;
 - Financiamento 70 % para accións de innovación (100 % para entidades sen ánimo de lucro).
- Interese da **cooperación internacional**.
- **Criterios de avaliación:** Excelencia, Impacto, Implementación. Máximo 5 puntos por criterio.



Tipos de proxectos

Research & Innovation Actions (RIA)

Proxectos colaborativos transnacionais destinados a **generar nuevo conocimiento y/o explorar la viabilidad** de nuevas tecnoloxías, produtos, procesos, servizos ou solucións.

Pueden **incluir actividades de investigación básica y aplicada**, desenvolvemento tecnolóxico e integración, así como testeo y validación mediante prototipos a pequena escala en laboratorios ou entornos simulados.

Innovation Actions (IA)

Proxectos colaborativos transnacionais destinados a elaborar planes, disposicións y/o deseño para produtos, procesos ou servizos novos, modificados ou mellorados.

Se inclúen actividades de **desarrollo de prototipos, ensayos, demostración, validación de producto a gran escala y de aplicación comercial. NO investigación básica.**

Coordination and Support Actions (CSA)

Medidas de acompañamiento para financiar actividades como estandarización, **difusión**, sensibilización y comunicación, **redes**, coordinación de servizos de apoio, **diálogos políticos**, estudos y actividades de aprendizaxe (training). **NO investigación**



Excellent Science

European Research Council (ERC)

Future & Emerging Technologies (FET)

Marie Skłodowska-Curie Actions (MSCA)

Research Infrastructures

Industrial Leadership

Leadership in Enabling and Industrial Technologies

Access to Risk Finance

Innovation in SMEs

Societal challenges

Health, demographic change and wellbeing

Food security, sustainable agriculture, forestry, marine, maritime, inland water and bio-economy

Secure, clean and efficient energy

Smart, green and integrated transport

Climate action, environment, resource efficiency and raw materials

Inclusive, innovative and reflective societies

Secure societies – protecting freedom and security of Europe and its citizens

Spreading Excellence and Widening Participation

Science with and for Society

EIT

JRC



Horizonte 2020

Horizon 2020: Excellent Science (€Bn)

| | |
|--|--------------|
| European Research Council (ERC) <i>Supporting world leading scientist in blue sky research</i> | 13.09 |
| Future and Emerging Technologies (FET) <i>Collaborative research to open new fields of innovation</i> | 2.70 |
| Marie Skłodowska-Curie actions (MSCA) <i>Opportunities for training and career development</i> | 6.16 |
| Research infrastructures (including e-infrastructure) <i>Ensuring access to world-class facilities</i> | 2.49 |



Horizonte 2020

Horizon 2020: Industrial Leadership (€Bn)

| | |
|---|--|
| Leadership in enabling and industrial technologies (LEIT) <i>ICT, nanotechnologies , advanced materials, biotechnology , advanced manufacturing and processing, space</i> | 13.56 |
| Access to risk finance <i>Leveraging private finance and venture capital for research and innovation</i> | 2.84 |
| Innovation in SMEs <i>Fostering all forms of innovation in all types of SMEs</i> | 0.6 complemented by c. 20% of societal challenges and industrial leadership |



Horizonte 2020

Horizon 2020: Societal challenges (€Bn)

| | |
|---|-------------|
| Health, demographic change and wellbeing | 7.47 |
| Food security, sustainable agriculture & the bioeconomy | 3.85 |
| Secure, clean and efficient energy | 5.93 |
| Smart, green and integrated transport | 6.34 |
| Climate action, resource efficiency and raw materials | 3.08 |
| Europe in a changing world - inclusive, innovative and reflective societies | 1.31 |
| Secure societies – protecting freedom and security of Europe and its citizen | 1.69 |



INICIATIVAS RELACIONADAS



Iniciativas relacionadas

"The implementation of Horizon 2020 may give rise to **supplementary programmes** involving the participation of certain Member States only, the participation of the Union in programmes undertaken by several Member States, or the setting up of joint undertakings or other arrangements within the meaning of Articles 184, 185 and 187 TFEU."

COM/2011/0809: *Proposal for a Regulation of the European Parliament and Council establishing Horizon 2020 - the Framework Programme for Research and Innovation (2014-2020)*



Iniciativas relacionadas

- Public Private Partnerships (PPPs)
- Joint Technology Initiatives (JTIs)
- Joint Programming Initiatives (JPIs)
- European Research Area Networks (ERANETs)



Iniciativas relacionadas

- PPPs (I)
 - Factories of the Future (FoF)
 - Energy-efficient Buildings (EeB)
 - Sustainable Process Industry through Resource and Energy Efficiency (SPIRE)
 - European Green Vehicles Initiative (EGVI)
 - Photonics
 - Partnerships for Robotics in Europe (SPARC)
 - High Performance Computing (HPC)
 - 5G Infrastructure Public Private Partnership (5G PPP)



Iniciativas relacionadas

- PPPs (II)
 - Energy Materials Industrial Research Initiative (EMIRI)
 - Vessels for the Future (VESSELS)
 - Research for future infrastructures in Europe (reFINE)
 - Big Data (Data PPP)
 - Cibersecurity
 - Border Management



Iniciativas relacionadas

- JTI – PPPs institucionais
 - Innovative Medicines 2 (IMI2)
 - Fuel Cells and Hydrogen 2 (FCH2)
 - Clean Sky 2 (CS2)
 - **Bio-based Industries (BBI)**
 - Electronic Components and Systems for European Leadership (ECSEL)
 - Shift2Rail



Iniciativas relacionadas

- JPIs

- Alzheimer and other Neurodegenerative Diseases (JPND)

<http://www.neurodegenerationresearch.eu/>

- Agriculture, Food Security and Climate Change (FACCE)

<http://www.faccejpi.com/>

- A Healthy Diet for a Healthy Life

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

- More Years, Better Lives (MYBL)

<http://www.jp-demographic.eu/>

- Antimicrobial Resistance- (JPIAMR)

<http://www.jpiamr.eu/>

- Water Challenges for a Changing World (Water JPI)

<http://www.waterjpi.eu/water-jpi/>

- Healthy and Productive Seas and Oceans (JPI Oceans)

<http://www.jpi-oceans.eu/>



Iniciativas relacionadas

- ERANETs (exemplos)
 - INFECT-ERA (MINECO, Carlos III), <http://www.infect-era.eu/>
 - ERA-IB-2* (MINECO), <http://www.era-ib.net/>
 - CoBioTech (MINECO)
 - ERA-MBT (MINECO), <http://www.marinebiotech.eu/marine-biotechnology-era-net/>
 - EURONANOMED II (Carlos III), <http://www.euronanomed.net/>
 - M-ERANET (Andalucía, Asturias, Euskadi, Madrid), <https://www.m-era.net/>
 - INCOMERA (Andalucía, Galicia, C. Valenciana), <http://www.incomera.eu/>

<https://www.era-learn.eu/network-information/networks>



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- Public Private Partnerships (PPPs)
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PORTAL DO PARTICIPANTE



Portal do participante

- Programas de traballo
- Regulamentos participación
- Anexos
 - Formularios de solicitude
 - Criterios de elixibilidade
 - Esquemas de financiamento
 - Área de expertos
- Electronic Submission Service (ESS)



<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>



GRAZAS!

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