

# Oportunidades para Asturias

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#HorizonEU

# HORIZON EUROPE

## CLUSTER 6 Y CLUSTER 5 (PARTE CLIMA)

#innovacion  
#ayudascdti  
#asesoramiento  
#internacionalizacion



@CDTIoficial

# Novedades del Horizonte Europa en la preparación de la propuesta

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*El contenido de esta presentación utiliza información proporcionada por la CE en eventos de promoción del programa Horizonte Europa*

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Condiciones de participación. ¿Quién y cómo participar?



El proceso de evaluación de las propuestas.



La plantilla de la propuesta y algunos aspectos clave.

# Funding & tender opportunities

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

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

All the external Horizon Dashboards will be unavailable on Thursday, 10.06.2021, between 12:30 and 19:30 CET due to a server maintenance. We apologise for any inconvenience this may cause.

Find calls for proposals and tenders

Search calls for proposals and tenders by keywords, programmes...

EU Programmes

Asylum, Migration and Integration Fund (AMIF)	Border Management and Visa Instrument (BMVI)	Customs Control Equipment Instrument (CCEI)	Citizens, Equality, Rights and Values Programme (CERV)	Creative Europe (CREA)	Customs Programme (CUST)
Digital Europe Programme (DIGITAL)	Europe Direct (ED)	European Parliament (EP)	European Solidarity Corps (ESC)	Erasmus+ Programme (ERASMUS+)	European Social Fund + (ESF)
European Maritime, Fisheries and Aquaculture Fund (EMFAF)	Fiscalis Programme (FISC)	Innovation Fund (INNOVFUND)	Internal Security Fund (ISF)	<b>Horizon Europe (HORIZON)</b>	Single Market Programme (SMP)
Social Pragmatic and Specific Competencies Lines (SOCPL)	EU External Action (RELEX)	Justice Programme (JUST)	Protection of the Euro against Counterfeiting Programme (PERICLES)	Pilot Projects and Preparatory Actions (PPPA)	Programme for the Environment and Climate Action (LIFE)

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

REFERENCE DOCUMENTS:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/reference-documents>

## How to participate in 5 steps

- 1 Find an opportunity
- 2 Find partner(s)
- 3 Create an account
- 4 Register your organisation
- 5 Submit your proposal or offer

Learn how to find and apply for suitable EU funding and tender opportunities.

[Learn more](#)

# Webinarios de Horizonte Europa



- [How to prepare a successful proposal in Horizon Europe](#) (24 March 2021)
- [A successful proposal for Horizon Europe: Scientific-technical excellence is key, but don't forget the other aspects](#) (21 April 2021)
- [The Funding & Tenders Portal for beginners](#) (27 May 2021).
- [All you need to know on D&E under Horizon Europe](#) (9 June 2021).
- [Horizon Europe: key changes to the Ethics Appraisal Process](#) (18 July 2021).
- [R&I Days 2021: workshop on 'Tips and tricks while writing your HE proposal](#) (23 June 2021).
- [Thematic info-days per cluster](#) (June – July 2021).
- [Cluster 6 - Food, Bioeconomy, Natural Resources, Agriculture & Environment | European Commission \(europa.eu\)](#). (25&26 October 2021)



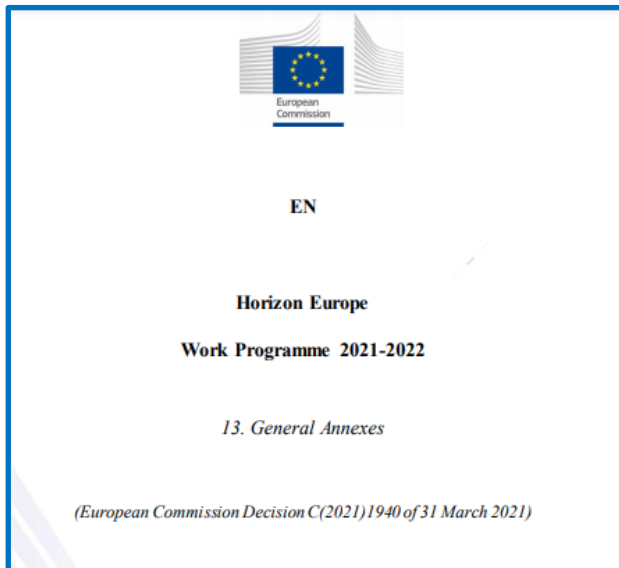
**Horizon Europe - NCP Portal**  
<https://www.horizoneuropencpportal.eu/>

# Condiciones de participación. ¿Quién y cómo participar?





# HE-WP 2021-2022 – Anexos Generales 13



*Horizon Europe - Work Programme 2021-2022  
General Annexes*

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[https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021-2022/wp-13-general-annexes\\_horizon-2021-2022\\_en.pdf](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021-2022/wp-13-general-annexes_horizon-2021-2022_en.pdf)



# Condiciones de admisibilidad

## Same general admissibility conditions

- Applications must be submitted before the call deadline, **electronically** via the Funding & Tenders Portal
- Applications must be **complete, readable, accessible and printable**, and include a **plan for the exploitation and dissemination of results**, unless provided otherwise in the specific call conditions.

## Proposal page limit

Substantial reduction in maximum length:



- RIAs and IAs type of actions: limit for a full application is **45 pages**
- CSAs: limit is **30 pages**
- First stage proposals: limit is **10 pages**
- EIC Pathfinder: limit is **17 pages**
- Exceptions, if any, would be specified in the call text.

**NEW**


**NEW**





# Condiciones de elegibilidad

## Consortium composition (collaborative projects)

- at least one independent legal entity established in a Member State, and 
- at least two other independent legal entities each established either in a different Member State or an Associated Country.

CSA: at least one legal entity established in a MS, AC or if provided for in the specific call conditions, in another third country.

## Gender Equality Plan (applicable only from 2022 on)

Participants that are public bodies, research organisations or higher education establishments from Members States and Associated countries **must have a gender equality plan**, covering minimum process-related requirements.

- A self-declaration will be requested at proposal stage (for all types of participants).
- Included in the entity validation process (based on self-declaration)

# GEPs : co-created building blocks

## Mandatory process-related elements

### PUBLIC DOCUMENT

- formal document signed by the top management,
- published on the institution's website and disseminated widely within the institution.

### DEDICATED RESOURCES

- Earmarked funding could be available for staff positions such as "Equality Officers" or "Gender Equality Teams".
- Organisations may reserve working hours of existing staff (academic, management, HR) for equality work.

### DATA COLLECTION AND MONITORING

- sex/gender-disaggregated data collection across all staff categories.
- Annual reporting of gender imbalances across job categories & leadership positions.
- comprehensive evaluation approach.

### TRAINING & CAPACITY BUILDING

- e.g. tackling unconscious gender bias among staff and decision-makers
- information and dissemination material, workshops,
- or working groups dedicated to specific topics.



# ¿Quién es elegible para recibir financiación?



## EU COUNTRIES

- Member States (MS) including their outermost regions
- The Overseas Countries and Territories (OCTs) linked to the MS.



## NON-EU COUNTRIES

- Countries associated to Horizon Europe (AC)
- Low and middle income countries: See [HE Programme Guide](#).
- Other countries when announced in the call or exceptionally if their participation is essential



## SPECIFIC CASES

- Affiliated entities established in countries eligible for funding.
- EU bodies
- International organisations (IO):
  - International European research organisations are eligible for funding.
  - Other IO are not eligible (only exceptionally if participation is essential)
  - IO in a MS or AC are eligible for funding for Training and mobility actions and when announced in the call conditions

# Países asociados



For the purposes of the eligibility conditions, applicants established in Horizon 2020 Associated Countries or in other third countries negotiating association to Horizon Europe will be treated as entities established in an Associated Country, if the Horizon Europe association agreement with the third country concerned applies at the time of signature of the grant agreement.

## Specific situation of UK and CH

- The UK is expected to soon become an associated country to Horizon Europe. UK entities can take part in the first calls for proposals of Horizon Europe
- All exploratory talks regarding the association of Switzerland to the next generation of EU programmes are currently on hold. Switzerland cannot be considered a candidate associated country in Horizon Europe.



# Máxima intensidad de la financiación

Type of Action	Funding rate
Research and innovation action	100%
Innovation action	70% (except for non-profit legal entities, where a rate of up to 100% applies)
Coordination and support action	100%
Programme co-fund action	Between 30% and 70%
Innovation and market deployment	70% (except for non-profit legal entities, where a rate of up to 100% applies)
Training and mobility action	100%
Pre-commercial procurement action	100%
Public procurement of innovative solutions action	50%

*\* Other funding rates may be set out in the specific call conditions*

# El proceso de evaluación de las propuestas.

## Novedades en Horizonte Europa





# ¿Novedades en el proceso de evaluación?



# El Briefing a los evaluadores



[https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/experts/standard-briefing-slides-for-experts\\_he\\_en.pdf](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/experts/standard-briefing-slides-for-experts_he_en.pdf)

## Content

### Horizon Europe: An EU R&I programme

- About Horizon Europe
- The impact logic in HE work programmes

### Overview of the evaluation procedure

- Standard evaluation procedure
- Evaluation criteria per type of action

### How to evaluate proposals

- Individual evaluation and scoring
- Evaluating the excellence, impact and quality of the implementation criteria
- Additional questions in the evaluation form

### The role of independent experts

- Guiding principles
- Confidentiality
- Conflicts of interest

### Additional Information





# Evaluación en una o dos etapas

## Proposal scoring



1st stage

Criteria	Threshold
Excellence	4
Impact	4
Implementation	n/a
<b>TOTAL</b>	<b>dynamic</b>

Closest to 3 times (but at least 2,5 times) the available budget invited to the 2<sup>nd</sup> stage

Single /  
2<sup>nd</sup> stage


Criteria	Threshold	IA factor (ranking)
Excellence	3	n/a
Impact	3	x 1,5
Implementation	3	n/a
<b>TOTAL</b>	<b>10</b>	n/a

Research  
Executive  
Agency



# El desempate

## Propuestas con idéntica puntuación

- **WP coverage**
- **Their score for Excellence (RIA)**
- **Their score for Impact (RIA)**
- **Their score for Impact (IA)**
- **Their score for Excellence (IA)**
- **Gender balance (personnel in the proposal)**
- **Geographical diversity (MMSS or AC)** 
- *Other factors; synergies between projects or involving SMEs.*





# Criteria de evaluación – Novedades HE

## Same criteria as in H2020

Same three award criteria: '**Excellence**', '**Impact**' and '**Quality and efficiency of the implementation**'.  
Excellence only for ERC.

## Adapted following lessons learnt

**NEW**

- The number of '**aspects to be taken into account**' have been **reduced**, ensuring that the same aspect is not assessed twice
- **Open Science** practices assessed as part of the scientific methodology in the excellence criterion
- **New approach to impact**: Key Impacts Pathways (KIPs)
- The assessment of the **quality of applicants** is assessed under 'implementation', rather than as a separate binary assessment of operational capacity
- Assessment of **management structures** has been removed.



# 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, interdisciplinary 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*



# Escrutinio sobre seguridad

New in Horizon Europe

NEW

Security issues will be checked **systematically** in all Horizon Europe proposals (in H2020 only proposals submitted to topics flagged as 'security-sensitive' were checked). The checks are based on a **self-assessment** included in the proposal. The focus is on:

- Whether the proposal uses or generates **EU classified information**
- Potential of **misuse** of results (that could be channeled into crime or terrorism)
- Whether activities involve information or materials subject to **national security restrictions**

The checks based on the self-assessment may trigger an in-depth security scrutiny.

# La plantilla de la propuesta y algunos aspectos clave



Funding and tender opportunities  
portal



# Plantilla propuesta (Proposal Template)

## Same structure

The proposal contains two parts:

- **Part A** (web-based forms) is generated by the IT system. It is based on the information entered by the participants through the submission system in the Funding & Tenders Portal.
- **Part B** is the narrative part that includes **three sections** that each correspond to an **evaluation criterion**. Part B needs to be uploaded as a PDF document following the templates downloaded by the applicants in the submission system for the specific call or topic.

Horizon Europe Programme  
Standard Application Form (RIA, IA)

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

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

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

Version 1.0  
7 June 2021

Horizon Europe Programme  
Standard Application Form (CSA)

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

# Novedades en las propuestas de Horizonte Europa



- **Parte B.- Definitions**

DEFINITIONS	
Critical risk	<p>A critical risk is a plausible event or issue that could have a high adverse impact on the ability of the project to achieve its objectives.</p> <p>Level of likelihood to occur (Low/medium/high): The likelihood is the estimated probability that the risk will materialise even after taking account of the mitigating measures put in place.</p> <p>Level of severity (Low/medium/high): The relative seriousness of the risk and the significance of its effect.</p>
Deliverable	<p>A report that is sent to the Commission or Agency providing information to ensure effective monitoring of the project. There are different types of deliverables (e.g. a report on specific activities or results, data management plans, ethics or security requirements).</p>
Impacts	<p>Example: <i>The deployment of the advanced forecasting system enables each airport to increase maximum passenger capacity by 15% and passenger average throughput by 10%, leading to a 28% reduction in infrastructure expansion costs.</i></p>
Milestone	<p>Control points in the project that help to chart progress. Milestones may correspond to the achievement of a key result, allowing the next phase of the work to begin. They may also be needed at intermediary points so that, if problems have arisen, corrective measures can be taken. A milestone may be a critical decision point in the project where, for example, the consortium must decide which of several technologies to adopt for further development. The achievement of a milestone should be verifiable.</p>
Objectives	<p>The goals of the work performed within the project, in terms of its research and innovation content. This will be translated into the project's results. These may range from tackling specific research questions, demonstrating the feasibility of an innovation, sharing knowledge among stakeholders on specific issues. The nature of the objectives will depend on the type of action, and the scope of the topic.</p>
Outcomes	<p>The expected effects, over the medium term, of projects supported under a given topic. The results of a project should contribute to these outcomes, fostered in particular by the dissemination and exploitation measures. This may include the uptake, diffusion, deployment, and/or use of the project's results by direct target groups. Outcomes generally occur during or shortly after the end of the project.</p> <p>Example: <i>9 European airports adopt the advanced forecasting system demonstrated during the project.</i></p>
Pathway to impact	<p>Logical steps towards the achievement of the expected impacts of the project over time, in particular beyond the duration of a project. A pathway begins with the projects' results, to their dissemination, exploitation and communication, contributing to the expected outcomes in the work programme topic, and ultimately to the wider scientific, economic and societal impacts of the work programme destination.</p>
Research output	<p>Results generated by the action to which access can be given in the form of scientific publications, data or other engineered outcomes and processes such as software, algorithms, protocols and electronic notebooks.</p>
Results	<p>What is generated during the project implementation. This may include, for example, know-how, innovative solutions, algorithms, proof of feasibility, new business models, policy recommendations, guidelines, prototypes, demonstrators, databases and datasets, trained researchers, new infrastructures, networks, etc. Most project results (inventions, scientific works, etc.) are 'Intellectual Property', which may, if appropriate, be protected by formal 'Intellectual</p>



# 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

IMPACT

IMPLEMENTATION

# Del programa de trabajo al “topic”



EN

Horizon Europe

Work Programme 2021-2022

## 9. Food, Bioeconomy, Natural Resources, Agriculture and Environment

*This draft has not been adopted or endorsed by the European Commission. Any views expressed are the preliminary views of the Commission services and may not in any circumstances be regarded as stating an official position of the Commission. The information transmitted is intended only for the Member State or entity to which it is addressed, for discussions and may contain confidential and/or privileged material.*

Horizon Europe - Work Programme 2021-2022  
Food, Bioeconomy, Natural Resources, Agriculture and Environment

### Destination – Circular economy and bioeconomy sectors

#### Expected impacts

Proposals for topics under this Destination should set out a credible pathway to developing circular economy and bioeconomy sectors, achieving sustainable and circular management and use of natural resources, as well as prevention and removal of pollution, unlocking the full potential and benefits of the circular economy and the bioeconomy, ensuring competitiveness and guaranteeing healthy soil, air, fresh and marine water for all, through better understanding of planetary boundaries and wide deployment and market uptake of innovative technologies and other solutions, notably in primary production (forestry) and bio-based systems.

Specifically, the topics will target one or several of the following impacts, for circular economy, bio-based sectors, forestry and aquatic value chains:

- **Regional, rural, local/urban and consumer-based transitions** towards a sustainable, regenerative, inclusive and just circular economy and bioeconomy across all regions of Europe based on **enhanced knowledge and understanding of science**, in particular regarding biotechnology-based value chains, for all actors, including policy makers, to design, implement and monitor policies and instruments for a circular and bio-based transitions.
- **European industrial sustainability, competitiveness and resource independence** by lowering the use of primary non-renewable raw materials and reducing greenhouse gas emissions and other negative environmental footprint (including on biodiversity), enabling climate-neutrality and higher resource efficiency (e.g. by circular design, improved waste management, cascading use of biomass) along and across value chains, developing innovative and sustainable value-chains in the bio-based sectors, substituting fossil-based ones, increasing circular practices in textiles, plastics, electronics and construction, developing recycling technologies and industrial symbiosis, increasing circular bio-based systems from sustainably sourced biological resources replacing carbon-intensive and fossil-based systems, with inclusive engagement of all stakeholders;
- **Improved consumer and citizen benefits**, including in the rural settings by establishing circular and bio-based systems based on sustainability, inclusiveness, health and safety;

Horizon Europe - Work Programme 2021-2022  
Food, Bioeconomy, Natural Resources, Agriculture and Environment

**HORIZON-CL6-2022-CIRC-BIO-02-05-two-stage: Life sciences and their convergence with digital technologies for prospecting, understanding and sustainably using biological resources**

Specific conditions	
<i>Expected EU contribution per project</i>	The Commission estimates that an EU contribution of around EUR 6.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 12.00 million.
<i>Type of Action</i>	Research and Innovation Actions
<i>Technology Readiness Level</i>	Activities are expected to achieve TRL 4-5 by the end of the project – see General Annex B.

**Expected Outcome:** In line with the European Green Deal and other European initiatives such as the circular economy action plan, the industrial strategy, the bioeconomy strategy and the biodiversity strategy, the successful proposal should support the uptake of bio-based innovation, to improve European industrial<sup>259</sup> sustainability, competitiveness and resource independence. They should develop innovative bio-based products using the full benefits of artificial intelligence and other digital technology innovation. They should engage all stakeholders and improve their knowledge and understanding of science, notably biotechnology-based value chains, and improve benefits for consumers.

Project results should contribute to all of the following outcomes:

- Use the full potential of artificial intelligence applications for prospecting, understanding and sustainably using biological resources within safe planetary boundaries.
- Digital tools, sensors and methods for improved efficiency, climate change adaptation and sustainability of industrial processes in the bio-based sectors considering the needs of stakeholders are integrated in innovative engineering solutions.
- Enhanced monitoring, reporting and management of natural resources using artificial intelligence and other digital technology applications.

**Scope:** Engineering biology applications have grown beyond chemical production to include the generation of biosensor organisms for the lab, animal, and field, modification of agricultural organisms for nutrition and pest/environmental resilience, production of organisms for bioremediation, and live cell and gene/viral therapies. The rapid expansion of the field has resulted in new tools and new approaches. However, we are still challenged by the need for novel and more robust and interoperable computational tools and models for

# Del programa de trabajo al “topic”



EN

Horizon Europe

Work Programme 2021-2022

9. Food, Bioeconomy, Natural Resources, Agriculture and Environment

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Horizon Europe - Work Programme 2021-2022  
Food, Bioeconomy, Natural Resources, Agriculture and Environment

**Destination – Circular economy and bioeconomy sectors**

**Expected impacts**

Proposals for topics under this Destination should set out a credible pathway to developing circular economy and bioeconomy sectors, achieving sustainable and circular management and full complement of better innovative based specific economic

Y...dar respuesta a los *Expected Impacts* (a uno o a varios) a nivel de “Destination”

**NEW**

Enhanced knowledge and understanding of science, in particular biology-based value chains, for all actors, including policy makers, to assess and monitor policies and instruments for a circular and bio-based

transitions.

- **European industrial sustainability, competitiveness and resource independence** by lowering the use of primary non-renewable raw materials and reducing greenhouse gas emissions and other negative environmental footprint (including on biodiversity), enabling climate-neutrality and higher resource efficiency (e.g. by circular design, improved waste management, cascading use of biomass) along and across value chains, developing innovative and sustainable value-chains in the bio-based sectors, substituting fossil-based ones, increasing circular practices in textiles, plastics, electronics and construction, developing recycling technologies and industrial symbiosis, increasing circular bio-based systems from sustainably sourced biological resources replacing carbon-intensive and fossil-based systems, with inclusive engagement of all stakeholders;
- **Improved consumer and citizen benefits**, including in the rural settings by establishing circular and bio-based systems based on sustainability, inclusiveness, health and safety;

Horizon Europe - Work Programme 2021-2022  
Food, Bioeconomy, Natural Resources, Agriculture and Environment

**HORIZON-CL6-2022-CIRC-BIO-02-05-two-stage: Life sciences and their convergence with digital technologies for prospecting, understanding and sustainably using biological resources**

**Specific conditions:**

Cubrir el “topic” al 100%, dar respuesta a todo lo que se indica en los distintos apartados:

- *Specific conditions*
- *Expected outcomes*
- *Scope*

artificial intelligence and other digital technology innovation. They should engage all stakeholders and improve their knowledge and understanding of science, notably

Tener en cuenta todos los matices de cada “topic”: *policies, gender, MAA, INCO, SSH, ...*

- **Enhanced monitoring, reporting and management of natural resources** using artificial intelligence and other digital technology applications.

**Scope:** Engineering biology applications have grown beyond chemical production to include the generation of biosensor organisms for the lab, animal, and field, modification of agricultural organisms for nutrition and pest/environmental resilience, production of organisms for bioremediation, and live cell and gene/viral therapies. The rapid expansion of the field has resulted in new tools and new approaches. However, we are still challenged by the need for novel and more robust and interoperable computational tools and models for

# Políticas y aspectos horizontales



Open Science across the programme



Gender dimension in R&I content



Pathways to impact



Measures to maximise impact



Do no significant harm principle (DNSH)



Artificial intelligence (AI)



- SSH
- International cooperation
- Multi-actor approach
- Ocean sustainability and blue economy
- .....

**Specific calls** may include other aspects to take into account

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



# “Open Science” en todo el programa

## Open Science

Open science is 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)



# 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?

- 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?



# Describir el impacto de tu propuesta

**Project's  
pathway towards  
impact**

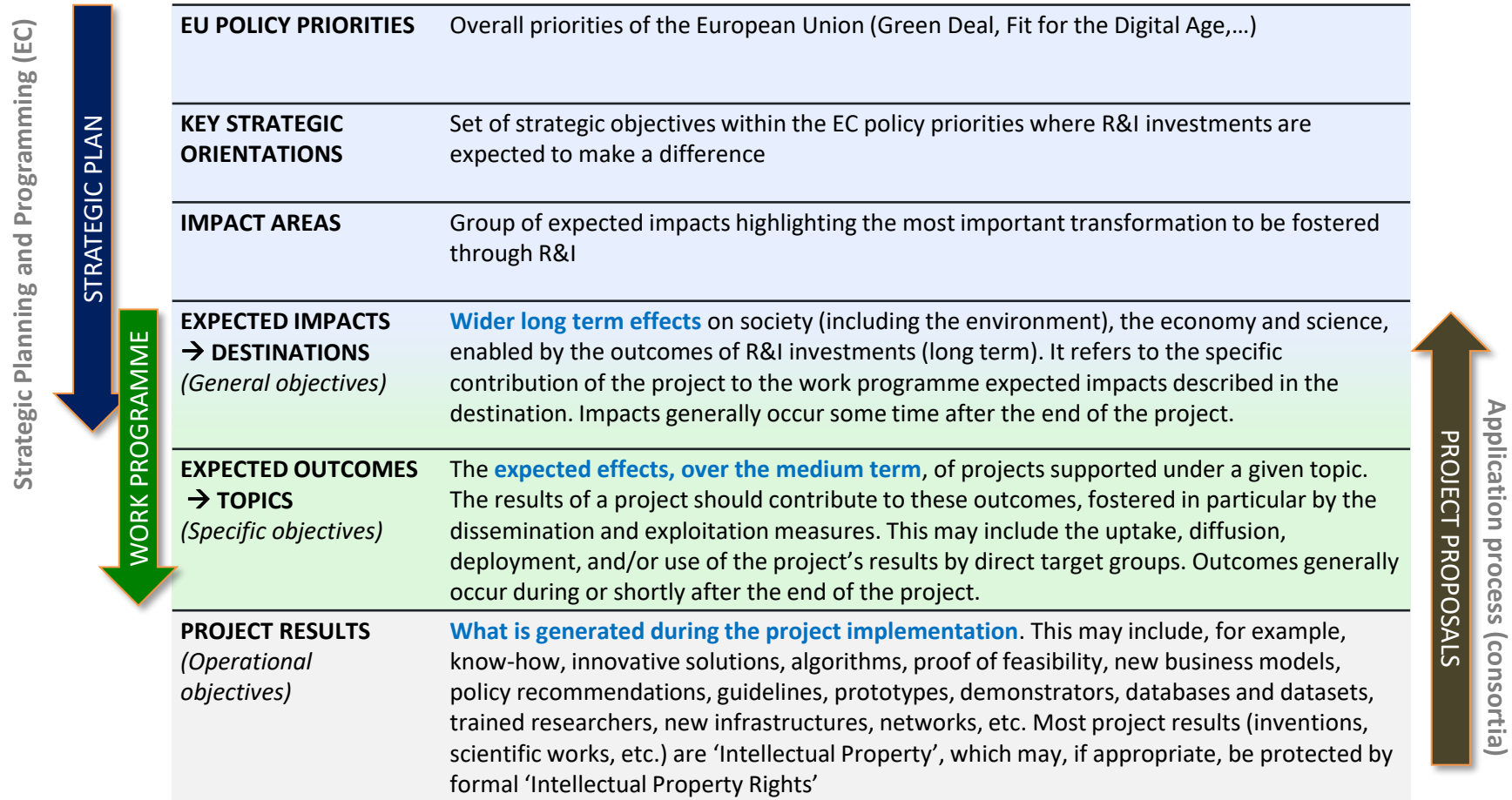
...by thinking about the specific contribution the project can make to the expected outcomes and impacts set out in the Work Programme.

## Horizon Europe

- Impact-driven Framework Programme.
- Contribution to expected outcomes (topic level), expected impacts (Destination level), other policies/initiatives (at WP level).



# Prioridades políticas → Resultados de los proyectos





# Medidas para maximizar el impacto

## Dissemination, exploitation and communication

To include a draft plan in proposal is an admissibility condition, unless the work programme topic explicitly states otherwise.

All measures should be **proportionate** to the scale of the project, and should contain **concrete actions** to be implemented both **during and after** the end of the project

### Elements of the D&E&C plan + IP management

- **Planned measures** to maximise the impact of projects
- **Target groups** (e.g. scientific community, end users, financial actors, public at large) and **proposed channels** to interact
- **Communication measures** for promoting the project and its findings throughout the full lifespan of the project
- **Policy feedback** measures to contribute to policy shaping and supporting the implementation of new policy initiatives / decisions
- Follow-up plan to foster **exploitation/uptake** of the results
  - Comprehensive and feasible strategy for the **management of the intellectual property** (the provision of a results ownership list is mandatory at the end of the project)
  - If exploitation is expected primarily in non-associated third countries, give a convincing justification that this is still in the Union's interest.



# Resumen del Impacto (Impact Canvas)



## KEY ELEMENT OF THE IMPACT SECTION

SPECIFIC NEEDS	EXPECTED RESULTS	D & E & C MEASURES	TARGET GROUPS	OUTCOMES	IMPACTS
<p><i>What are the specific needs that triggered this project?</i></p> <p><b>Example 1</b> Most airports use process flow-oriented models based on static mathematical values limiting the optimal management of passenger flow and hampering the accurate use of the available resources to the actual demand of passengers.</p> <p><b>Example 2</b> Electronic components need to get smaller and lighter to match the expectations of the end-users. At the same time there is a problem of sourcing of raw materials that has an environmental impact.</p>	<p>What do you expect to generate by the end of the project?</p> <p><b>Example 1</b> <b>Successful large-scale demonstrator:</b> <b>Successful large-scale demonstrator:</b> Trial with 3 airports of an advanced forecasting system for proactive airport passenger flow management.</p> <p><b>Algorithmic model:</b> Novel algorithmic model for proactive airport passenger flow management.</p> <p><b>Example 2</b> Publication of a <b>scientific discovery on transparent electronics</b>.</p> <p><b>New product:</b> More sustainable electronic circuits.</p> <p><b>Three PhD students trained.</b></p>	<p>What dissemination, exploitation and communication measures will you apply to the results?</p> <p><b>Example 1</b> <b>Exploitation:</b> Patenting the algorithmic model.</p> <p><b>Dissemination towards the scientific community and airports:</b> Scientific publication with the results of the large-scale demonstration.</p> <p><b>Communication towards citizens:</b> An event in a shopping mall to show how the outcomes of the action are relevant to our everyday lives.</p> <p><b>Example 2</b> <b>Exploitation of the new product:</b> Patenting the new product; Licencing to major electronic companies.</p> <p><b>Dissemination towards the scientific community and industry:</b> Participating at conferences; Developing a platform of material compositions for industry; Participation at EC project portfolios to disseminate the results as part of a group and maximise the visibility vis-à-vis companies.</p>	<p><i>Who will use or further up-take the results of the project? Who will benefit from the results of the project?</i></p> <p><b>Example 1</b> <b>9 European airports:</b> Schiphol, Brussels airport, etc.</p> <p><b>The European Union aviation safety agency.</b></p> <p><b>Air passengers (indirect).</b></p> <p><b>Example 2</b> <b>End-users:</b> consumers of electronic devices.</p> <p><b>Major electronic companies:</b> Samsung, Apple, etc.</p> <p><b>Scientific community</b> (field of transparent electronics).</p>	<p><i>What change do you expect to see after successful dissemination and exploitation of project results to the target group(s)?</i></p> <p><b>Example 1</b> <b>Up-take by airports:</b> 9 European airports adopt the advanced forecasting system demonstrated during the project.</p> <p><b>Example 2</b> <b>High use of the scientific discovery published</b> (measured with the relative rate of citation index of project publications).</p> <p><b>A major electronic company</b> (Samsung or Apple) <b>exploits/uses the new product</b> in their manufacturing.</p>	<p><i>What are the expected wider scientific, economic and societal effects of the project contributing to the expected impacts outlined in the respective destination in the work programme?</i></p> <p><b>Example 1</b> <b>Scientific:</b> New breakthrough scientific discovery on passenger forecast modelling.</p> <p><b>Economic:</b> Increased airport efficiency Size: 15% increase of maximum passenger capacity in <a href="#">European</a> airports, leading to a 28% reduction in infrastructure expansion costs.</p> <p><b>Example 2</b> <b>Scientific:</b> New breakthrough scientific discovery on transparent electronics.</p> <p><b>Economic/Technological:</b> A new market for touch enabled electronic devices.</p> <p><b>Societal:</b> Lower climate impact of electronics manufacturing (including through material sourcing and waste management).</p>



# 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 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



# 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.

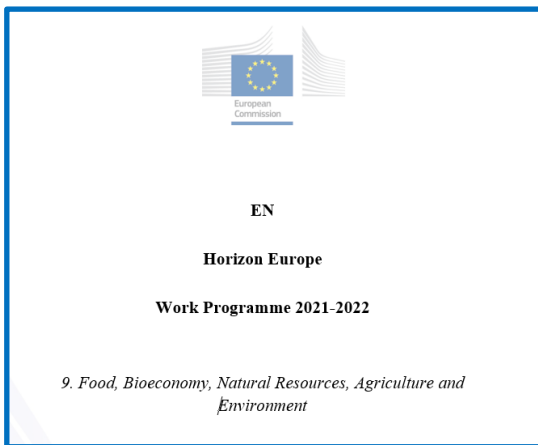
When the **integration of SSH is required**, applicants have to show the roles of these disciplines or provide a justification if they consider that it is not relevant for their project.

## Why integrating social sciences and humanity matters?

Many societal challenges that need to be addressed through research and innovation 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.

# El concepto “multi-actor approach – MAA”



## Eligibility conditions

The conditions are described in General Annex B. ....

The following additional eligibility criteria apply:

**The proposals must use the multi-actor approach. See definition of the multi-actor approach in the introduction to this work programme part.**

## Pag 19 -21 Specific requirements for multi-actor projects:

- **Multi-actor approach** is a form of responsible research and innovation RRI,
- Aims to make the **R&I process** and its outcomes more **demand-driven**, reliable and **relevant to society**.
- **More than just widely disseminating the results of a project**, or listening to the views of a board of stakeholders.
- **Genuine and sufficient involvement** of a targeted diversity of **actors, (end-) users of the project results such as** farmers / farmers' groups, foresters / foresters' groups, fishermen / fishermen's groups, advisors, food processors, businesses, consumer associations, local communities, citizens, civil society organisations including NGOs, government representatives, etc.
- **All over the whole course of the project: from** participation in project **planning** and experiments **to implementation**, dissemination of results and a possible demonstration phase.
- **Building blocks** for the project proposal are expected to come **from science as well as from practice** and from intermediaries: it is a '**co-creation**' process. **End-users and practitioners are to be involved**, not as a study-object, but to use their practical and local knowledge and/or entrepreneurial skills to develop solutions and create 'co-ownership' of results for (end-) users and practitioners.

# Requerimientos del enfoque multiactor

## Pag 19-21 - Specific requirements for multi-actor projects:

Therefore, a multi-actor project proposal **must demonstrate**:

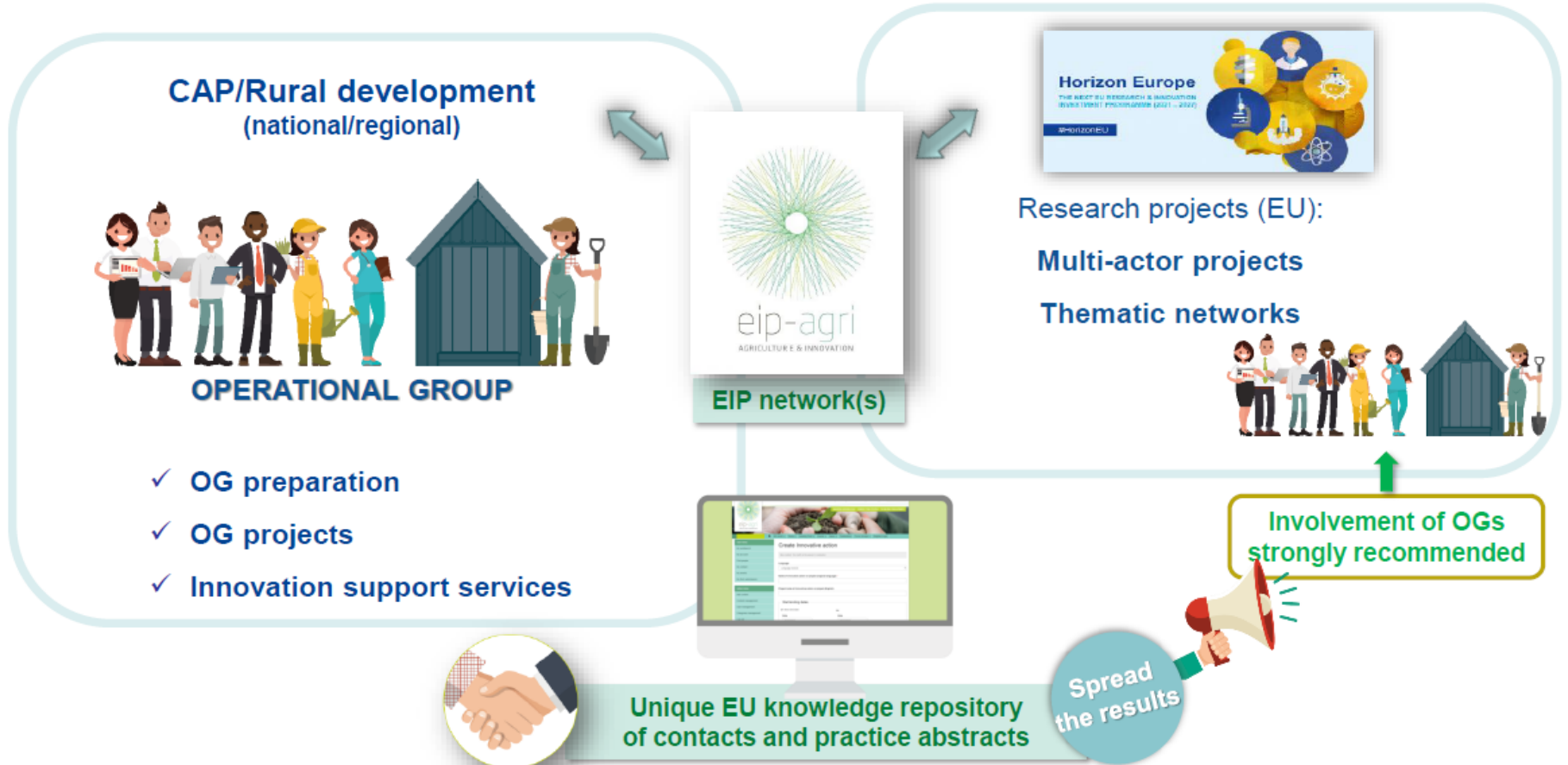
- how the **project proposal's objectives** and planning are targeting the **needs/problems** and opportunities of the **(end-)users** of the project results;
- how the description of the project concept and in particular the composition of the consortium reflects a balanced choice of key relevant actors who have **complementary types of knowledge (scientific and practical)**, and will ensure a broad implementation of project results which should be useful in practice;
- how the project intends to **include existing practices** and tacit knowledge in scientific work. This should be illustrated in the project proposal with a sufficient number of **high-quality knowledge exchange activities** indicating the precise and active roles of the different non-scientific actors in the work. Thanks to the **cross-fertilisation of competencies and ideas between actors**, this should generate innovative findings and solutions that are more likely to be applied;
- how the project will facilitate the multi-actor engagement process by making use of the most appropriate methodologies;
- the project's added value: **how the project will complement existing research and best practices**;

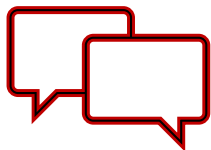
- the proposal should demonstrate how the project will **result in practical knowledge**, approaches or tools, made **easily understandable and accessible**, and how this free material for practice will feed into the **existing dissemination channels most consulted by the (end-) users** of the project results in the countries and regions;
- for topics linked to Intervention **Area 3**, for EU-wide communication, this knowledge should also be assembled in a substantial number of **'practice abstracts' in the common EIP format** of the European Innovation Partnership (EIP) 'Agricultural Productivity and Sustainability' (**EIP-AGRI**);
- for other topics, this EIP may also be used if they are covered under its innovative areas, as may other similarly effective solutions for dissemination through the main existing dissemination channels targeting (end-)users;
- for topics linked to Intervention **Area 3, involvement, as much as possible, of interactive innovation groups operating in the EIP-AGRI context, such as EIP-AGRI Operational Groups funded under Rural Development Programmes.**

The EIP common format for "**practice abstracts**" is available at:  
<https://ec.europa.eu/eip/agriculture/en/content/eip-agri-common-format>



# EIP: Conectando Horizonte Europa y la PAC (PDR)





## Algunos detalles finales...



# Regístrate como experto....

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

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

Horizon 2020 Framework Programme (H2020) | clear filter

There is currently an issue with the contact form preventing you from submitting your request. We are doing our best to resolve the issue as soon as possible. We apologize for any inconvenience caused.

Legal Entity and Bank Account validations tasks will experience issues in the Grant Management Services Services on Wednesday, 02.12.2020, between 07:30 and 08:10.

Need help?

Work as an expert

The European Union Institutions appoint external experts to assist in the evaluation of grant applications, projects and tenders, and to provide opinions and advice in specific cases.

Being an expert for the European Commission...

In particular, experts assist in:

- Evaluation of proposals, prize applications and tenders
- Monitoring of actions, grant agreements, public procurement contracts

In addition, experts provide opinion and advise on:

- Preparation, implementation and evaluation of EU programmes and design of policies.

In order to select experts, the European Union Institutions publish regularly calls for expression of interest (see list below) detailing the selection criteria, the required expertise, the description of the tasks, their duration and the conditions of remuneration.

Interested experts can join the database of external experts.

Register as expert

- You can register in the EU experts database at any time.
- Click [here](#) to register!



# Documentos clave para trabajar

## Reference documents – [Horizon Europe](#):

- [Work Programme HE- Cluster 6 2021-2022](#)
- [Horizon Europe Work Programme 2021-2022. 1. General Introduction](#)
- [Horizon Europe Work Programme 2021-2022. 13. General Annexes](#)
- [Standard Proposal template \(RIA&IA\)](#) + [Standard Application Form \(HE RIA, IA stage 1\)](#)
- [Evaluation Form RIA/IA](#)
- [Standard Proposal template \(CSA\)](#)
- [Evaluation Form CSA](#)
- [EU Funding & Tenders Online Manual EU Funding Programmes 2021-2027](#)
- [Horizon Europe – Programme Guide](#)
- [EU Grants. AGA – Annotated Model Grant Agreement](#)



# Algunos eventos.....

25-26  
Octubre

- **InfoDay Comisión**



[Event recording and presentations](#)

10  
Noviembre

- **Infoday Nacional**



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[https://eventos.cdti.es/ES/Infoday Nacional HE Cluster6 Convc2022](https://eventos.cdti.es/ES/Infoday_Nacional_HE_Cluster6_Convc2022)

Noviembre -  
Diciembre

- **Eventos difusión CCAA**

13 / Enero  
(2022)

- **Taller Coordinadores Propuestas**



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# Portal español de Horizonte Europa

<https://www.horizonteeuropa.es/>

HORIZONTE EUROPA GOBIERNO DE ESPAÑA MINISTERIO DE CIENCIA E INNOVACIÓN

CIENCIA EXCELENTE DESAFÍOS MUNDIALES EUROPA INNOVADORA WIDENING-ERA MÁS EUROPA

Plan de Incentivación para la participación española en Horizonte Europa [Leer más >](#)

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La Comisión Europea adopta el Programa de Trabajo principal Horizonte Europa para 2021-2027 [Leer más >](#)

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CÓMO PARTICIPAR

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# ¿Qué podemos hacer los NCPs por vosotros?



**LA IDEA**



**ENCAJE EN TOPIC**



**EL CONSORCIO**



**LA PROPUESTA**



**PROYECTO**



**EL ACUERDO**



**EVALUACIÓN**



**EL ENVÍO**



**REVISION**



# NCPs del Clúster 6

Puntos nacionales de contacto

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## Clúster 6

# Conclusiones

**Plan de Igualdad de Género (GEP) en las convocatorias del 2022**

***“Pathways to impact”***: Resultados → *Outcomes (topic)* → *Impacts (destination)*

**IMPORTANTE: Aspectos transversales** (ciencia abierta, dimensión de género, el principio DNSH, el enfoque multiactor, etc)



+ info sobre programas y ayudas  
para la  
internacionalización de la I+D+i española



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