

#innovacion
#ayudascdti
#asesoramiento
#internacionalizacion



Los Lunes de SOST Bruselas
7 / marzo / 2022



HORIZONTE

EUROPA
@HorizonteEuropa

Del apartado de Excelencia

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EXCELENCIA

- 1. f. **Superior calidad o bondad** que hace digno de singular aprecio y estimación algo. (RAE)
- The quality of **being outstanding or extremely good.**



Plantilla de propuesta y Formulario de evaluación

Horizon Europe Programme
Standard Application Form (RIA, IA)

Application form (Part A)
Project proposal – Technical description (Part B)



Horizon Europe
Evaluation Form (RIA IA)

Horizon Europe Programme
Standard Application Form (CSA)

Application form (Part A)
Project proposal – Technical description (Part B)



Horizon Europe
Evaluation Form (CSA)

Horizon Europe Programme
Standard Application Form (HE RIA, IA stage 1)

Application form (Part A)
Project proposal – Technical description (Part B)



Horizon Europe
Evaluation Form (HE 1st stage RIA, IA and
CSA)

Criteria de evaluación (RIAs e IAs)

EXCELLENCE

- ✓ Clarity and pertinence of the **project's objectives**, and the extent to which the proposed work is ambitious, and goes **beyond the state-of-the-art**.
- ✓ Soundness of the proposed **methodology**, including the underlying concepts, models, assumptions, **inter-disciplinary approaches**, **appropriate consideration of the gender dimension** in research and innovation content, and the quality of **open science practices** including sharing and management of research outputs and **engagement of citizens, civil society and end users** where appropriate.

IMPACT

- ✓ Credibility of the **pathways** to achieve the expected **outcomes and impacts** specified in the work programme, and the likely scale and significance of the contributions due to the project.
- ✓ Suitability and quality of the **measures to maximize expected outcomes and impacts**, as set out in the dissemination and exploitation plan, including communication activities.

QUALITY AND EFFICIENCY OF THE IMPLEMENTATION

- ✓ Quality and effectiveness of the **work plan**, assessment of risks, and appropriateness of the effort assigned to work packages, and the resources overall.
- ✓ Capacity and role of **each participant**, and extent to which the **consortium** as a whole brings together the necessary expertise.

Proposals aspects are assessed to the extent that the proposed work is within the scope of the work programme topic

Aspectos clave en la propuesta



Your proposed work must be **within the scope** of a work programme **topic**.



You need to demonstrate that your idea is **ambitious** and goes **beyond the state of the art**.



Your scientific **methodology** must take into account **interdisciplinary, gender dimension** and **open science** practices. It must **not** significantly **harm the environment**.



You should show how your project could contribute to the **outcomes and impacts** described in the work programme (**the pathway to impact**).



You should describe the planned measures to **maximise the impact** of your project ('**plan for the dissemination and exploitation including communication activities**').



You should demonstrate the **quality** of your **work plan, resources and participants**.

EXCELLENCE

EXCELENCIA - Plantilla de la propuesta (RIAs e IAs)



Part B



1.1 Objectives and ambition

- Objectives
- Beyond the SoA? ↔ Position of the project

1.2 Methodology

- Concepts, models and assumptions → Objectives
- Challenges and how to overcome
- National/International activities related to the project (link to SoA)
- Inter-disciplinarity (link to the consortium composition)
- SSH
- Gender dimension (sex/gender analysis)
- Open science
- DMP
- Others.....

EXCELENCIA - Plantilla de la propuesta (RIAs e IAs)



Part B



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Estado del Arte (SoA) – “Posicionar” la propuesta

The image displays two overlapping screenshots of the European Commission's 'Funding & tender opportunities' portal. The top screenshot shows the 'Horizon Dashboard' section, which provides an overview of EU research and innovation statistics and data. It includes a navigation menu with options like 'SEARCH FUNDING & TENDERS' and 'HOW TO PARTICIPATE'. A prominent message states: 'All documents will be unavailable in the Grants and Audits Management Services, in the Participant Register Services and in 'My Expert Area' on Monday, 22.11.2021 between 07:30 and 08:10. Please refrain from launching any document-related process, since these will not work and moreover, will have to be restored by the Service Desk.' Below this, there are sections for 'Projects & Results' and 'Programme for the Environment and Climate Action (LIFE)'. The bottom screenshot shows a more detailed view of the 'Projects & Results' section, featuring a search bar, a list of programming periods (including '2014-2020' and 'Horizon 2020 Framework Programme (H2020)'), and a 'Clear filters' button. It also displays a 'LIFE databhub' with a map of Europe, a 'Project database' with a list of factsheets and documents, and a 'Natura 2000 Network viewer' with a map and country factsheets. The bottom left corner of the image features the 'Horizonte Europa' logo and the text '@HorizonteEuropa'.

European Commission | Funding & tender opportunities | Single Electronic Data Interchange Area (SEDIA)

English EN Register Login

Home SEARCH FUNDING & TENDERS HOW TO PARTICIPATE

Horizon Dashboard

The Horizon Dashboard is an intuitive and interactive knowledge platform offering a user-friendly public access to statistics and data on EU research and innovation. It offers:

- Easy access to overview and detailed information on proposals, funded projects and project results, notably reported IPBs and scientific publications,
- Views on specific aspects e.g. the Seal of Excellence, the European Innovation Council
- Intuitive functions for filtering and drilling down, allowing analysis by geographical location, research thematic area, organization types etc.
- Functions for data export, story-building and bookmarking – log in here to access full Dashboard functionalities

HORIZON DASHBOARD
EU RESEARCH PROGRAMMES
Take data on board

process, since these will not work and

• All documents will be unavailable in the Grants and Audits Management Services, in the Participant Register Services and in 'My Expert Area' on Monday, 22.11.2021 between 07:30 and 08:10. Please refrain from launching any document-related process, since these will not work and moreover, will have to be restored by the Service Desk.

Proposals Evaluation Services may not be available on Monday

European Commission | Funding & tender opportunities | Single Electronic Data Interchange Area (SEDIA)

English EN Register Login

Home SEARCH FUNDING & TENDERS HOW TO PARTICIPATE PROJECTS & RESULTS WORK AS AN EXPERT SUPPORT

Programme for the Environment and Climate Action (LIFE)

clear filter

• All documents will be unavailable in the Grants and Audits Management Services, in the Participant Register Services and in 'My Expert Area' on Monday, 22.11.2021 between 07:30 and 08:10. Please refrain from launching any document-related process, since these will not work and moreover, will have to be restored by the Service Desk.

Proposals Evaluation Services may not be available on Monday 22nd from 8:00 to 9:00 (CET), while system maintenance is being performed. We apologize for the inconvenience caused.

Projects & Results

Programming period

2014-2020

Horizon 2020 Framework Programme (H2020)

Clear filters

Creative Europe (CREA)
European Defence Industrial Development Programme (EDIDP)
EU Aid Volunteers Programme (EUAVP)
European Solidarity Corps (ESC)
Erasmus+ Programme (EPLUS)
Europe For Citizens (EFC)

Projects & Results

Programming period

2014-2020

Programme for the Environment and Climate Action (LIFE)

Type your keyword...

Project ID

Select a Project ID...

Data hubs and other sources

LIFE databhub

The most successful LIFE projects achieving the greatest benefits for the environment and climate

Project database

Factsheets, brochures and documents about the LIFE programme and its projects.

Natura 2000 Network viewer

Country factsheets, country evaluations and LIFE National Contact Points.

HORIZONTE EUROPA
@HorizonteEuropa

Estado del Arte (SoA) – “Posicionar” la propuesta

Latest CORDIS Results Packs

Collections of up-to-date articles that focus on a specific theme for specialised audiences



1 March 2022



10 January 2022



30 November 2021



[See all CORDIS Results Packs](#)

Browse by domain of application

CORDIS articles are classified by high-level domains that reflect where the research results could be applied, independently of their field of science

HEALTH 6 922 results 	INDUSTRIAL TECHNOLOGIES 5 941 results 	CLIMATE CHANGE AND ENVIRONMENT 5 180 results 	DIGITAL ECONOMY 3 835 results
ENERGY 2 610 results 	FUNDAMENTAL RESEARCH 2 014 results 	SOCIETY 1 638 results 	FOOD AND NATURAL RESOURCES 1 187 results
TRANSPORT AND MOBILITY 766 results 	SECURITY 414 results 	SPACE 336 results 	

English

Home > Research and innovation > Research by area > Environment > Nature-based solutions

Nature-based solutions

Nature-based solutions and how the Commission defines them, funding, collaboration and jobs, projects, results and publications

SEARCH ADAPTATION KNOWLEDGE FOR A CLIMATE-RESILIENT EUROPE

Search Climate-ADAPT

Help News Events Newsletter

ABOUT - EU POLICY - COUNTRIES, TRANSNATIONAL REGIONS, CITIES - **KNOWLEDGE -** NETWORKS

Home > More Events

Future events

Upcoming Past Month Week Day

Mo

7. Mar. [European Climate Conference](#)

Mar. 07, 2022, to Mar. 08, 2022

Nantes, France

The European Climate Conference, organised by the French the EU Member States, the European Commission and the EU businesses and local governments. Among others, the conference particular in priority areas for the French presidency of the Commission.

Climate challenges Climate neutrality Urban environment

TOPICS
Impacts, risks and vulnerabilities
Adaptation options
Uncertainty guidance
Monitoring, Reporting and Evaluation
Europe's vulnerability to climate change impacts occurring outside Europe

DATA AND INDICATORS
Climate Services
Indicators in Climate-ADAPT

RESEARCH AND INNOVATION PROJECTS

EUROPEAN CLIMATE DATA EXPLORER

TOOLS
Adaptation Support Tool
Urban Adaptation Support Tool
Urban Adaptation Map Viewer
Economic tools

PRACTICE
Case study explorer
Case studies
LIFE projects
INTERREG projects
Climate-ADAPT use cases

SEARCH THE DATABASE

EUROPEAN CLIMATE AND HEALTH OBSERVATORY

el representatives of
rific community,
climate change, in
nsport.

NEWS | 19 May 2021 | Brussels, Belgium | Research and Innovation

R&I for the digital transformation of the water sector

Their latest case studies provide feedback to policy-makers for the revision of the [Urban Waste Water Treatment Directive](#), the [Sewage Sludge Directive](#), the [Industrial Emissions Directive](#), the [Drinking Water Directive](#), the implementation of the [Circular Economy Action Plan](#), the [Zero Pollution Action Plan](#) and on energy/resource efficiency, climate adaptation, development of the EU digital policies

- The need for digital water in a green Europe - EU H2020 projects' contribution to the implementation and strengthening of EU environmental policy
- Business models for digital water solutions - A study on the development of business models of digital solutions related to ICT4Water cluster projects
- ICT4WATER cluster - Vision and showcases

European Union

English

#CEstakeholderEU

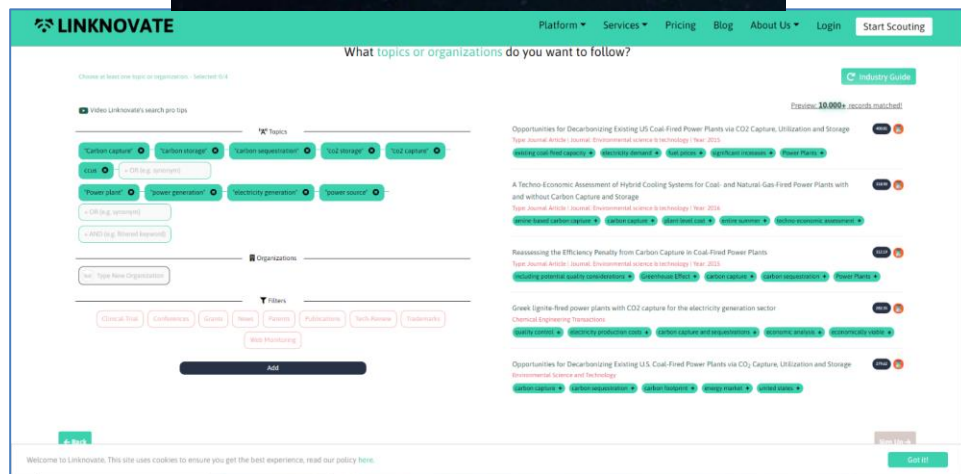
European Circular Economy Stakeholder Platform

A joint initiative by the European Commission and the European Economic and Social Committee

What are you looking for?

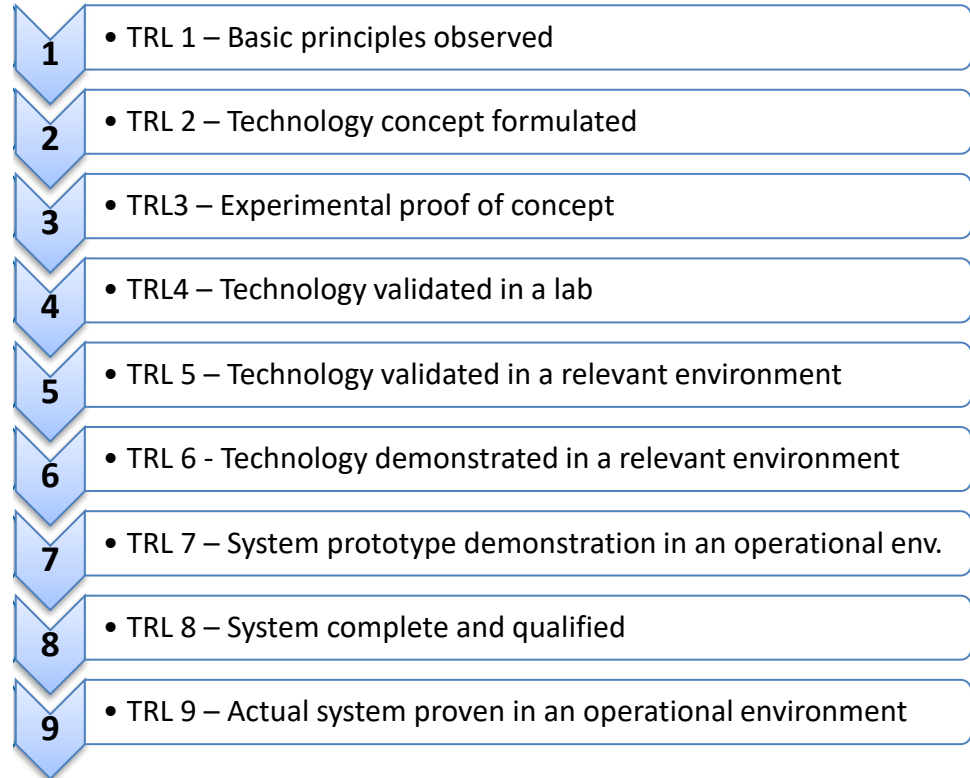
Advanced search

Estado del Arte (SoA) – “Posicionar” la propuesta



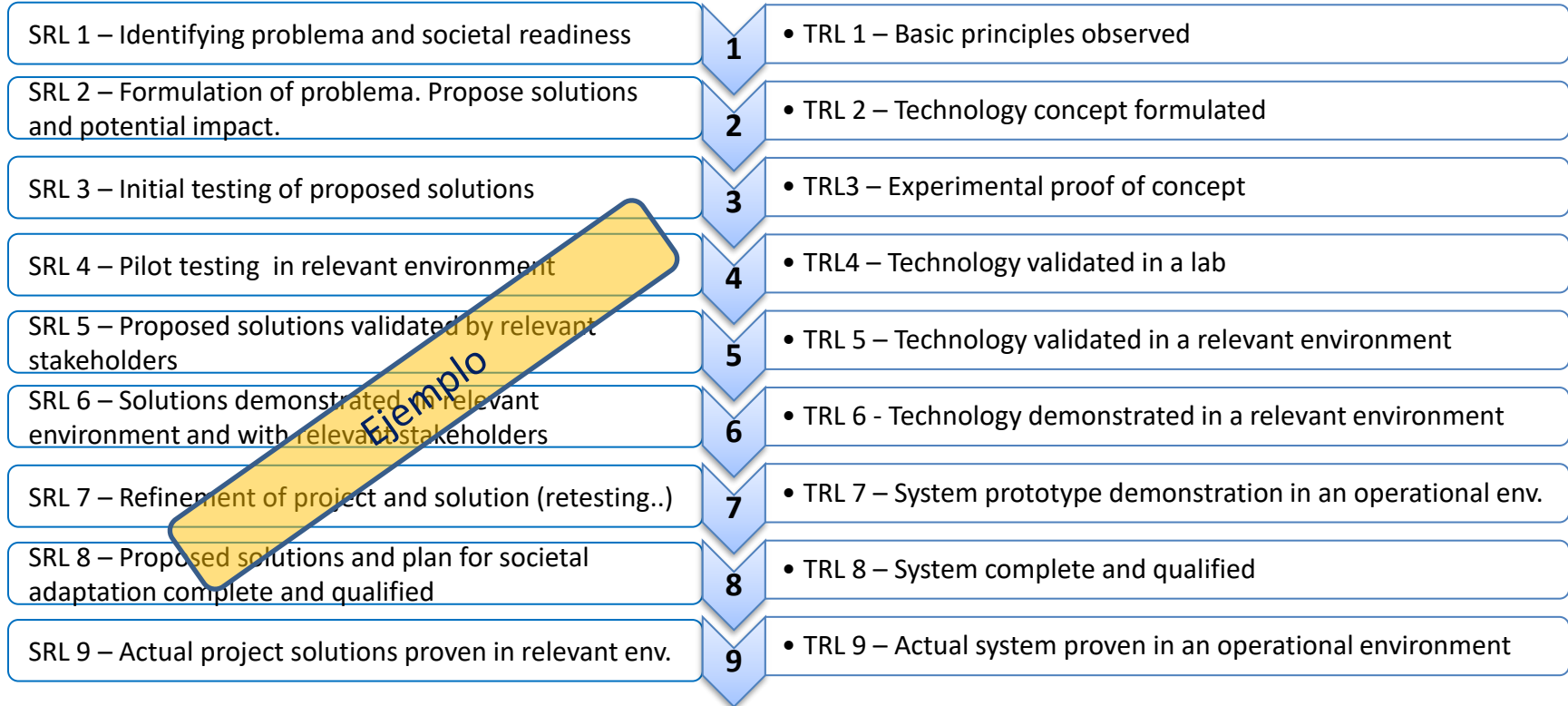
Estado del Arte (SoA) – “Posicionar” la propuesta

- Y si en mi área/clúster/*topic* no se usan los TRLs???
- O el proyecto/solución no es tecnológica????????
- O



HE - Work Programme 2021-2022. General Annexes

Estado del Arte (SoA) – “Posicionar” la propuesta



Ejemplo

EXCELENCIA - Plantilla de la propuesta (RIAs e IAs)



Part B



1.1 Objectives and ambition

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- Gender dimension (sex/gender analysis)
- Open science
- DMP
- Others.....

Políticas y aspectos horizontales

These aspects must normally be considered in **all HE calls** (unless explicitly mentioned in the topic description).

Specific calls may include other aspects to take into account



Open Science across the programme



Gender dimension in R&I content



Do no significant harm principle (DNSH)



Artificial intelligence (AI)



- **SSH**
- **International cooperation**
- **Multi-actor approach**
- **..... (Cross-cutting Priorities)**



“Open Science” en todo el programa

Open Science

An approach based on open cooperative work and systematic sharing of knowledge and tools as early and widely as possible in the process. Including active engagement of society.

Mandatory immediate Open Access to publications: beneficiaries must retain sufficient IPRs to comply with open access requirements;

Data sharing as ‘open as possible, as closed as necessary’: mandatory Data Management Plan for FAIR (Findable, Accessible, Interoperable, Reusable) research data.

- Work Programmes may incentivize or oblige to adhere to **open science practices** such as involvement of citizens, or to use the **European Open Science Cloud**.
- Assessment of open science practices through the **excellence award criteria** for proposal evaluation. Under **quality of participants** previous experience on open sciences practices will be evaluated positively.
- Dedicated support to **open science policy actions**.
- **Open Research Europe** publishing platform (<https://open-research-europe.ec.europa.eu/>).



Igualdad de Género en Horizonte Europa

- Eligibility: **Gender Equality Plan** (applicable from 2022 onwards for public bodies, research organizations or higher education institutions)

NEW

- Award Criteria: **Integration of the gender dimension**
- Ranking Criteria: **Gender balance** (for “ex aequo” proposals)

https://ec.europa.eu/info/research-and-innovation/strategy/strategy-2020-2024/democracy-and-rights/gender-equality-research-and-innovation_en



La dimensión de Género en el contenido de la I+D+I

Gender Dimension

Addressing the gender dimension in research and innovation entails taking into account sex and gender in the whole research & innovation process.

The **integration of the gender dimension** into R&I content is **mandatory**, unless it is explicitly mentioned in the topic description

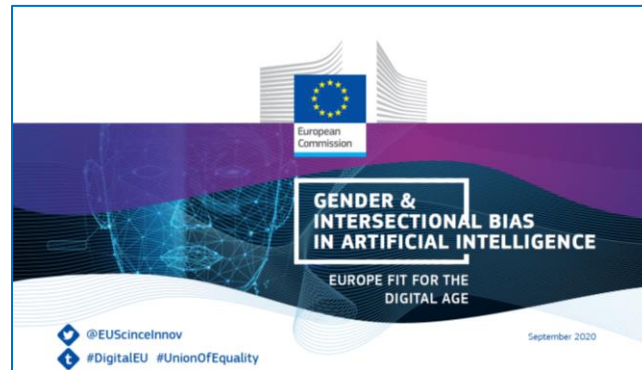
Why is gender dimension important? Some examples:

- Why do we observe differences between women and men in infection levels and mortality rates in the **COVID-19 pandemic**?
- Does it make sense to study **cardiovascular diseases** only on male animals and on men, or **osteoporosis** only on women?
- Does it make sense to design **car safety equipment** only on the basis of male body standards?
- Is it responsible to develop **AI products** that spread gender and racial biases due to a lack of diversity in the data used in training AI applications?
- Is it normal that household travel surveys, and thus **mobility analysis and transport planning**, underrate trips performed as part of caring work?
- Did you know that pheromones given off by men experimenters, but not women, induce a **stress response** in laboratory mice sufficient to trigger pain relief?
- And did you know that **climate change** is affecting sex determination in a number of marine species and that certain populations are now at risk of extinction?

Algunas “herramientas”



- **Case studies** (in health, AI & robotics, climate change, energy, transport, urban planning, waste management, agriculture, taxation, venture funding) building on H2020 funded projects
- **Refined methodologies** on the integration of sex/gender based analysis, and intersectional analysis, in R&I content
- **Evidence-based policy recommendations** for HE
- **Awareness raising** material including factsheets





El principio “do no significant harm (DNSH)”

European Green Deal

In line with the European Green Deal objectives, the research and innovation activities should not make a significant harm to any of the six environmental objectives (EU Taxonomy Regulation).

The **DNSH principle** needs to be taken into consideration in the **scientific methodology** and **impact** of the project.

However, **evaluators will not score applications in relation to their compliance with the DNSH principle** unless explicitly stated in the work programme, (currently, this is the case only for actions in the European Innovation Council Work Programme 2021).

The six environmental objectives :



Climate change mitigation



Sustainable use & protection of water & marine resources



Pollution prevention & control



Climate change adaptation



Transition to a circular economy



Protection and restoration of biodiversity & ecosystems



El principio “do no significant harm (DNSH)”

 **EU Finance** @EU_Finance


Say hello to the new #EUTaxonomy Compass! 🙌
ec.europa.eu/sustainable-fi...

This online tool will help you navigate through the EU taxonomy, check which activities are included for each objective & display the according criteria. It will always be up-to-date & you can even download it!



 Mairead McGuinness and 9 others

3:04 PM · Jun 15, 2021 · Twitter Web App

 European Commission

EU Taxonomy Compass

Home EU Taxonomy Compass Activities by sector

Home > EU Taxonomy Compass

EU Taxonomy Compass

Filter by sector or activity

Sector	Activity	Pollution prevention	Biodiversity
Arts, entertainment and recreation	Creative arts and entertainment activities		
Arts, entertainment and recreation	Libraries, archives, museums and cultural activities		
Arts, entertainment and recreation	Motion picture, video and television programme production, sound recording and music		



GOBIERNO DE ESPAÑA

MINISTERIO DE CIENCIA E INNOVACIÓN





Inteligencia Artificial

Trustworthy Artificial Intelligence

Due diligence is required regarding the trustworthiness of all AI-based systems/ techniques used or developed in projects funded under Horizon Europe.

Under Horizon Europe, the **technical robustness*** of the proposed AI based systems must be evaluated under the **excellence** criterion.

(*) Technical robustness refers to technical aspects of AI systems and development, including resilience to attack and security, fallback plan and general safety, accuracy, reliability and reproducibility.

AI-based systems or techniques should be or be developed to become:

- **Technically robust, accurate and reproducible**, and able to deal with and inform about possible failures, inaccuracies and errors, proportionate to the assessed risk posed by the AI-based system or technique.
- **Socially robust**, in that they duly consider the context and environment in which they operate.
- **Reliable and function as intended**, minimizing unintentional and unexpected harm, preventing unacceptable harm and safeguarding the physical and mental integrity of humans.
- Able to provide a suitable explanation of its **decision-making process**, whenever an AI-based system can have a significant impact on people's lives.



Ciencias Sociales y Humanidades (SSH)

Social Sciences and Humanities

Assessing the effective contribution of social science and humanities disciplines and expertise as part of the scientific methodology of the project.

When the **integration of SSH is required**, applicants have to show the roles of these disciplines or provide a justification if they consider that it is not relevant for their project.

Why integrating social sciences and humanity matters?

Many societal challenges are too complex to be overcome by a single scientific discipline. Technical solutions are often preconditions for new policy outcomes, but in themselves insufficient to have a meaningful impact. The lasting societal impacts that policy-makers seek are often equally reliant on insights from social sciences and the humanities. A few examples:

- **Social sciences** (law, ethics, psychology, political sciences...) are an essential component of the research responses to public health emergencies.
- **Economics and political science** are major components of projects focusing on socio-economic evaluation of climate-change impact.
- **Psychology, cultural considerations, ethics and religion** are essential to improve the support to palliative care patients.
- **Linguistics, cultural studies and ethics** are an important part of projects aiming to develop AI enhanced robotic system and improve human/robot interaction.
- **Economics and social sciences** are essential to devise effective measures of recovery after the Covid-19 pandemic.



GLOBAL APPROACH to Research and Innovation

18 May 2021



Cooperación Internacional

Cooperación internacional
≠
Financiación a terceros países

Modulate cooperation with third countries

- Develop **targeted international cooperation actions** in calls for proposals in areas of mutual interest under Horizon Europe and exploit the opportunities for association to Horizon Europe.
- Develop **strategic research and innovation plans for Africa** and launch a comprehensive 'Africa Initiative' under Horizon Europe.
- Seek to agree on the **EU-China Joint Roadmap on science, technology and innovation** cooperation to secure a level playing field and reciprocity as a precondition for future cooperation.
- Implement the Strategic Roadmap of the **EU-CELAC Action Plan on Science, Technology and Innovation** (2021-2023) and support the **ASEAN-EU Dialogue on Science and Technology**.



GOBIERNO
DE ESPAÑA

MINISTERIO
DE CIENCIA
E INNOVACIÓN

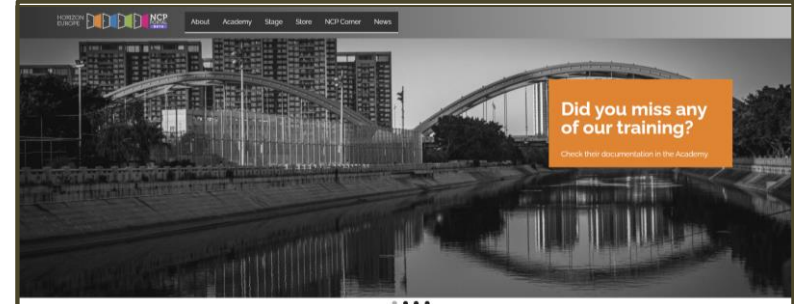


Información de interés



Horizon Europe (HORIZON)
Programme Guide

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Horizon Europe - NCP Portal



Algunas ideas finales



Excelencia – Impacto - Implementación



Justificación, explicación, conexión,....



Temas y políticas “cross- cutting”

+info sobre programas y ayudas CDTI
para
proyectos de I+D empresarial e innovación



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