

#innovacion  
#ayudascdti  
#asesoramiento  
#internacionalizacion



@CDTIoficial

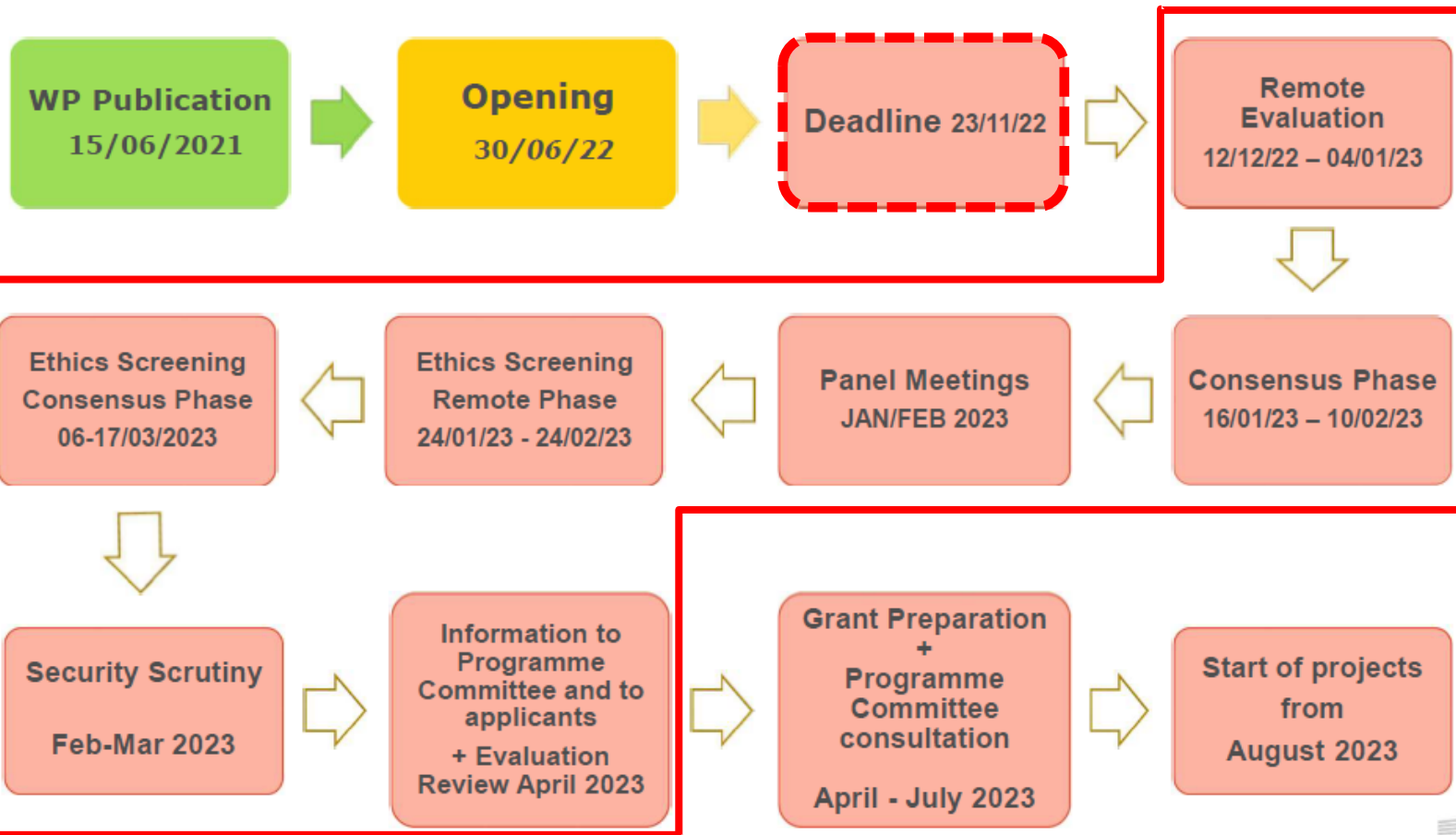
# La evaluación de las propuestas en cluster-3: Errores frecuentes y recomendaciones



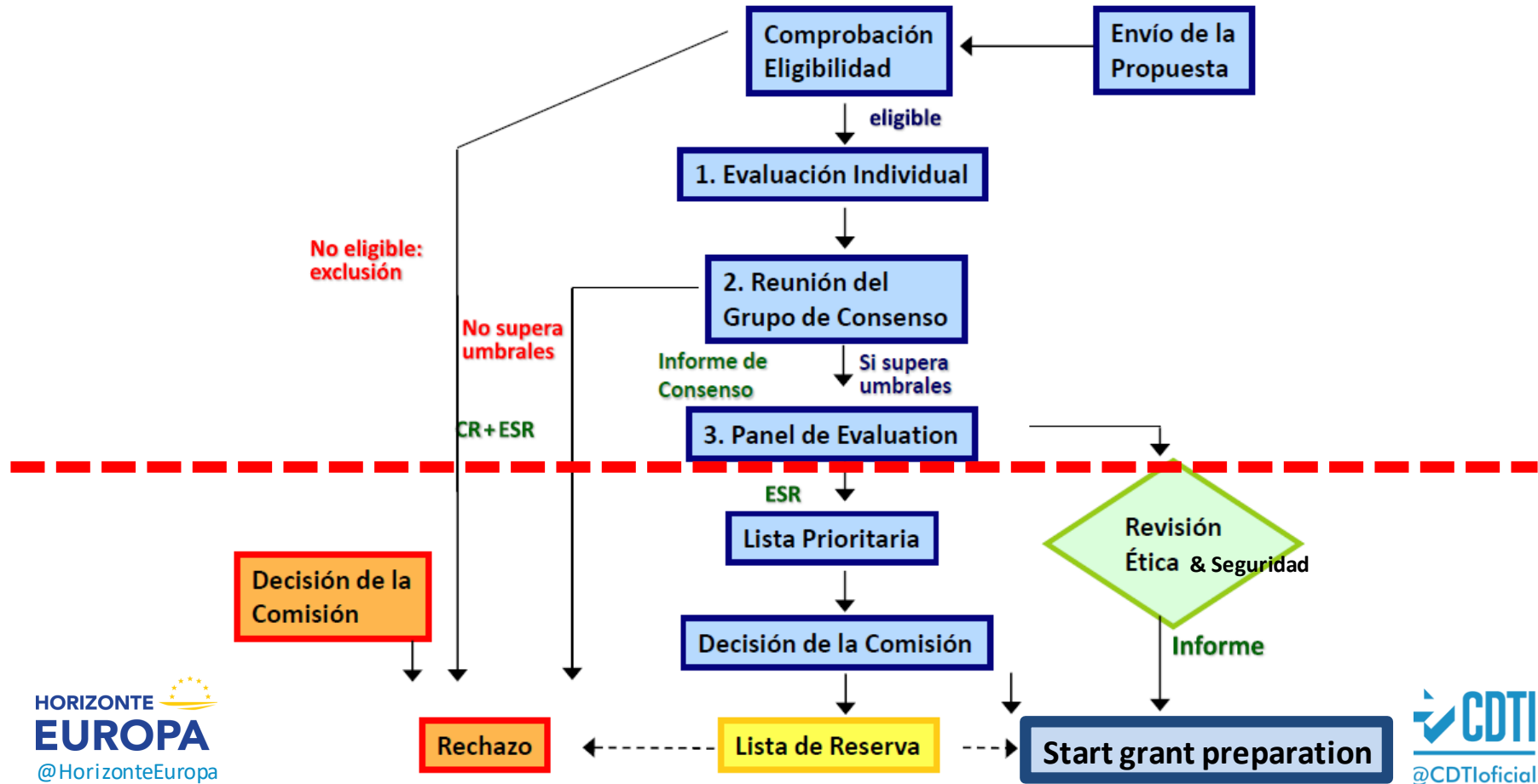
Maite Boyero, CDTI  
Ainara Ripa, INTA  
Marina Martínez, CDTI

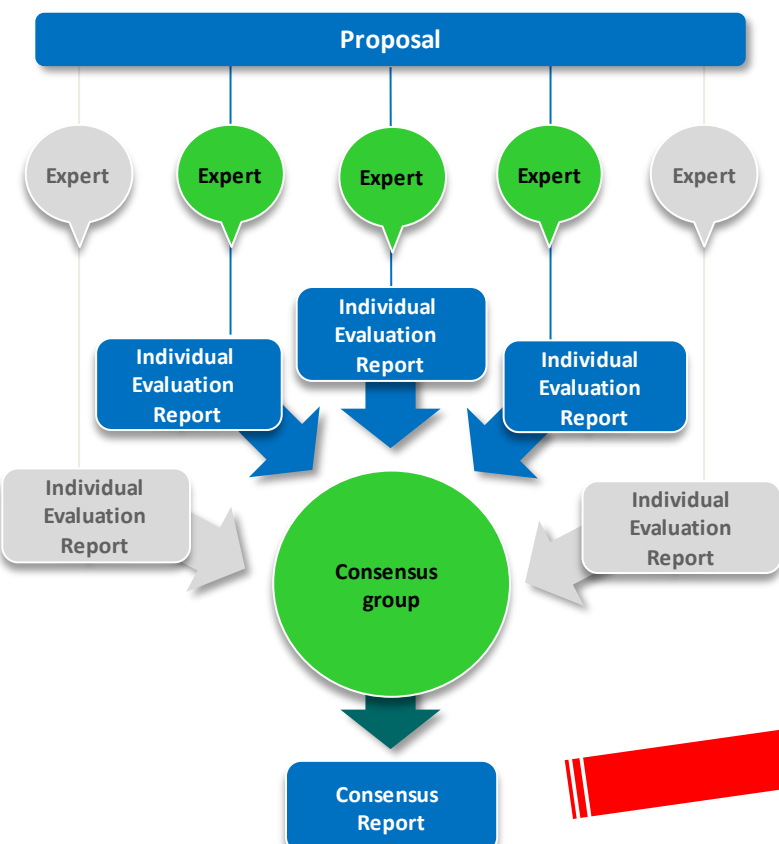
**Ciclo de la evaluación de propuestas colaborativas... Sigue igual que en 2021!**

# Calendario de la convocatoria 2022...



# Recordemos cómo es el proceso de evaluación...





Eligible proposal

Minimum 3 experts

Individual evaluation

Consensus

Y el resultado...

Country	Total Cost	%	Cost Requested
UK	470,000	0.00%	470,000
ES	188,700	3.77%	188,700
IT	321,000	6.42%	321,000
PL	271,250	5.42%	271,250
DE	328,000	6.56%	328,000
UK	107,500	2.15%	107,500
ES	274,750	5.49%	274,750
IT	100,000	2.00%	100,000
PL	243,000	4.86%	243,000
DE	200,800	4.01%	200,800
UK	140,000	2.80%	140,000
ES	191,250	3.82%	191,250
IT	156,100	3.12%	156,100
PL	80,500	1.61%	80,500
DE	177,500	3.55%	177,500
UK	96,875	1.94%	96,875
ES	72,000	1.44%	72,000
IT	8,000,000	1.60%	8,000,000

**Evaluation Summary Report**  
 Total score: 14.50 (Threshold: 10)

De los comentarios del Consensus Report deriva el informe de resultado de la evaluación que recibe el coordinador (**ESR, Evaluation Summary Report**) → Resumen de cada criterio con justificación (lenguaje “esmerado” y “cuidado”) y puntuación. **En HE se ha pedido a la EC que los ESR den info más detallada... no siempre se ha conseguido (Call-2021)!**

**Y los criterios de evaluación se han simplificado!**

# RECORDEMOS: Criterios para RIA & IA en H2020...

<p>Excellence (to the extent that the proposal addresses the WP topic)</p>	<p>Impact</p>	<p>Quality and efficiency of the implementation</p>
<ul style="list-style-type: none"> <li>• Clarity and pertinence of the objectives;</li> <li>• Soundness of the concept, and credibility of the proposed methodology;</li> <li>• Extent that the proposed work is beyond the state of the art, and <u>demonstrates innovation potential</u> (e.g. ground-breaking objectives, novel concepts and approaches, new products, services or business and organisational models)</li> <li>• Appropriate consideration of interdisciplinary approaches and, where relevant, <del>use of stakeholder knowledge</del> <b>and gender dimension in research and innovation content.</b></li> </ul>	<ul style="list-style-type: none"> <li>• The extent to which the outputs of the project <u>would contribute to each of the expected impacts</u> mentioned in the work programme under the relevant topic;</li> <li>• Any substantial impacts not mentioned in the work programme, that would enhance innovation capacity; create <u>new market opportunities</u>, strengthen <u>competitiveness and growth of companies</u>, address issues related to climate change or the environment, or bring other important benefits for society;</li> <li>• Quality of the proposed measures to:               <ul style="list-style-type: none"> <li>○ <u>Exploit and disseminate</u> the project results (including management of IPR), and to <u>manage research data</u> where relevant.</li> <li>○ <u>Communicate</u> the project activities to different target audiences</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Quality and effectiveness of the work plan, including extent to which the resources assigned to work packages are in line with their objectives and deliverables;</li> <li>• Appropriateness of the management structures and procedures, including <u>risk and innovation management</u>;</li> <li>• Complementarity of the participants and extent to which the <u>consortium</u> as whole brings together the necessary expertise;</li> <li>• Appropriateness of the allocation of tasks, ensuring that all participants have a valid role and adequate resources in the project to fulfil that role.</li> </ul>

**NEW in  
Calls 2018-2020**

# ATENCIÓN: Criterios para RIA & IA en Horizon Europe

## 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, 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.

*NB: New approach to impact: Key Impacts Pathways (KIPs)*

## 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

*NB: 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.*

En cada apartado veremos la check-list que sigue el evaluador, además de estos sub-criterios indicados en la "información pública"!



## RECORDEMOS: Criterios para CSA en H2020...

<p>Excellence (to the extent that the proposal addresses the WP topic)</p>	<p>Impact</p>	<p>Quality and efficiency of the implementation</p>
<ul style="list-style-type: none"> <li>• Clarity and pertinence of the objectives;</li> <li>• Soundness of the concept, and credibility of the proposed methodology;</li> <li>• Quality of the proposed coordination and/or support measures.</li> </ul>	<ul style="list-style-type: none"> <li>• The extent to which the outputs of the project would contribute to each of the expected impacts mentioned in the work programme under the relevant topic;</li> <li>• Quality of the proposed measures to:                             <ul style="list-style-type: none"> <li>○ <u>Exploit and disseminate</u> the project results (including management of IPR), and to <u>manage research data</u> where relevant.</li> <li>○ <u>Communicate</u> the project activities to different target audiences</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Quality and effectiveness of the work plan, including extent to which the resources assigned to work packages are in line with their objectives and deliverables;</li> <li>• Appropriateness of the management structures and procedures, including <u>risk and innovation management</u>;</li> <li>• Complementarity of the participants and extent to which the <u>consortium</u> as whole brings together the necessary expertise;</li> <li>• Appropriateness of the allocation of tasks, ensuring that all participants have a valid role and adequate resources in the project to fulfil that role.</li> </ul>

# ATENCIÓN: Criterios para CSA en Horizon Europe

## Excellence

- ✓ Clarity and pertinence of the project's objectives.
- ✓ Quality of the proposed coordination and/or support measures including soundness of methodology.

## 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.

*NB: New approach to impact: Key Impacts Pathways (KIPs)*

## 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

*NB: 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.*

## Interpretación de las puntuaciones

0 The proposal fails to address the criterion or cannot be assessed due to **missing or incomplete** information.

1 **Poor.** The criterion is inadequately addressed, or there are serious inherent **weaknesses**.

2 **Fair.** The proposal broadly addresses the criterion, but there are significant **weaknesses**.

3 **Good.** The proposal addresses the criterion well, but a number of **shortcomings** are present.

4 **Very Good.** The proposal addresses the criterion very well, but a small number of **shortcomings** are present.

5 **Excellent.** The proposal successfully addresses all relevant aspects of the criterion.  
**Minor Shortcomings.**

The threshold for the individual criteria is 3. The overall threshold, applying to the sum of the 3 individual scores, is 10 points.

**Y qué cosas son nuevas...**

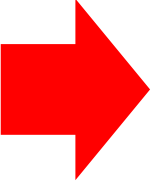
### Proposal submission and evaluation – main ‘innovations’ proposed in HE

- **Proposal template:** Less information requested (in line with criteria); reference to external sources where possible (eg. Researchers’ ID); substantial reduction in maximum length;
- Anonymised first stage proposals (**‘blind evaluation’**): one or more pilots in early calls of HE; → **Se ha implementado en algunos topics del Cluster-1 Health...**
- **‘Right to react’** (rebuttal) pilot: greater transparency and more detailed feedback; → **Se ha llegado a implementar en la call-2021 de EIC-Pathfinder-OPEN...**
- **Portfolio-based calls** (esp. missions, EIC pathfinder): develop new modalities (e.g. evaluation of intrinsic quality, then invoke portfolio considerations, to be spelled out in WP); → **Se ha llegado a implementar en la call-2021 de EIC-Pathfinder-CHALLENGES...**

# Evaluation criteria

*The draft Horizon Europe rules set the same three award criteria we have in Horizon 2020: 'Excellence', 'Impact' and 'Quality and efficiency of the implementation'. **Excellence** only for ERC,*

These will be spelled out, taking into account the lessons learnt:

- 
- Simplify and reduce the number of 'aspects to be taken into account', where possible, ensuring that the same aspect is not assessed twice;
  - New approach to impact: Key Impacts Pathways (KIPs)
  - Include an assessment of the quality of applicants under 'implementation', rather than as a separate binary assessment of operational capacity;
  - Remove assessment of management structures.

**¡ATENCIÓN!**

# Finalmente...¿qué pasa en caso de empate?

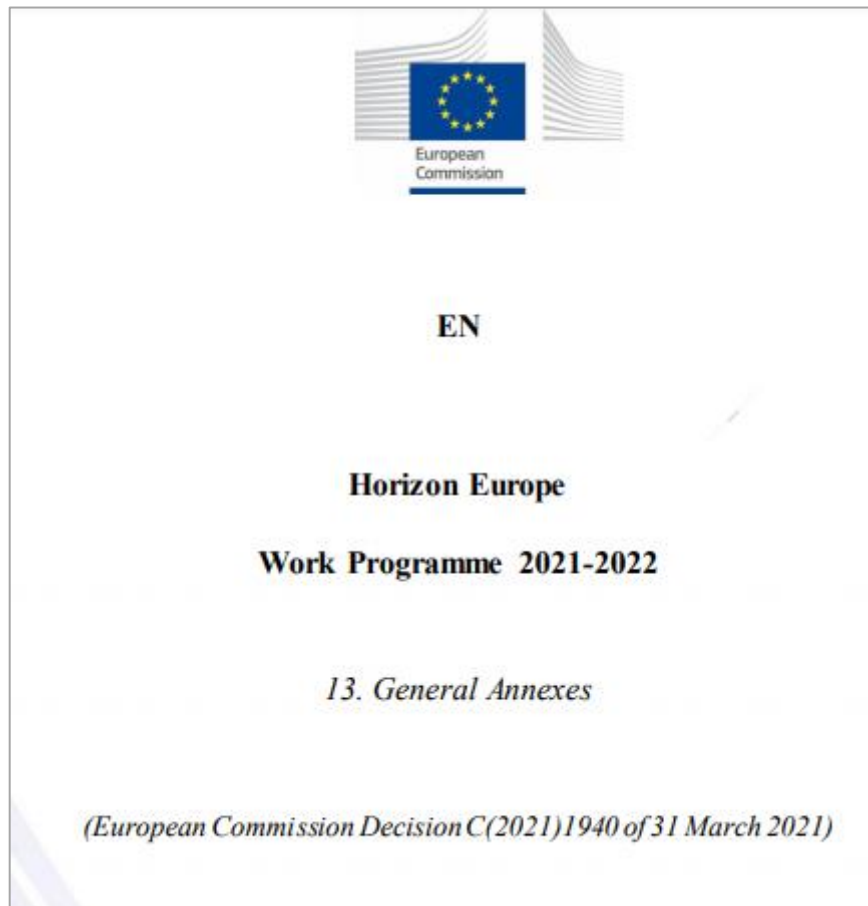
For proposals with the same score within a single budget envelope (with the exception of the first stage of two-stage submissions) a method to establish the **priority order** will be determined, taking into consideration the objectives of the specific topic. In the absence of spec arrangements in the specific call conditions, the following method will apply:

For each group of proposals with the same score, starting with the group achieving the highest score and continuing in descending order:

- 1) Proposals that address aspects of the call that have not otherwise been covered by more highly ranked proposals will be considered have the highest priority.
- 2) The proposals identified under 1), if any, will themselves be prioritised according to the scores they have been awarded for 'Excellence'. When these scores are equal, priority will be based on scores for 'Impact'. In the case of 'Innovation actions', priority will be given to the score for 'Impact', followed by that for 'Excellence'.
- 3) If necessary, the gender balance among the personnel named in the proposal who will be primarily responsible for carrying out the research and/or innovation activities, and who are included in the researchers table in the proposal, will be used as a factor for prioritisation.
- 4) If necessary, any further prioritisation will be based on geographical diversity, defined as the number of Member States or Associated Countries represented in the proposal, not otherwise receiving funds from projects higher up the ranking list (and if equal in number, then by budget).
- 5) If a distinction still cannot be made, the panel may decide to further prioritise by considering other factors related to the objectives of the call, or to Horizon Europe in general. These may include, for example, enhancing the quality of the project portfolio through synergies between projects or, where relevant and feasible, involving SMEs. These factors will be documented in the panel report.
- 6) The method described in 1), 2), 3) and 4) will then be applied to the remaining equally ranked proposals in the group.



[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)





**Sobre aspectos generales de los topics de  
la call-2022...**

# Gender dimension in R&I content

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

Topics flagged as not gender relevant

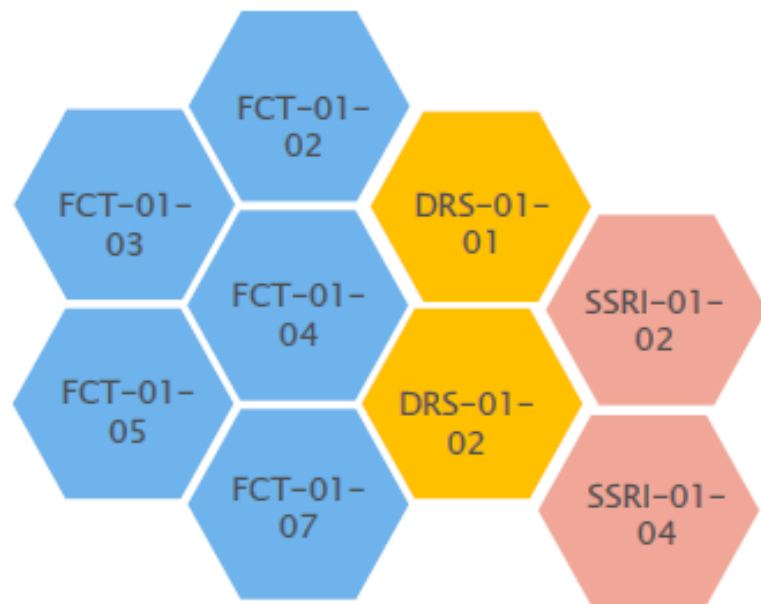


# Social Sciences and Humanities (SSH)

## CL3 Topics flagged as SSH relevant

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.**

A proposal without a sufficient contribution/integration of SSH research and competences will receive a lower evaluation score.



# International Cooperation

## Topics where International Cooperation is envisaged

To achieve the right balance between the need to exchange with key international partners (including with relevant international organisations) while at the same time ensuring the protection of the EU security interest

Cooperation can include sharing knowledge, experiences, expertise and mutual learning

International cooperation is explicitly encouraged only where appropriate and specifically supporting ongoing collaborative activities



# Lump Sum topics

Lump sum evaluation and grant agreement follow standard approach with the same:

- ✓ Evaluation criteria
- ✓ Pre-financing and payment scheme
- ✓ Reporting periods and technical reporting, **though focusing on completion of work packages**

One lump sum share is fixed in the grant agreement for each work package:

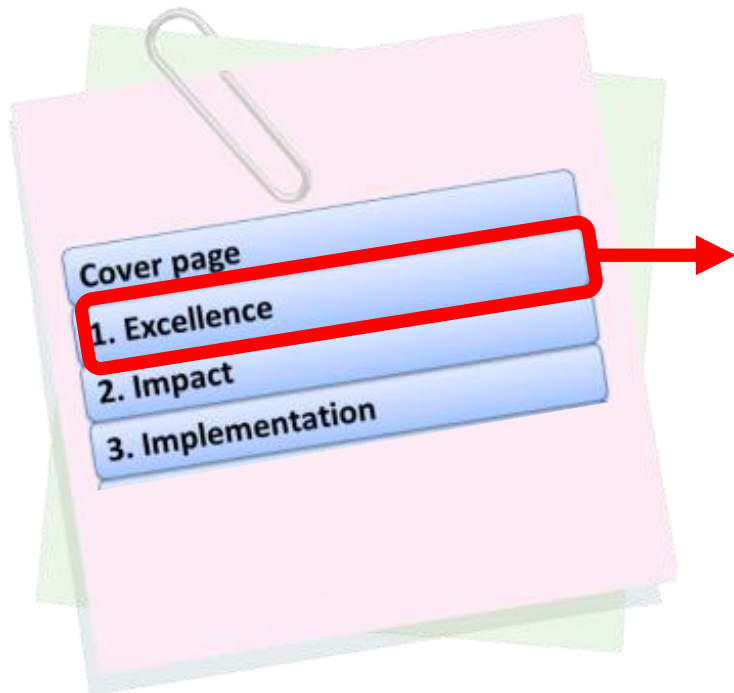
Work package completed payment

- Payments do not depend on a successful outcome, but on the completion of activities
- Work packages can be modified through amendments (e.g. to take into account new scientific developments)

## CL3 Topics flagged for Lumps SUM



# **Aspectos en la sección “Excellence”**



## 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 disciplinary (link to the consortium composition)
- SSH
- Gender dimension (sex/gender analysis)
- Open science
- DMP
- Others...

## Parte-B

### Memoria Técnica

**ATENCIÓN:** Descargarse patrón y seguirlo,  
ya que **hay cambios constantes de call a  
call y en según qué topics!**

# **Subsection**

## **1.1 Objectives and ambition**



# ... Qué nos pide el template

## 1.1 Objectives and ambition [e.g. 4 pages]

- Briefly **describe the objectives** of your proposed work. Why are they pertinent to the work programme topic? Are they measurable and verifiable? Are they realistically achievable?
- Describe **how your project goes beyond the state-of-the-art** and the extent the proposed work is **ambitious**. Indicate any exceptional ground-breaking R&I, novel concepts and approaches, new products, services or business and organisational models. Where relevant, illustrate the advance by referring to products and services already available on the market. Refer to any patent or publication search carried out.
- Describe **where the proposed work is positioned in terms of R&I maturity** i.e. where it is situated in the spectrum from 'idea to application', or from 'lab to market'). Where applicable, provide an indication of the Technology Readiness Level, if possible distinguishing the start and by the end of the project.

⚠ *Please bear in mind that advances beyond the state of the art must be interpreted in the light of the positioning of the project. Expectations will not be the same for RIAs at lower TRL, compared with Innovation Actions at high TRLs.*

## Sobre los “objectives”...

Descripción de los objetivos a cumplir → Los objetivos deben ser **Medibles, Específicos, Temporalmente acotados y Alcanzables (META)** ... y, sobre todo, **POCOS!!!**



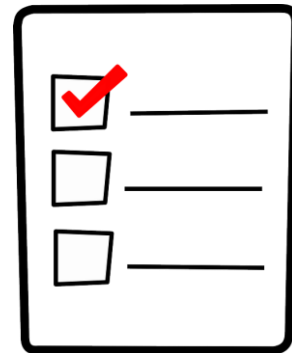
- Objetivos técnicos / tecnológicos → Para conseguir el resultado o solución prometida debemos: Investigar, desarrollar, etc...
- Objetivos económicos → Establecer si se trata de, p.e., de reducción de costes respecto a los actuales, o bien conseguir directamente un determinado coste de prototipo...
- Otro tipo de objetivos...



## Sobre la descripción de los “objectives”...

### • Clarity and pertinence of the project objectives;

- Es necesario **cubrir todos los objetivos el topic**, a no ser que se indique lo contrario (ej. topis con distintos sub-topics). → Las propuestas que han conseguido una nota alta en excelencia:
  - 1.- NO solamente cubren el topic sino que van más allá y demuestran cómo y porqué
  - 2.- Presentan un muy buen análisis del estado del arte y demuestran que irán más allá de éste.
- Recomendable integrar **métricas** (KPIs) que puedan ser medibles sobre el nivel de cumplimiento de los objetivos del proyecto.
- ATENCIÓN que en algunos topics los **aspectos de género o éticos y sociales** son la parte central (objetivos principales) de la propuesta y no algo residual!!!!



# Sobre la descripción de los “objectives”...

## 1.1 OBJECTIVES

The vision of [REDACTED] is to provide a multidimensional yet installation-specific Situational Awareness platform to help port operators anticipate and withstand potential cyber, physical or combined threats to their freight and cargo business and to the safety of their employees, visitors, passengers and citizens in the vicinity. This will be achieved by accomplishing the following operational objectives:

Objective Description	KPI	Target
<b>O1. To analyse the ports current vulnerabilities and risks:</b> [REDACTED] will use the results of previous dedicated projects (e.g. CYSM, MEDUSA, MITIGATE) which analysed the EU ports real physical and cyber vulnerabilities and risks in order to assess and adapt their results to the ports current protection systems	Approval # of risk and vulnerability assessment methodology by a number of security experts	5
	# of security experts involved	12
	# of main Forums during the project	4
	# of LEAs involved	5
	# of Port Authorities involved	10
	# of first responder and agencies involved	5
<b>O2. To produce a multidimensional and scalable SA platform:</b> To develop (to TRL7) and test a multidimensional and scalable SA platform easily deployable for EU ports comprising a Physical Situation Awareness (PSA) application, a Cyber Situation Awareness (CSA) application and a Hybrid Situation	# of port private concessions connected to [REDACTED] PSA	5
	# of port private concessions connected to [REDACTED] CSA	5
	Surface covered by the PSA in [REDACTED] (m <sup>2</sup> )	4.900.000
	# Gigabit per sec (bandwidth) monitored by the CSA	10

# Recursos para mejorar la presentación de nuestro SoA...

The image displays three overlapping screenshots of the European Commission's 'Funding & tender opportunities' website, specifically the Single Electronic Data Interchange Area (SEDIA).

**Top Screenshot: Horizon Dashboard**  
The page title is 'Funding & tender opportunities' with the subtitle 'Single Electronic Data Interchange Area (SEDIA)'. It features a 'Horizon Dashboard' section with a description: '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:' followed by a list of features:

- Easy access to overview and detailed information on proposals, funded projects and project results, notably reported IPRs 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

**Middle Screenshot: Programme for the Environment and Climate Action (LIFE)**  
This screenshot shows the 'Programme for the Environment and Climate Action (LIFE)' page. It includes a navigation bar with 'SEARCH FUNDING & TENDERS', 'HOW TO PARTICIPATE', 'PROJECTS & RESULTS', 'WORK AS AN EXPERT', and 'SUPPORT'. A warning 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.'

**Bottom Screenshot: Projects & Results**  
This screenshot shows the 'Projects & Results' section. It includes a 'Programming period' dropdown set to '2014-2020'. Below it, a list of programs is shown: 'Creative Europe (CREA)', 'European Defence Industrial Development Programme (EDIDP)', 'EU Aid Volunteers Programme (EUAID)', 'European Solidarity Corps (ESC)', 'Erasmus+ Programme (EPLUS)', and 'Europe For Citizens (EFC)'. The 'Programme for the Environment and Climate Action (LIFE)' is selected. A search bar is present with the text 'Type your keyword...'. Below the search bar, there are three main sections:

- LIFE datahub**: 'The most successful LIFE projects achieving the greatest benefits for the environment and climate'. It includes a map of Europe with project locations.
- Project database**: 'Factsheets, brochures and documents about the LIFE programme and its projects.' It includes a thumbnail image of a document.
- Natura 2000 Network viewer**: 'Country factsheets, country evaluations and LIFE National Contact Points.' It includes a map of Europe.

**Bottom Left: Horizonte Europa @HorizonteEuropa**  
The logo for 'HORIZONTE EUROPA @HorizonteEuropa' is displayed, featuring the European Union flag and the text 'HORIZONTE EUROPA @HorizonteEuropa'.



# Recursos para mejorar la presentación de nuestro SoA...

**Latest CORDIS Results Packs**

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

1 March 2022

19 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

<b>HEALTH</b>  6 922 results	<b>INDUSTRIAL TECHNOLOGIES</b>  5 941 results	<b>CLIMATE CHANGE AND ENVIRONMENT</b>  5 160 results	<b>DIGITAL ECONOMY</b>  3 835 results
<b>ENERGY</b>  2 616 results	<b>FUNDAMENTAL RESEARCH</b>  2 014 results	<b>SOCIETY</b>  1 636 results	<b>FOOD AND NATURAL RESOURCES</b>  1 167 results
<b>TRANSPORT AND MOBILITY</b>  766 results	<b>SECURITY</b>  414 results	<b>SPACE</b>  536 results	

European Commission

English

Search

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

Climate ADAPT

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 14 days

**Mo**

**7. Mar.**

**European Climate Conference**

Mar 07, 2022 - Mar 08, 2022

Nantes, France

The European Climate Conference, organised by the French, the EU Member States, the European Commission and the EUS Business and local governments. Among others, the conference will focus on the French presidency of the Council of the European Union, the European Green Deal, the European Climate Pact, and the European Climate Pact.

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

of representatives of the community, climate change, in report.

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

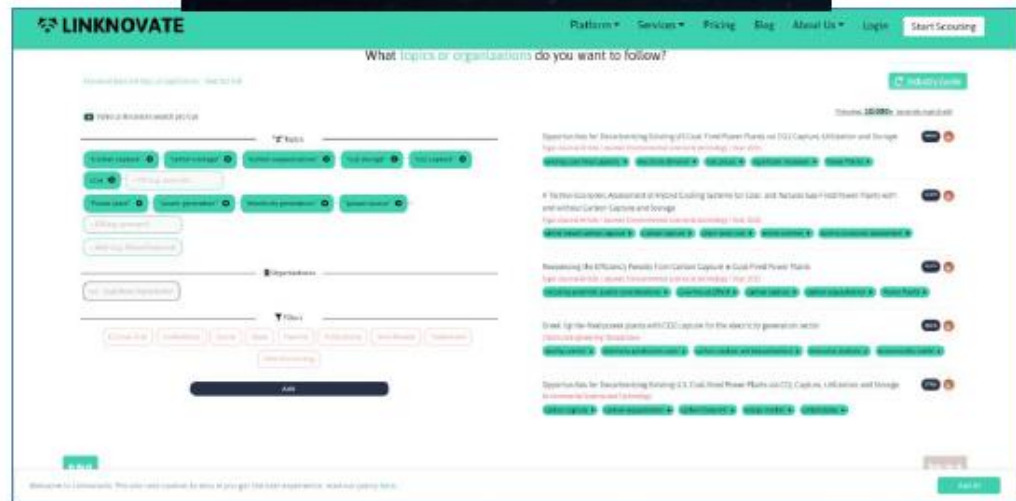
NEWS | 10 May 2021 | Brussels, Belgium | Research and Innovation

## R&I for the digital transformation of the water sector

Three latest case studies provide feedback to policymakers 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 is a green Europe - EU 162020 research contribution to the implementation and effectiveness of EU environmental policy
- Business models for digital water systems - A study on the development of business models of digital solutions related to ICT-enabled circular projects
- ICT-enabled water - Vision and implementation

# Recursos para mejorar la presentación de nuestro SoA...



# Cómo posicionar nuestra propuesta...

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





# Cómo posicionar nuestra propuesta...

SRL 1 – Identifying problema and societal readiness	1	• TRL 1 – Basic principles observed
SRL 2 – Formulation of problema. Propose solutions and potential impact.	2	• TRL 2 – Technology concept formulated
SRL 3 – Initial testing of proposed solutions	3	• TRL3 – Experimental proof of concept
SRL 4 – Pilot testing in relevant environment	4	• TRL4 – Technology validated in a lab
SRL 5 – Proposed solutions validated by relevant stakeholders	5	• TRL 5 – Technology validated in a relevant environment
SRL 6 – Solutions demonstrated in relevant environment and with relevant stakeholders	6	• TRL 6 - Technology demonstrated in a relevant environment
SRL 7 – Refinement of project and solution (retesting..)	7	• TRL 7 – System prototype demonstration in an operational env.
SRL 8 – Proposed solutions and plan for societal adaptation complete and qualified	8	• TRL 8 – System complete and qualified
SRL 9 – Actual project solutions proven in relevant env.	9	• TRL 9 – Actual system proven in an operational environment

Ejemplo

# Checklist que siguen los evaluadores...

## CRITERION 1 - EXCELLENCE

---

### 1.1 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.

The paragraph must always start with a general assessment introduced by the following opening statement: "The clarity and pertinence of the proposed project's objectives, and the extent to which the proposed work is ambitious, and goes beyond the state of the art are poor / fair / good / very good / excellent".

Then:

- 1.1.1. Assess whether the objectives are clear, realistically achievable, measurable and verifiable. If the call does not expressly require quantified objectives, no penalisation should be given for non-quantified objectives.
- 1.1.2. Assess whether the proposal addresses the scope and the requirements of the topic. Depending on the topic, in case there are multiple bullet points under the "scope", assess if these bullet points are addressed in line with the topic requirements (i.e. all bullet points must be addressed, some bullet points must be addressed, at least a minimum number of bullet points must be covered, etc).
- 1.1.3. Assess whether the state of the art is appropriately established. Then assess how the proposal goes beyond the state-of-the-art. For example, are there appropriate references to products and services already available on the market?
- 1.1.4. Assess the credibility of the proposed work's ambition. For instance, are there any exceptional ground-breaking R&I, novel concepts and approaches, new products, services or business and organisational models? Assess whether the advancement in R&I is credible. In case the credibility of the Technology Readiness Level<sup>1</sup> (TRL) by the end of the project is not convincing, a shortcoming should be included and a more specific explanation needs to be provided on why the proposed final TRL levels are not convincing, if possible distinguishing between the TRL at the start and at the end of the project.

# **Subsection 1.2 Methodology**

# ... Qué nos pide el template

## 1.2 Methodology [e.g. 14 pages]

- Describe and explain the overall methodology, including the concepts, models and assumptions that underpin your work. Explain how this will enable you to deliver your project's objectives. Refer to any important challenges you may have identified in the chosen methodology and how you intend to overcome them. [e.g. 10 pages]

⚠ This section should be presented as a narrative. The detailed tasks and work packages are described below under 'Implementation'.

⚠ Where relevant, include how the project methodology complies with the 'do no significant harm' principle as per Article 17 of [Regulation \(EU\) No 2020/852](#) on the establishment of a framework to facilitate sustainable investment (i.e. the so-called 'EU Taxonomy Regulation'). This means that the methodology is designed in a way it is not significantly harming any of the six environmental objectives of the EU Taxonomy Regulation.

- Describe any national or international research and innovation activities whose results will feed into the project, and how that link will be established; [e.g. 1 page]
- Explain how expertise and methods from different disciplines will be brought together and integrated in pursuit of your objectives. If you consider that an inter-disciplinary approach is unnecessary in the context of the proposed work, please provide a justification. [e.g. 1/2 page]

For topics where the work programme indicates the need for the integration of social sciences and humanities, show the role of these disciplines in the project or provide a justification if you consider that these disciplines are not relevant to your proposed project. [e.g. 1/2 page]

Describe how the gender dimension (i.e. sex and/or gender analysis) is taken into account in the project's research and innovation content [e.g. 1 page]. If you do not consider such a gender dimension to be relevant in your project, please provide a justification.

⚠ Note: This section is mandatory except for topics which have been identified in the work programme as not requiring the integration of the gender dimension into R&I content.

⚠ Remember that that this question relates to the content of the planned research and innovation activities, and not to gender balance in the teams in charge of carrying out the project.

⚠ Sex and gender analysis refers to biological characteristics and social/cultural factors respectively. For guidance on methods of sex / gender analysis and the issues to be taken into account, please refer to [https://ec.europa.eu/info/news/gendered-innovations-2-2020-nov-24\\_en](https://ec.europa.eu/info/news/gendered-innovations-2-2020-nov-24_en)

- Describe how appropriate open science practices are implemented as an integral part of the proposed methodology. Show how the choice of practices and their implementation are adapted to the nature of your work, in a way that will increase the chances of the project delivering on its objectives [e.g. 1 page]. If you believe that none of these practices are appropriate for your project, please provide a justification here.

⚠ 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. Open science practices include early and open sharing of research (for example through preregistration, registered reports, pre-prints, or crowd-sourcing); research output management; measures to ensure reproducibility of research outputs; providing open access to research outputs (such as publications, data, software, models, algorithms, and workflows); participation in open peer-review; and involving all relevant knowledge actors including citizens, civil society and end users in the co-creation of R&I agendas and contents (such as citizen science).

⚠ Please note that this question does not refer to outreach actions that may be planned as part of communication, dissemination and exploitation activities. These aspects should instead be described below under 'Impact'.

- Research **data management and management of other research outputs:** Applicants generating/collecting data and/or other research outputs (except for publications) during the project must provide maximum 1 page on how the data/ research outputs will be managed in line with the FAIR principles (Findable, Accessible, Interoperable, Reusable), addressing the following (the description should be specific to your project): [1 page]

⚠ Proposals selected for funding under Horizon Europe will need to develop a detailed data management plan (DMP) for making their data/research outputs findable, accessible, interoperable and reusable (FAIR) as a deliverable by month 6 and revised towards the end of a project's lifetime.

⚠ For guidance on open science practices and research data management, please refer to the relevant section of the [HE Programme Guide](#) on the Funding & Tenders Portal.



@CDTIoficial

## Algunas recomendaciones para este sub-apartado...


Descripción **breve** y concisa sobre cuál es el problema y **en qué consiste la solución** que proponemos:

- **Naturaleza de la solución:** ¿Es un dispositivo, una plataforma IT, una metodología, un estudio con recomendaciones, una propuesta de estándar?
- Descripción sucinta de **sus componentes** → Partes o de las que está formada o elementos que lo componen.
- **Qué es lo que provee (y lo que no)** y si ello es una solución total o sólo parcial al problema.
- En qué **condiciones de trabajo** y contextos en los que la solución es operativa.

P.e., con una tabla (estimativa) de prestaciones, limitaciones, rangos operativos...

## Algunas ideas/ recomendaciones para este sub-apartado...

- **No repetir conceptos** y apoyarse en figuras y resúmenes de lo más destacado de esa sección (sin abusar).
- **Atención IAs:** Si solamente se centran en integración de tecnología y no intentar ir más allá del estado del arte, **obtendrán una nota baja en Excelencia** y ese fue el factor clave a la hora de resultar financiada una propuesta o no.
- Explicar cómo se va a llegar al nivel de **TRL final prometido o bien el TRL que se pide en el topic**. → TRL objetivo final debe ser acorde con los resultados finales del proyecto y debe poder ser contrastado.



<b>TRL 0:</b>	<b>Idea.</b> Unproven concept, no testing has been performed.
<b>TRL 1:</b>	<b>Basic research.</b> Principles postulated and observed but no experimental proof available.
<b>TRL 2:</b>	<b>Technology formulation.</b> Concept and application have been formulated.
<b>TRL 3:</b>	<b>Applied research.</b> First laboratory tests completed; proof of concept.
<b>TRL 4:</b>	<b>Small scale prototype</b> built in a laboratory environment ("ugly" prototype).
<b>TRL 5:</b>	<b>Large scale prototype</b> tested in intended environment.
<b>TRL 6:</b>	<b>Prototype system</b> tested in intended environment close to expected performance.
<b>TRL 7:</b>	<b>Demonstration system</b> operating in operational environment at pre-commercial scale.
<b>TRL 8:</b>	<b>First of a kind commercial system.</b> Manufacturing issues solved.
<b>TRL 9:</b>	<b>Full commercial application,</b> technology available for consumers.



# Algunas ideas para este sub-apartado...

También explicas la metodología y si vas a realizar pruebas, etc...

## Sobre escenarios...

- Definir los **escenarios de prueba y demostración** claramente, normalmente más de uno para poder sacar conclusiones y buenas prácticas que puedan aplicar a diversos escenarios/casuísticas.
- Escenarios detallados, realistas y factibles → Usuarios finales implicados, cómo se recopila la información, qué resultados se espera, cuál es el objetivo final de la demostración, cómo realimentará con esta información al proyecto (“future customer **feedback**”)... → **User driven methodology**
- Tener en cuenta las capacidades reales y actuales de los Usuarios finales que participan en la propuesta... que incluso pueden ser distintos en cada país.
- Si el topic especifica “**scenario planning**”, debe hacerse una planificación y no ir directamente a las demostraciones!



## Consideraciones en cuanto a *EU-policies* y aspectos horizontales



**Open Science across the programme**



**Gender dimension in R&I content**



**Pathway to impact**



**Measures to maximise impact**



**Do no significant harm principle (DNSH)**



**Artificial intelligence**

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

Specific calls may include other aspects to take into account (SSH,...)

**Future webinars focused on these specific aspects will come soon.**





# “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

Reforzar el Espacio Europeo de Investigación - Open Access/Open Science	Laura BONORA	+34 91 425 09 09	<a href="mailto:Widenin-ERA@fecyt.es">Widenin-ERA@fecyt.es</a>	FECYT, MCIN
---	--------------	------------------	--	-------------



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

## 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?

**ATENCIÓN:** Topics “flaged” donde el aspecto de género no es especialmente relevante... en cualquier otro topic, SIEMPRE debe abordarse!



# 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, compliance is not mandatory unless explicitly stated.

The six environmental objectives to which no significant harm should be done:



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, fullback 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.

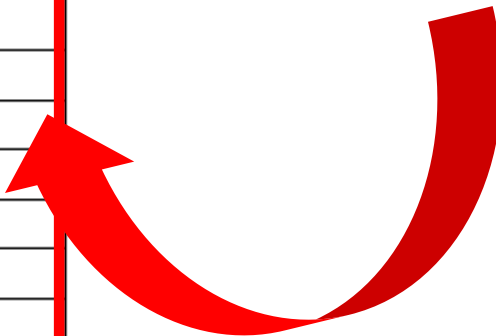


[file:///F:/W72/CCAAs/2021/03Jun\\_EVALUATION/ai\\_hleg\\_ethics\\_guidelines\\_for\\_trustworthy\\_ai-en\\_87F84A41-A6E8-F38C-BFF661481B40077B\\_60419.pdf](file:///F:/W72/CCAAs/2021/03Jun_EVALUATION/ai_hleg_ethics_guidelines_for_trustworthy_ai-en_87F84A41-A6E8-F38C-BFF661481B40077B_60419.pdf)

If YES:		Is it a clinical trial?	<input type="radio"/> Yes <input type="radio"/> No	
		Is it a low-intervention clinical trial?	<input type="radio"/> Yes <input type="radio"/> No	
3. HUMAN CELLS / TISSUES (not covered by section 1)				Page
Does this activity involve the use of human cells or tissues?			<input type="radio"/> Yes <input type="radio"/> No	
If YES:	Are they human embryonic or foetal cells or tissues?		<input type="radio"/> Yes <input type="radio"/> No	
	Are they available commercially?		<input type="radio"/> Yes <input type="radio"/> No	
	Are they obtained within this project?		<input type="radio"/> Yes <input type="radio"/> No	
	Are they obtained from another project, laboratory or institution?		<input type="radio"/> Yes <input type="radio"/> No	
	Are they obtained from biobank?		<input type="radio"/> Yes <input type="radio"/> No	
4. PERSONAL DATA				Page
Does this activity involve processing of personal data?			<input type="radio"/> Yes <input type="radio"/> No	
If YES:	Does it involve the processing of special categories of personal data (e.g.: sexual lifestyle, ethnicity, genetic, biometric and health data, political opinion, religious or philosophical beliefs)?		<input type="radio"/> Yes <input type="radio"/> No	
	If YES:	Does it involve processing of genetic, biometric or health data?	<input type="radio"/> Yes <input type="radio"/> No	
	Does it involve profiling, systematic monitoring of individuals, or processing of large scale of special categories of data or intrusive methods of data processing (such as, surveillance, geolocation tracking etc.)?		<input type="radio"/> Yes <input type="radio"/> No	
Does this activity involve further processing of previously collected personal data (including use of <del>unrelated</del> data sets or sources, merging existing data sets)?			<input type="radio"/> Yes <input type="radio"/> No	
Is it planned to export personal data from the EU to non-EU countries?			<input type="radio"/> Yes <input type="radio"/> No	
If YES:	Specify the type of personal data and countries involved:			
Is it planned to import personal data from non-EU countries into the EU or from a non-EU country to another non-EU country?			<input type="radio"/> Yes <input type="radio"/> No	
If YES:	Specify the type of personal data and countries involved			
Does this activity involve the processing of personal data related to criminal convictions or offences?			<input type="radio"/> Yes <input type="radio"/> No	
5. ANIMALS				Page
Does this activity involve animals?			<input type="radio"/> Yes <input type="radio"/> No	
If YES:	Are they vertebrates?		<input type="radio"/> Yes <input type="radio"/> No	

... y también **especialistas en data management!**

En las propuestas **se hace énfasis en la gestión de los datos y se pide más detalle del que se pedía en H2020...**



# Data Management: Main contents to develop...

## 1. Data overall description

- ✓ What is the purpose of the data collection/generation and its relation to the objectives of the project?
- ✓ What types and formats of data will the project generate/collect?
- ✓ Will you re-use any existing data and how?
- ✓ What is the origin of the data?
- ✓ What is the expected size of the data?
- ✓ To whom might it be useful ('data utility')?



# Data Management: Main contents to develop...

## 2. 1. Making data findable

- ✓ Are the data produced and/or used in the project following any standard identification mechanism (e.g. persistent and unique identifiers such as Digital Object Identifiers)?
- ✓ What naming conventions do you follow?
- ✓ Will search keywords be provided that optimize possibilities for re-use?
- ✓ Do you provide clear version numbers?
- ✓ What metadata will be created? In case metadata standards do not exist in your discipline, please outline what type of metadata will be created and how.





# Data Management: Main contents to develop...

## 2.2. Making data accessible

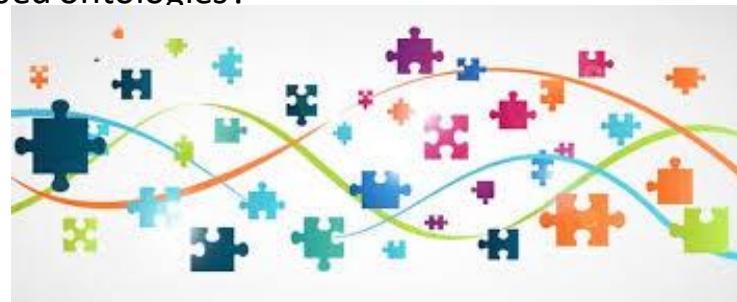
- ✓ Which data produced and/or used in the project will be made openly available as the default? If certain datasets cannot be shared (or need to be shared under restrictions), explain why, clearly separating legal and contractual reasons from voluntary restrictions.
- ✓ Note that in multi-beneficiary projects it is also possible for specific beneficiaries to keep their data closed if relevant provisions are made in the consortium agreement and are in line with the reasons for opting out.
- ✓ How will the data be made accessible (e.g. by deposition in a repository)?
- ✓ What methods or software tools are needed to access the data?
- ✓ Is documentation about the software needed to access the data included?
- ✓ Is it possible to include the relevant software (e.g. in open source code)?
- ✓ Where will the data and associated metadata, documentation and code be deposited? Preference should be given to certified repositories which support open access where possible.
- ✓ Have you explored appropriate arrangements with the identified repository?
- ✓ If there are restrictions on use, how will access be provided?
- ✓ Is there a need for a data access committee?
- ✓ Are there well described conditions for access (i.e. a machine readable license)?
- ✓ How will the identity of the person accessing the data be ascertained?



# Data Management: Main contents to develop...

## 2.3. Making data interoperable

- ✓ **Are the data produced in the project interoperable, that is allowing data exchange and re-use between researchers, institutions, organisations, countries, etc.** (i.e. adhering to standards for formats, as much as possible compliant with available (open) software applications, and in particular facilitating re-combinations with different datasets from different origins)?
- ✓ What data and metadata vocabularies, standards or methodologies will you follow to make your data interoperable?
- ✓ Will you be using standard vocabularies for all data types present in your data set, to allow interdisciplinary interoperability?
- ✓ In case it is unavoidable that you use uncommon or generate project specific ontologies or vocabularies, will you provide mappings to more commonly used ontologies?



# Data Management: Main contents to develop...

## 2.4. Data re-use (through clarifying licences)

- ✓ How will the **data be licensed to permit the widest re-use** possible?
- ✓ **When will the data be made available for re-use?** If an embargo is sought to give time to publish or seek patents, specify why and how long this will apply, bearing in mind that research data should be made available as soon as possible.
- ✓ **Are the data produced and/or used in the project useable by third parties**, in particular after the end of the project? If the re-use of some data is restricted, explain why.
- ✓ **How long is it intended that the data remains re-usable?**
- ✓ Are **data quality assurance** processes described?



# Data Management: Main contents to develop...

## 3. Allocation of resources

What are the costs for making data FAIR in your project?

- ✓ How will these be covered? Note that costs related to open access to research data are eligible as part of the Horizon 2020 grant (if compliant with the Grant Agreement conditions).
- ✓ Who will be responsible for data management in your project?
- ✓ Are the resources for long term preservation discussed (costs and potential value, who decides and how what data will be kept and for how long)?

## 4. Data security

- ✓ What provisions are in place for data security (including data recovery as well as secure storage and transfer of sensitive data)?
- ✓ Is the data safely stored in certified repositories for long term preservation and curation?

## 5. Ethical aspects

- ✓ Are there any ethical or legal issues that can have an impact on data sharing? → If so, these must be discussed in the **ethics questionnaire (part-A) and in section-5 (part-B)**.
- ✓ Is informed consent for data sharing and long term preservation included in questionnaires dealing with personal data?



# Checklist que siguen los evaluadores...

## CRITERION 1 - EXCELLENCE

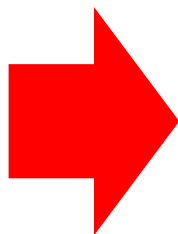
1.2 Soundness of the proposed methodology, including the underlying concepts, models, assumptions, inter-disciplinary approaches, appropriate consideration of the gender dimension in research and innovation content, and the quality of open science practices, including sharing and management of research outputs and engagement of citizens, civil society and end users where appropriate.

The paragraph must always start with a general assessment introduced by the following opening statement: "The soundness of the proposed methodology is poor / fair / good / very good / excellent".

Then:

- 1.2.1. Assess if the methodology is effective to reach the proposed objectives.
- 1.2.2. Assess if the underlying concepts, models and assumptions, are credible and convincing, and the main challenges are identified and addressed.
- 1.2.3. Assess how different disciplines are brought together and integrated in order to reach the proposed objectives.
- 1.2.4. Where relevant for the specific topic (please check with the CINEA Project Officer):
  - assess the role of social sciences and humanities;
  - assess how the gender dimension (i.e. gender analysis, including a gender equality plan, if applicable) is taken into account;
  - assess whether open science practices are appropriately implemented as an integral part of the proposed methodology;
  - assess how the data / research outputs will be managed in line with the FAIR principle<sup>2</sup>;
  - assess whether engagement of citizens, civil society and end users is sufficiently considered.
  - if the proposed activities involve the use and/or development of Artificial Intelligence (AI) systems and/or techniques, assess its technical robustness<sup>3</sup> and check the appropriate box of the report.

NOTE: this is not about composition of the consortium, which is addressed under subcriterion 3.2.



# **Aspectos en la sección “Impact”**

**1**  
**Impact Logic**  
Key Impact Pathways  
Framework

**2**  
**Practical Implications**  
Project's Pathway to  
impact

# HORIZON EUROPE Cycle

## Impact-driven Framework Programme



# Tipos de Impacto en HEurope



## Scientific impact

Promote scientific excellence, support the creation and diffusion of high-quality new fundamental and applied knowledge, skills, training and mobility of researchers, attract talent at all levels, and contribute to full engagement of Union's talent pool in actions supported under the Programme.



## Societal impact

Generate knowledge, strengthen the impact of R&I in developing, supporting and implementing Union policies, and support the uptake of innovative solutions in industry, notably in SMEs, and society to address global challenges, inter alia the SDGs

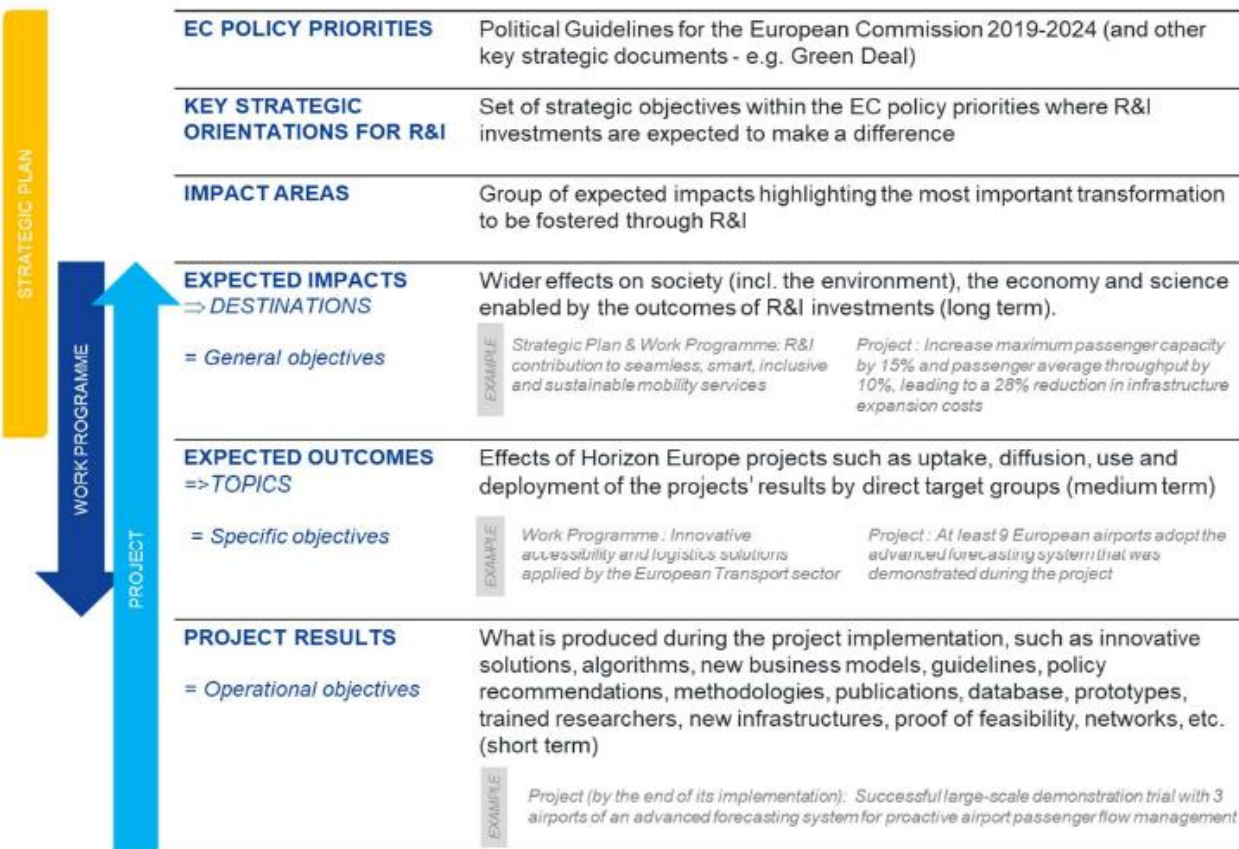


## Economic impact

- Foster all forms of innovation, facilitate technological development, demonstration and knowledge transfer, and strengthen deployment of innovative solutions



# HORIZON EUROPE IMPACT IMPLEMENTATION



## Criterio de evaluación 2. Impacto

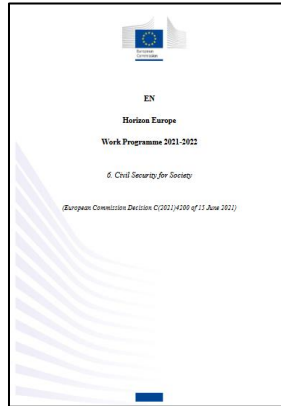
### Impact

Credibility of the pathways to achieve the **expected outcomes and impacts** specified in the workprogramme, and the **likely scale and significance of the contribution from the project**

Suitability and quality of the measures to maximise expected outcomes and impacts, as set out in the **dissemination and exploitation plan**, including **communication activities**

# Documentos a tener en cuenta

## Workprogramme



## Proposal Template



## Proposal Evaluation Form

The image shows a template for a Proposal Evaluation Form. It is divided into sections for '1. Evaluation', '2. Impact', '3. Quality and efficiency of the implementation', and '4. Overall evaluation'. Each section contains a table with columns for 'Comments', 'Score (0-5)', and 'Weighted score'. The form is designed to be filled out by evaluators to assess the quality and impact of a proposal.

**¡Usar la última versión - se van actualizando!**

## Funding and Tenders Portal – Reference Documents

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

# La sección de Impacto

## 2.1 Project's pathways towards Impacts

2.1.1 Expected outcomes and impacts

2.1.2 Scale and significance of the Project's contribution to the expected outcomes and impacts

2.1.3 Any requirements and potential barriers

## 2.2 Measures to maximise impact – Dissemination, Exploitation and Communication

2.2.1 Dissemination, exploitation and communication measures and target groups. [1st versión of the plan for dissemination and exploitation, including communication activities]

2.2.2 Management of Intellectual Property

## 2.3 Summary (Impact Canvas)

# 2 - Impact

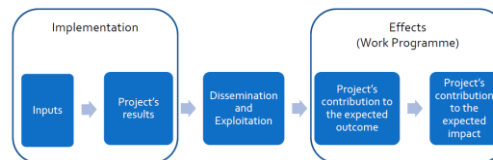
## 2.1 Project's pathways towards Impacts

### 2.1.1 Expected outcomes and impacts

Describe the **unique** contribution of your project results to the expected outcomes and impacts



- **State the target groups** that would benefit from your project results
- Break target groups **into particular interest groups or segments of society relevant to your Project**
- Outcomes and impacts of your projects may be: **scientific, economic / technological, societal**



Scientific		
Outcome specified in the topic	Project contribution	Means of verification
Impact specified in the Destination	Project contribution	Means of verification
Economic/Technological		
Outcome specified in the topic	Project contribution	Means of verification
Impact specified in the Destination	Project contribution	Means of verification
Societal		
Outcome specified in the topic	Project contribution	Means of verification
Impact specified in the Destination	Project contribution	Means of verification

## 2.1.1 Expected Outcomes and Impacts

<b>PROJECT RESULTS</b>	<p><u><b>What is generated during the project implementation.</b></u> 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 Property Rights” <b>(short term)</b></p>
<b>EXPECTED OUTCOMES</b> <b>=&gt; TOPIC</b>	<p><u><b>The expected effects of projects over the medium term.</b></u> This may include the uptake, diffusion, deployment, and/or use of the project’s results by direct target groups. <b>Outcomes generally occur during or shortly after the end of the project. (medium term)</b></p>
<b>EXPECTED IMPACTS</b> <b>=&gt; DESTINATION</b>	<p>Wider long term effects on society (including the environment), the economy and science, enabled by the outcomes of R&amp;I investments. <b>Impacts generally occur some time after the end of the project. (long term)</b></p>

## 2.1.1 Expected Outcomes and Impacts - ¿dónde están?

HORIZON-CL3-2022-FCT-01-04: Public spaces are protected while respecting privacy and avoiding mass surveillance

**Expected Outcome:** Projects' results are expected to contribute to all of the following outcomes:

- Improved understanding by local authorities, operators and policy makers of the effect of large-scale surveillance of public spaces on the behaviour of citizens and possible negative effects on local communities;
- Enhanced transparency for citizens on different forms of surveillance by Police Authorities<sup>47</sup>, local authorities and private actors in public spaces, and increased awareness of applicable rights towards operators of such systems;
- Improved protection of public spaces without the need for 24/7 data collection and storage;
- Set of common standards and good practices by local authorities, operators and policy makers for internal access restriction, anonymization and data minimization allowing a proportionate use of already installed surveillance-systems (such as CCTV) in public spaces, reducing the risk of misuse of collected data and respecting fundamental rights, especially the protection of personal data.

**Scope:** In recent years, the number of different tools for the surveillance of public spaces has been growing at massive pace in most European cities. CCTV-systems in public spaces are the most evident examples. They have been expanded in terms of quantity (number of CCTV in public spaces, such as squares, streets or touristic sites), quality (improved solution of images, possibility of tracking and automatic pattern-recognition) and also scope (CCTV present in areas like parks, 24/7 recording as standard due to higher data storage capacities).

CCTV-systems are the most evident and visible, although by far not the only ones. Acoustic sensors, Automatic Number Plate Recognition (ANPR) and in the future possibly widespread

### FCT DESTINATION

Proposals for topics under this Destination should set out a credible pathway to contributing to the following expected impact of the Horizon Europe Strategic Plan 2021-2024: *"Crime and terrorism are more effectively tackled while respecting fundamental rights [...] thanks to more powerful prevention, preparedness and response, a better understanding of related human, societal and technological aspects, and the development of cutting-edge capabilities for police authorities [...] including measures against cybercrime."*

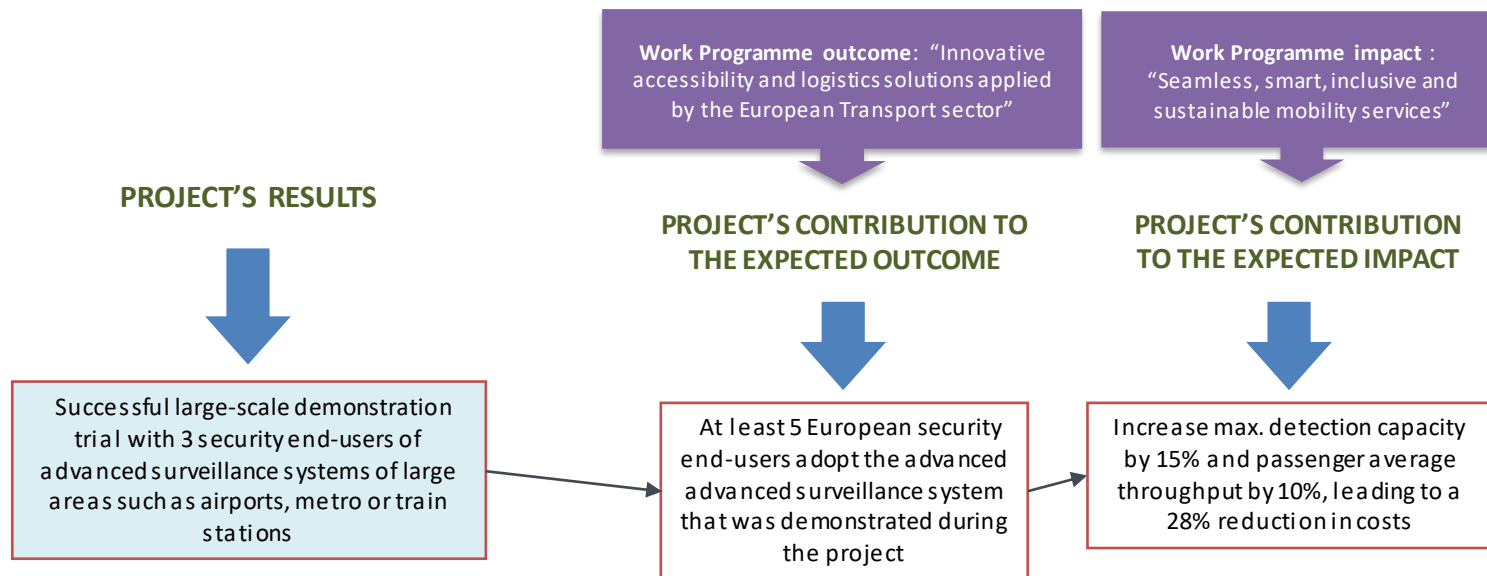
More specifically, proposals should contribute to the achievement of one or more of the following impacts:

- Modern information analysis for Police Authorities, allowing them to efficiently fight criminals and terrorists who use novel technologies;
- Improved forensics and lawful evidence collection, increasing the capabilities to apprehend criminals and terrorists and bring them to the court;
- Enhanced prevention, detection and deterrence of societal issues related to various forms of crime, including cybercrime, and terrorism, such as violent radicalisation, domestic and sexual violence, or juvenile offenders;
- Increased security of citizens against terrorism, including in public spaces (while preserving their quality and openness);
- Improved intelligence picture and enhanced prevention, detection and deterrence of various forms of organised crime;
- More secure cyberspace for citizens, especially children, through a robust prevention, detection, and protection from cybercriminal activities.

**Impactos =>**  
en la  
introducción  
de cada  
Destination

**Outcomes=>**  
en cada uno  
de los topics

## 2.1.1 Expected Outcomes and Impacts - Ejemplo



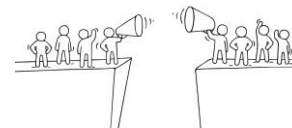


# 2 - Impact

## 2.1 Project's pathways towards Impacts

### 2.1.2 Scale and significance of the contribution of the project

- To the expected outcomes and impacts
- Provide quantified estimates
- Explain your baselines, benchmarks and assumptions used for those estimates
- Explain assumptions, referring for example to any relevant study or statistics
- Try to use only one methodology for calculating your estimates, not different methodologies for each partner



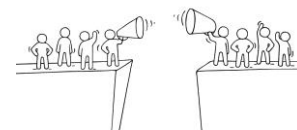
- **“Scale”** => refers to how widespread the outcomes and impacts are likely to be. For example, in terms of the size of the target group, or the proportion of that group that should benefit over time
- **“Significance”** => refers to the importance, or value of those benefits. For example, number of additional healthy life years, efficiency savings in energy supply

# 2 - Impact

## 2.1 Project's pathways towards Impacts

### 2.1.3 Any requirements and potential barriers

Requirements and potential barriers to achieve the outcomes and impacts
<i>Describe any requirements and potential barriers - arising from factors beyond the scope and duration of the project - that may determine whether the desired outcomes and impacts are achieved.</i>
Mitigating measures to address identified barriers
<i>Describe any mitigating measures you propose, within or beyond your project, that could be needed should your assumptions prove to be wrong, or to address identified barriers</i>



- These may include, for example, other R&I work within and beyond Horizon Europe; regulatory environment; targeted markets; user behaviour
- Is any potential negative environmental outcome or impact identified? (including when expected results are brought at scale, such as at commercial level)
- Is the management of the potential harm properly described?
- Indicate if these factors might evolve over time



**- This does not include the critical risks inherent to the management of the project itself, which should be described under 'Implementation'.**

# 2 - Impact

## 2.2 Measures to maximise impact – Dissemination, exploitation and communication

### 2.2.1 Dissemination, exploitation and communication measures and target groups

### 2.2.2 Management of Intellectual Property

#### Admissibility conditions

Applications must include a **plan for the exploitation and dissemination of results**, unless provided otherwise in the specific call conditions.

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

# Comunicación



# Explotación



# Diseminación



Dissemination

# Comunicación, Disseminación y Explotación

- Se comunican => el proyecto y sus resultados
- Se diseminan => los resultados
- Se explotan => los resultados
- Frontera difusa
  - Comunicación ↔ Disseminación
  - Disseminación ↔ Explotación



## Results:

You have to  
clearly identify  
and name the  
result

Results' means any tangible or intangible effect of the action, such as data, know-how or information, whatever its form or nature, whether or not it can be protected, as well as any rights attached to it, including intellectual property rights...

Key results are the **outputs generated during the project which can be used and create impact**, either by the project partners or by other stakeholders

Project results can be reusable and exploitable as such (e.g. inventions, prototypes, services), or elements (knowledge, technology, processes, networks) that have potential to contribute for further work on research or innovation

### Research Communities

### MS, EU Policymakers



### Industry, Innovators

### Civic Society, Citizens

# Resultados – ejemplos

Resultados
Nueva tarjeta inteligente para .....
Instrumentación para caracterización magnética de .....
Kit de detección de .....
Sistema de conversión analógico-digital para antenas, láser, etc
Software de reconocimiento para operación remota y certificación
Sensores y electrónica para aplicación en .....
Método para simular la inspección de .....
Método de testeo de .....
Procesos para el desarrollo de ..... para la fabricación de .....
Base de datos de parámetros de xxx para mejorar las propiedades de .....

# Definiciones

## Comunicación:

**Promover** el proyecto y sus resultados, proporcionando información a **múltiples audiencias** (incluyendo los medios de comunicación y el público en general)

- Posiblemente implicando un intercambio bi-direccional

## Diseminación:

**Desvelar públicamente** los resultados por cualquier medio (incluyendo las publicaciones científicas) a **audiencias especializadas**

## Explotación:

**Utilizar** los resultados en:

- otras actividades de investigación
- desarrollar, crear, fabricar y comercializar un producto o proceso
- crear y proporcionar un servicio
- actividades de estandarización y policy making



# Comunicación

## — New communication means

- creation of a blog
- use of scientific, professional and social networking (e.g. Research Gate, Academia.edu, Twitter account, QR code included in all printed communication, create a wikipedia entry, etc)

## — Raise awareness of the project in the public domain

## — Freely accessible tools at your disposal

- Horizon Europe Magazine
- Research\*eu results Magazine
- Research\*eu focus
- Futuris Magazine
- Cordis Wire

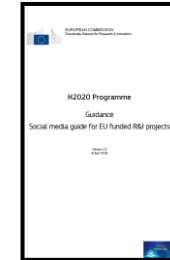


## Communication Guidelines

[http://ec.europa.eu/research/participants/data/ref/h2020/other/gm/h2020-guide-comm\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/other/gm/h2020-guide-comm_en.pdf)

## Social media Guide

[http://ec.europa.eu/research/participants/data/ref/h2020/other/grants\\_manual/amga/soc-med-guide\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/other/grants_manual/amga/soc-med-guide_en.pdf)



¡Atención!  
Documentos antiguos  
de H2020  
.....pero que os pueden  
ayudar

# Comunicación

## Ejemplo ficticio

Category of audience	Target audience	Type of information/ Material	Channels/tools	Objective of the communication	Key Performance Indicator
Scientific community	Universities Research Centres	Reports, presentations	Congress, Conferences, articles	Increase visibility on the new technology	> 1.000 scientists
Manufacturers of XXX	Product developers	Targeted information about technology/product developed	Site visits, Outreach videos	Raise awareness on the new capabilities	> 50 manufacturers
Integrators,,...	xxx	Targeted information about technology/product developed	Site visits, Outreach videos	Raise awareness on the new capabilities	> 10 integrators
Public authorities, Policy makers	Regional, national, European authorities	Summary reports, roadmaps	Presentations, dedicated meetings	Influence over the R&D priorities	> 160 policy makers
Associations	xxxx	Main outcomes, factsheets	Press release, website, Newsletter	Gain visibility among key players	> 6 associations
General Public	Youth Students	Marketing material, flyers, mock-ups, materials for science experiments	Website, Social media (blogs, Twitter, Facebook, LinkedIn, Youtube), entry in Wikipedia, Researchers night/week	Inspirational, education, increase social awareness about XXX	> 60.000 interested parties

# Diseminación

## — Proposals must include a **draft plan for dissemination**

- With clear objectives and identify relevant measures
- Identify categories of target audience
- With indicators for measuring the success of activities

## — Means for dissemination

- Publications in peer-reviewed **scientific journals** => identificar las más relevantes para el tema del proyecto
- **Conferences/workshops Papers / presentations** => identificar los más relevantes, con lugar y fecha
- Publication of a **handbook** for the project technologies, **device data sheets** and **user guide**
- Live demonstrations
- Trade fairs
- Training sessions

## — **Atención a los entregables:** ojo si demasiados entregables confidenciales, puede ser una barrera para la diseminación



# Diseminación

## *Ejemplo ficticio*

Mean for dissemination	Event/Journal	Target audience	Key Performance Indicator
Conference/ Workshop		Scientific community in the field of xxx	> 1.000 scientists
Publication		Especialistas en xxx	> 50 manufacturers
Association/ Cluster		Fabricantes de xxx	> 10 integrators
Advisory Board		Usuarios de xxx	> 160 policy makers

# Explotación

- Indicación clara de los resultados a explotar, de qué manera y por parte de quién
- Ejemplos de formas de explotación de resultados

## Further Research

- The results used as background of future research projects

## Product development/ service creation

- Results used in developing, creating and marketing a product/process or in creating and providing a service

## Licensing, assignment

- Results exploited by other organisations through out-licensing or by the transfer of ownership

## Spin-off

- A separate company established to bring to the market the technology resulting from the project

## Standardisation

- Results used either to develop new standardisation activities or to contribute to on-going standardisation work

# Explotación

## *Ejemplo ficticio*

Result	Partners involved	IPR strategy	Exploitation Route/Strategy	Time to market
Platform for xxx		License	Commercial agreement with xxx	1-2 years after the end of the project
New material		Patent	Spin-off company	5 years after the end of the project
Software for xxx		Utility model	Provision of services to xxxxx	At the end of the project
New PV cell			Further integration in PV modules to be manufactured by partner xxx	

# Management of Intellectual Property



## 2.2 Measures to maximise impact – Dissemination, exploitation and communication

### 2.2.2 Management of Intellectual Property

**IPR strategy** is an important component of exploitation

- **Identify your own background**
- **Check the Stat of the Art => existing patents** (e.g. via database provided by the European Patent Office: *Espacenet*)
- Specify **the ownership of the results**, who owns what, any transfers? On which conditions?
- Ensure appropriate **IPR Access Rights**
- Is there a **need to protect the results**? If yes, assign cost. Explain how the protection measures will be used to support exploitation

**A short reference to the IPR “to be developed in the Consortium Agreement” is not sufficient!!!!**

#### Background

Examples: *prototypes; database rights, licences with the right to sublicense, patents, patents applications*

#### IPR HELPDESK

[helpline@iprhelphdesk.eu](mailto:helpline@iprhelphdesk.eu)

Phone +34 965 90 9692 (Helpline)

[ec.europa.eu/ip-helpdesk](https://ec.europa.eu/ip-helpdesk)





# 2 - Impact

## 2.3 Summary (Impact Canvas – new) (1/2)

SPECIFIC NEEDS	EXPECTED RESULTS	D & E & C MEASURES
<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><i>What do you expect to generate by the end of the project?</i></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><i>What dissemination, exploitation and communication measures will you apply to the results?</i></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>

# 2 - Impact

## 2.3 Summary (Impact Canvas – new) (2/2)

TARGET GROUPS	OUTCOMES	IMPACTS
<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 European 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>

# Checklist para los evaluadores

## CRITERION 2 - IMPACT

---

**2.1 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 from the project.**

The paragraph must always start with a general assessment introduced by the following opening statement: "The 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 from the proposed project to the expected outcomes and wider impacts mentioned in the work programme are *poor / fair / good / very good / excellent*".

Then:

- 2.1.1. Assess whether the expected outcomes specified in the work programme are credibly addressed. If not, clarify which outcomes are not addressed or are only partially addressed.

2.1.2. Assess the scale and significance<sup>4</sup> of the proposed project's outputs, that should contribute to the achievement of the expected outcomes:

- Are the outputs significant and, if applicable, quantified? Are the pathways credibly described?
- Are the baselines, benchmarks and assumptions necessary to assess the progress towards the expected outcomes appropriate and clearly stated?
- If explicitly mentioned in the topic (please check with the REA Project Officer), is the minimum requirement (e.g. specific European emission standard) achieved?

2.1.3. Assess whether the impacts, as specified in the respective destination in the work programme, are credibly addressed.

2.1.4. Assess whether potential barriers, that may determine if the desired outcomes and impacts are achieved, are appropriately identified. If potential barriers are identified, are appropriate mitigation measures described?

## 2.2 Suitability and quality of the measures to maximise expected outcomes and impacts, as set out in the dissemination and exploitation plan, including communication activities.

The paragraph must always start with a general assessment introduced by the following opening statement: "The suitability and quality of the communication, dissemination and exploitation measures to maximise expected outcomes and impacts are *poor / fair / good / very good / excellent*".

Then:

- 2.2.1 Assess the communication, dissemination and exploitation measures<sup>5</sup> that are planned (a separate assessment for each of the three aspects should be realized). For instance, are the communication/dissemination/exploitation measures proportionate to the scale of the proposal? Are these measures relevant and in line with the ambitions and expected impact of the proposal? NOTE: A plan for communication, dissemination and exploitation must always be included in the proposal.
- 2.2.2 Assess whether the target group(s) for communication/dissemination are appropriately described/outlined (e.g. scientific community, end users, financial actors, public at large, etc.) and if the communication/dissemination measures proposed are tailored to their needs.
- 2.2.3 Assess the strategy for the management of intellectual property, foreseen protection measures, such as patents, design rights, copyright, trade secrets, etc., and how these will be used to support exploitation.
- 2.2.4 Where relevant, assess how the proposal intends to provide feedback to policy that will contribute to designing, monitoring, reviewing and adjusting existing policy measures or shaping and supporting the implementation of new policy initiatives and decisions.

# **Aspectos en la sección “Implementation”**

Respetar el *page limit* total de la propuesta! → Esta sección por ser la última puede verse muy afectada en la evaluación

## La proposal template incluye los siguientes apartados:

**3.1 Work plan and resources** [e.g. 14 pages – including 8 tables]

**3.2 Capacity of participants and consortium as a whole** [e.g. 3 pages]



... Y qué dicen los criterios de evaluación???

### ***Quality and efficiency of the implementation – aspects to be taken into account***

- *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.*

ESRs must always start with the following opening statement “..... Are Poor/Fair/ Good/Very Good/Excellent”

Quality and effectiveness of the work plan, [...]

- **Gantt fácilmente legible** (si se incluyen los entregables que su *planned date* sea coincidente con la tabla 3.1.c)
- Explicar la **interdependencia entre WPs/tareas** (**Pert** ó similar) y **pilotos**, cómo se realimentan y si son iterativos para posibilitar ajustes. Dejar tiempo para la integración final y no alargar las tareas hasta casi el final del proyecto.
- La **descripción de paquetes de trabajo/tareas** debe estar bien especificada.
  - **Extensión** lo más **homogénea** posible (teniendo en cuenta la complejidad), **coherente** y **detallada** posible (no excesivamente granular)
  - **Describir** para cada **use-case** las acciones específicas requeridas para su implementación, dónde tendrán lugar, qué será validado, su valor añadido, los participantes implicados y el *industrial engagement* necesario (fully elaborated)
  - El paquete de **diseminación, comunicación y explotación** tiene que reflejar las actividades propuestas en la section 2

Table 3.1b: Work package description

For each work package:

Work package number	
Work package title	

⚠ Participants involved in each WP and their efforts are shown in table 3.1f. Lead participant and starting and end date of each WP are shown in table 3.1a.)

Objectives

Description of work (where appropriate, broken down into tasks), lead partner and role of participants. Deliverables linked to each WP are listed in table 3.1c (no need to repeat the information here).



## Quality and effectiveness of the work plan, [...]

**Table 3.1c: List of Deliverables<sup>2</sup>**

Only include deliverables that you consider essential for effective project monitoring.

Number	Deliverable name	Short description	Work package number	Short name of lead participant	Type	Dissemination level	Delivery date (in months)

### Type:

Use one of the following codes:

- R: Document, report (excluding the periodic and final reports)
- DEM: Demonstrator, pilot, prototype, plan designs
- DEC: Websites, patents filing, press & media actions, videos, etc.
- DATA: Data sets, microdata, etc.
- DMP: Data management plan
- ETHICS: Deliverables related to ethics issues.
- SECURITY: Deliverables related to security issues
- OTHER: Software, technical diagram, algorithms, models, etc.

### Dissemination level:

Use one of the following codes:

- PU – Public, fully open, e.g. web (Deliverables flagged as public will be automatically published in CORDIS project's page)
- SEN – Sensitive, limited under the conditions of the Grant Agreement
- Classified R-UE/EU-R – EU RESTRICTED under the Commission Decision No2015/444
- Classified C-UE/EU-C – EU CONFIDENTIAL under the Commission Decision No2015/444
- Classified S-UE/EU-S – EU SECRET under the Commission Decision No2015/444

- No sólo hay que listarlos, **también** hay que **describirlos**
- Las tareas importantes deben generar como resultado deliverables
- Hay **más tipos** y **más niveles de difusión** (Vs H2020)
- **No concentrarlos** al final del proyecto ni al final de los WPs, distribuirlos a lo largo de la vida del proyecto
- Ojo cuando hay muchos WPs en paralelo que dependen de tener entregables a tiempo críticos.
- Revisar el **timing** (que no se entreguen antes de su corresponding task)
- Si hay entregables relacionados con aspectos éticos y GDPR compliance, entregarlos antes de que se inicie la tarea de diseño de la metodología de los pilotos.

## Quality and effectiveness of the work plan, [...]

Table 3.1d: List of milestones

Milestone number	Milestone name	Related work package(s)	Due date (in month)	Means of verification

- Incluir sólo aquellos milestones que sean verificables
- **Métodos de verificación convincentes** (que no dependan exclusivamente de la entrega de deliverables, considerar también evaluation, feedback, etc)

## [...] **Assesment of risks**, [...]

Table 3.1e: Critical risks for **implementation**

Description of risk (indicate level of (i) likelihood, and (ii) severity: Low/Medium/High)	Work package(s) involved	Proposed risk-mitigation measures

- **Evitar generalizar**
- Identificar **collaborative AND technological threats** (por ej. los relacionados con management, R&D, dissemination, exploitation, end user/external stakeholders engagement, field operations, health and safety risks si los hubiera, etc)
- **Mitigation measures convincentes y detalladas** Algunos ejemplos :
  - **Crucial risks** : *p.ej. lack of good quality data, risks related to data fusion, reluctance by CI operators to effectively share necessary data, inadequate participation by stakeholders, partner leaving the consortium (especially pertinent to partners that have a large proportion of the work load), legislation changes, not delivering in time tasks which are high complexity of work and small duration, not being able to implement requirements, risk associated to the dependency on the development of a platform that will be financed by other means , covid-19 related impact, high number of the partners participating in several WPs challenging time planned for the execution of the work, etc ...*
  - **Identificar** actividades complejas con **high implementation risks**
  - Identificar si aplican **Risks associated with fundamental rights** (*p.ej risk analysis concerning legal and ethical issues linked to the use of AI and the limitation of people freedom using personal data and face recognition*),

## Appropriateness of the effort assigned to work packages and the resources overall, [...]

- Revisar que **no** haya **inconsistencias** entre tablas **3.1.a** y **3.1f**
- Evitar sobre-estimaciones de PM:
  - Si hay partners con contribuciones similares, que sus contribuciones en PM también lo sean.
  - Si hay un partner que contribuye con especial intensidad, justificar por qué.
  - El coordinador debe imputar PM coherentes
- Hay WPs en donde se esperan que participen **todos**

Table 3.1a: List of work packages

Work package No	Work Package Title	Lead Participant No	Lead Participant Short Name	Person-Months	Start Month	End month

Table 3.1f: Summary of staff effort

Please indicate the number of person/months over the whole duration of the planned work, for each work package, for each participant. Identify the work-package leader for each WP by showing the relevant person-month figure in bold.

	WPn	WPn+1	WPn+2	Total Person-Months per Participant
Participant Number/Short Name				
Participant Number/Short Name				
Participant Number/Short Name				
Total Person Months				

## Appropriateness of the effort assigned to work packages **and** **the resources overall**, [...]

**Table 3.1g: 'Subcontracting costs' items**

For each participant describe and justify the tasks to be subcontracted (please note that core tasks of the project should not be sub-contracted).

Participant Number/Short Name		
	Cost (€)	Description of tasks and justification
<b>Subcontracting</b>		

- Hay que explicar los **motivos/razones**
- No piden incluir nombres de entidades, sino describir y justificar **la tarea** a subcontratar.
- **No** subcontratar tareas **“core”** del proyecto

**Table 3.1h: 'Purchase costs' items (travel and subsistence, equipment and other goods, works and services)**

Please complete the table below for each participant if the purchase costs (i.e. the sum of the costs for 'travel and subsistence', 'equipment', and 'other goods, works and services') exceeds 15% of the personnel costs for that participant (according to the budget table in proposal part A). The record must list cost items in order of costs and starting with the largest cost item, up to the level that the remaining costs are below 15% of personnel costs.

Participant Number/Short Name		
	Cost (€)	Justification
Travel and subsistence		
Equipment		
Other goods, works and services		
Remaining purchase costs (<15% of pers. Costs)		
Total		

- Seguir las **instrucciones** para rellenarla (si procede)
- Todos los importes que se incluyan hay que **justificarlos** siempre (y si son elevados, con más detalle)
- Ojo con incluir valores **demasiado elevados**
- **Asegurarse de que es coherente con el Budget table (form A)**

- Capacity and **role of each participant** , and extent to which the **consortium as a whole** brings together the necessary expertise..... (*poor, fair, good, very good, excellent*)
  - Hay que describir el expertise de los partners individual en detalle (**incluyendo el expertise como coordinador**).
  - El rol se justifica a través de una **competence description/competence matrix** (si hay solape, justificar por qué)
  - Ojo con **redes** con *limited geographical coverage*
  - Algunos ejemplos:
    - Se espera que los usuarios finales estén implicados en los WPs → *user requirements driven focus*
    - Si se espera una SSH contribution, deberá estar balanceada con la contribución tecnológica.
    - Si se requieren partners con expertise en law and ethics, incluirles y que demostrar su valor añadido.
    - Si se incluyen partners industriales/comerciales que darán soporte en las actividades de explotación, justificarlo.
    - Si hay un partner que tiene expertise en muchas áreas no olvidarse de justificarlo bien, porque puede parecer raro.
  - Se debe describir la **integración** de las áreas de expertise en el consorcio y como representa toda la value chain (conocimiento aportado, competencias técnicas y market experience) .
  - La distribución de resources tiene que estar balanceada (coherencia entre la carga de trabajo y los costes, teniendo en cuenta las actividades acometidas)

**Para finalizar...**



## Información de interés

### Webinars European Commission

- [How to prepare a successful proposal in Horizon Europe](#) (24 March 2021)
- [A successful proposal for Horizon Europe](#) (21 April 2021)
- [Exploitation, dissemination and communication, including business plan](#) (4 May 2021)
- [The Funding & tenders Portal for beginners](#) (27 May 2021)
- [Dissemination, Communication and Exploitation](#) (9 June 2021)





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

[www.eshorizonte2020.es](http://www.eshorizonte2020.es) - [www.cdti.es](http://www.cdti.es)



@EsHorizonte2020 - @CDTIoficial