



The CDTI wishes you
Merry Christmas
and a Happy New Year
2024



#innovacion
#ayudascdti
#asesoramiento
#internacionalizacion



HORIZONTE
EUROPA
@HorizonteEuropa



Cluster 4: Industry

Taller apoyo a la preparación de propuestas

Diciembre 2024

Cluster 4 Industry

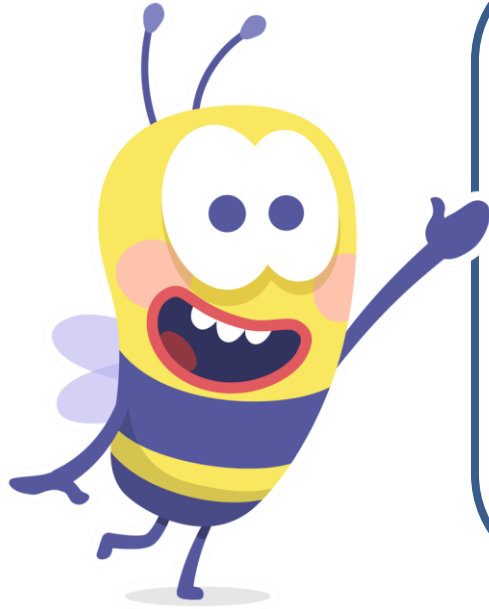
Horizon Europe. Industrial Leadership

*Directorate of European Programmes and Regional
Cooperation*

Centro para el Desarrollo Tecnológico y la Innovación



DISCLAIMER



The contents of this presentation are for informal guidance and discussion purposes only.

In **no circumstance** the content of these slides can substitute the information provided in the official documents and guidelines.

Índice

- Por donde empezamos
- Convocatorias 2024: en una página
- Recordatorio aspectos comunes en la convocatoria
- Repasando el formulario (parte A)
- Aspectos horizontales (parte B)
- Recordatorios y apoyo al participante

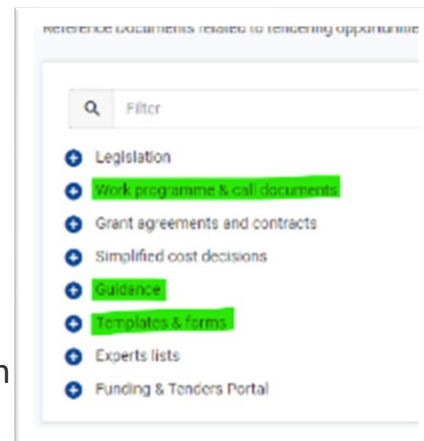
Por donde empezamos/ Funding and tender portal

DOCUMENTOS DE REFERENCIA

- [HE Programme Guide](#)
- [WORK PROGRAMME Digital, industry and Space v2.0.](#)
- [LIST OF ELEGIBLE COUNTRIES](#)
- TEMPLATES AND FORMS. Ej: [Standard application form \(HE RIA IA\)](#)
- EVALUATION FORMS. Ej: [Standard evaluation form \(HE RIA IA\)](#)

General conditions

- **1. Admissibility conditions:** described in [Annex A](#) and [Annex E](#) of the Horizon General Annexes.
- **Proposal page limits and layout:** described in Part B of the Application Form available in the Submission System.
- **2. Eligible countries:** described in [Annex B](#) of the Work Programme General Annexes.
- A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the [Horizon Europe Programme Guide](#).



Work Program 2023-2024 Industria. Horizontal aspects

Prestar
atención



- Convocatorias en **Fase Única y 2 fases**
- Se mantiene piloto **60%** financiación (for profit entities) en IA de partenariados co-programados
- Fases 1 con blind evaluation.**
- Incorporación mecanismos de justificación **lump sum.**
- Versiones actualizadas de los templates RIA-IA, CSA, fase única y dos fases**
- Límites de páginas:** ampliación por incorporación de **lump sum (ver topic y aviso en templates)**, ampliación por **plan de negocio y explotación (ver en el topic)**
- INCO Raw materials Canadá y Ucrania**
- SSH aspects**
- European Skills Agenda. Skills for jobs**

Condiciones de admisibilidad

Same general admissibility conditions

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

Proposal page limit

- RIAs and IAs type of actions: limit for a full application is **45 pages**
- CSAs: limit is **30 pages**
- First stage proposals: limit is **10 pages**
- Exceptions, if any, would be specified in the call text.
 - Business case and exploitation strategy: **+ 3 pages**
 - RIAs and IAs + Lump Sum = **50 pages limit**
 - CSAs + Lump Sum = **33 pages limit**



New

Acuerdos de “Asociación” Horizonte Europa

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/list-3rd-country-participation_horizon-euratom_en.pdf

V2.8 – 05.12.2023

The association agreements with the following countries have now started to produce legal effects (either through provisional application or their entry into force) (listed in alphabetical order):

1. Albania
2. Armenia
3. Bosnia and Herzegovina
4. Faroe Islands
5. Georgia
6. Iceland
7. Israel
8. Kosovo⁴
9. Moldova
10. Montenegro
11. New Zealand (associated to Pillar II 'Global Challenges and European Industrial Competitiveness' as from the Work Programmes 2023 onwards, including for the institutionalised European partnerships)
12. North Macedonia
13. Norway
14. Serbia
15. Tunisia
16. Türkiye
17. Ukraine
18. United Kingdom (associated to the entire Programme, with the only exception of the EIC fund⁵, for award procedures implementing Union budget for the year 2024 and onwards⁶)

Acuerdos de “Transición” Horizonte Europa

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/list-3rd-country-participation_horizon-euratom_en.pdf

V2.8 – 05.12.2023

Until association agreements start producing legal effects either through provisional application or their entry into force, transitional arrangements may apply if provided for in the particular Horizon Europe Work Programme. The transitional arrangements apply with regard to the following countries and legal entities established in these countries, with which association negotiations are being processed or where association is imminent (*listed in the alphabetical order*):

1. Canada (applicable to Pillar II 'Global Challenges and European Industrial Competitiveness', including for the institutionalised European partnerships, and for award procedures implementing Union budget for the year 2024 and onwards)
2. Morocco (applicable for the entire Programme)

Legal entities established in Switzerland are currently not covered by the transitional arrangement.

Liechtenstein does not intend to associate to Horizon Europe.

This list will be updated to reflect the status of the negotiations for association.

Exceptional page limits to proposals/applications

In order to include a business case and exploitation strategy, the page limit in part B of the General Annexes is exceptionally extended by 3 pages.

Business case and Exploitation strategy

Business Case

- Target market
- Market size EU and globally
- User & Customer needs
- Matching at cost-effective manner
- Competitive advantage

Exploitation strategy

- Obstacles and actions to reach higher TRLs
- TRLs 7 strategy for full-scale manufacturing in the EU
- matching value chains, enhancing product robustness; securing industrial integrators; and user acceptance

Admissibility conditions

The conditions are described in General Annex A. The following exceptions apply:

Applicants submitting a **proposal under the blind evaluation pilot** (see General Annex F) **must not disclose their organisation names, acronyms, logos, nor names of personnel in Part B of their first stage application** (see General Annex E).

Blind evaluation pilot

[Standard application form \(HE RIA IA Stage 1\)](#)

Horizon Europe Programme

Standard Application Form (HE RIA, IA stage 1)

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

Version 9.0
02 October 2023

Guidance for blind evaluations

Proposals submitted to a call taking part in the blind evaluation pilot must be anonymous: proposals may not contain any direct or indirect reference to the organisations or persons participating in the proposals. This means that participants **must not disclose** applicants' organisation names, acronyms, logos nor names of personnel in the Part B of the application (the narrative uploaded as a pdf document). In addition, names of proposers or their organisations should not be potentially identifiable indirectly, via, for instance, links to web pages or through references to their role and previous experience.

The proposal can include references to their own publications if there is no emphasis that the publication is authored by one or more of the proposers.

The proposal will be declared inadmissible if its anonymity is not respected in the part B of the application. Information on the identity of participants should be included **only** in proposal Part A (the structured online web forms).

How to insert references to publications

The proposal can include references to participants' own publications if there is no emphasis that the publication is authored by one or more of the proposers.

For example, the following statement will not be admissible:

'For climate impact, we will use greenhouse gas emission intensities, following a methodology developed previously by a project partner (Dalin et al.)'

but the following would be ok:

'For climate impact, we will use greenhouse gas emission intensities, following the methodology described in Dalin et al.'

Examples of statements resulting in inadmissible proposals

- 'Most of project's participants have been involved in the previous H2020 project, NANOCOM...'
- 'For climate impact, we will use greenhouse gas emission intensities, following a methodology developed previously by a project partner (Dalin et al.)'

Cooperación Internacional



Topics recomendados INCO:

1) Recomendada con Japón, Corea, US, Canadá, Australia

HORIZON-CL4-2024-TWIN-TRANSITION-01-05

2) Obligatoria con Canadá o Ucrania.

HORIZON-CL4-2024-RESILIENCE-01-11



Restricciones a la participación:

- China en Acciones de Innovación (IAs)
- Materias Primas

<i>Eligibility conditions</i>	To increase EU resilience in raw materials supply chains and thus reduce the serious risks to the Union's strategic assets, economic and societal interests, autonomy, and security associated with the current EU reliance on a few third countries for critical raw materials, by increasing sustainable and responsible sourcing of primary and secondary raw materials necessary to enable the green and digital transition and in alignment with the Communication (2020) 474 on Critical Raw Materials Resilience, participation in this topic is limited to legal entities established in Member States, associated countries, OECD countries, African Union Member States*, MERCOSUR, CARIFORUM, Andean Community and countries with which the EU has concluded strategic partnerships on raw materials. The choice of these countries was made taking into consideration the development of strategic international partnerships on raw materials and avoidance of reinforcing existing over-dependencies, as well as the importance of involving partners committed to pursuing open trade in such materials. Proposals including legal entities which are not established in the countries that fall under the criteria above will be ineligible.
-------------------------------	--

Skills for jobs



Where relevant, in the context of **skills**, it is recommended to develop training material to endow workers with the right skillset in order to support the uptake and deployment of new innovative products, services, and processes developed in the different projects. This material should be tested and be scalable, and can potentially be up-scaled through the European Social Fund Plus (ESF+). This will help the European labour force to close the skill gaps in the relevant sectors and occupational groups and improve employment and social levels across the EU and associated countries.

Skills for jobs

Employment, Social Affairs & Inclusion

Home | Política and activities | News | Events | Publications and documents

Commission presents
European Skills Agenda for
sustainable
competitiveness, social
fairness and resilience
Skills for jobs in a green
and digital economy
Related documents
Related links

NEWS | 01/07/2020

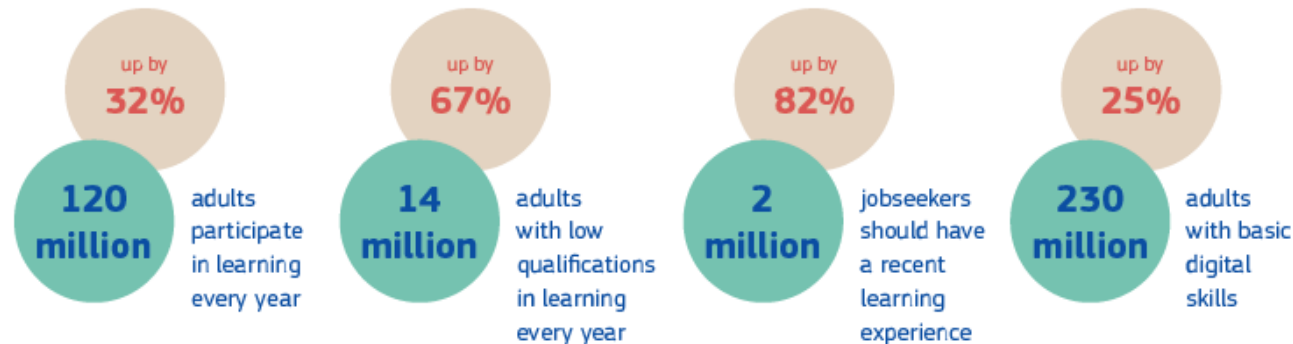
Commission presents European Skills Agenda for sustainable competitiveness, social fairness and resilience

The Commission is presenting a new Skills Agenda today setting
ambitious commitments and resiliens for the next five

<https://ec.europa.eu/social/main.jsp?langId=en&catId=89&newsId=9723&furtherNews=yes#navItem-1>



Over the next five years, Europe should see:



The European Skills Agenda has a dozen actions:

Estructura formulario parte A (Propuesta completa)

- 1. Información general
- 2. Participantes
- 3. Presupuesto
- 4. Ética y seguridad
- 5. Otras cuestiones

Topic:
Type of action:
Type of Model Grant Agreement:
Proposal number:
Proposal acronym:

Table of contents

Section	Title	Action
1	General information	
2	Participants	
3	Budget	
4	Ethics and security	
5	Other questions	

1. Información general

1 – General information

Section 1 provides basic data on the proposal. It can be filled in by contacts of the coordinator. Other participants may view this section only. Read-only parts are marked in blue.

Topic	Type of action
Call	Type of Model Grant Agreement

Acronym

Proposal title

Note that for technical reasons, the following characters are not accepted in the Proposal title and will be removed: "<" ">" "&"

Duration in months

Fixed keyword

Fixed keyword

Free keywords

Declarations

These declarations can be filled in by any coordinator contact(s). All declarations are mandatory.

1) We declare to have the explicit consent of all applicants on their participation and on the content of this proposal.	<input type="checkbox"/>
2) We confirm that the information contained in this proposal is correct and complete and that none of the project activities have started before the proposal was submitted (unless explicitly authorised in the call conditions).	<input type="checkbox"/>
3) We declare:	<input type="checkbox"/>

Abstract

The abstract should provide the reader with a clear understanding of the objectives of the proposal, how they will be achieved, and their relevance to the Work Programme. This summary will be used as the short description of the proposal in the evaluation process and in communications to the programme management committees and other interested parties. It must therefore be short and precise and should not contain confidential information. Use plain typed text, avoiding formulas and other special characters. If the proposal is written in a language other than English, please include an English version of this abstract in the Part B (technical description) of the proposal.

Has this proposal (or a very similar one) been submitted in the past 2 years in response to a call for proposals under any EU programme, including the current call? A 'similar' proposal or contract is one that differs from the current one in minor ways, and in which some of the present consortium members are involved.	<input type="radio"/> Yes	<input type="radio"/> No
Please give the proposal reference or contract number	XXXXXXXX	

- El **abstract** se utilizará como descripción breve de la propuesta en el proceso de evaluación y en las comunicaciones con los comités de gestión del programa



2. Participantes

Novedades HE

- Campos nuevos: Tabla de investigadores, rol de la entidad y autodeclaración del Plan de Igualdad de Género.
- Campos que se han movido de la parte B (H2020) a la parte A

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description
[Publication]	Key elements of the achievement, including a short qualitative assessment of its impact and (where available) its digital object identifier (DOI) or other type of persistent identifier (PID). Publications, in particular journal articles, are expected to be open access. Datasets are expected to be FAIR and 'as open as possible, as closed as necessary'.
[Dataset]	
[Software]	
[Good]	
[Service]	
[Other achievement]	

Role of participating organisation in the project

Applicants may select more than one option.

Project management	<input type="checkbox"/>
Communication, dissemination and engagement	<input type="checkbox"/>
Provision of research and technology infrastructure	<input type="checkbox"/>
Co-definition of research and market needs	<input type="checkbox"/>
Civil society representative	<input type="checkbox"/>
Policy maker or regulator, incl. standardisation body	<input type="checkbox"/>
Research performer	<input type="checkbox"/>
Technology developer	<input type="checkbox"/>

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal

Name of Project or Activity	Short description

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work

Name of infrastructure or equipment	Short description

Tabla de investigadores implicados en la propuesta

Application Forms

Proposal ID XXXXXXXXX

Acronym XXXXXXXX

Participant short name: XXXX

Researchers involved in the proposal

Include only the researchers involved in the proposal, (see below definition of researcher). You do not need to include in the table the identity of other persons involved in the proposal who are not researchers.

'Researchers are professionals engaged in the conception or creation of new knowledge. They conduct research and improve or develop concepts, theories, models, techniques, instrumentation, software or operational methods. (Frascati Manual 2015)

Include also person in charge of the proposal if a researcher.

Title	First Name	Last Name	Gender	Nationality	E-mail	Career stage ¹	Role of researcher (in the project)	Reference Identifier	Type of identifier
			[Woman] [Man] [Non-binary]			[Category A – Top grade researcher] [Category B – Senior researcher] [Category C – Recognised researcher] [Category D – First stage researcher]	[Leading] [Team member]		[ORCID] [Researcher Id] [Other - specify]

¹ Career stages as defined in Frascati 2015 manual:

Category A – Top grade researcher: the single highest grade/post at which research is normally conducted. Example: 'Full professor' or 'Director of research'.

Category B – Senior researcher: Researchers working in positions not as senior as top position but more senior than newly qualified doctoral graduates (IsCED level 8). Examples: 'associate professor' or 'senior researcher' or 'principal investigator'.

Category C – Recognised researcher: the first grade/post into which a newly qualified doctoral graduate would normally be recruited. Examples: 'assistant professor', 'investigator' or 'post-doctoral fellow'.

Category D – First stage researcher: Either doctoral students at the IsCED level 8 who are engaged as researchers, or researchers working in posts that do not normally require a doctorate degree. Examples: 'PhD students' or 'junior researchers' (without a PhD).

Version of template used

Page 11 of 24

Last saved dd/mm/yyyy HH:mm

This proposal version was submitted by [Name, FAMILY NAME] on [dd/mm/yyyy HH:mm:ss] Brussels Local Time. Issued by the Funding and Tenders Portal Submission Service.

- Con fines estadísticos para la CE para seguimiento de la carrera de los investigadores (Indicador HE)
- Se usará en caso de que sea necesario llegar al criterio de **“Gender balance”** en los desempates.
- Se incluyen los investigadores de todos los tipos de entidad
- Orientación: Manual de Frascati

Gender equality plan (GEP)

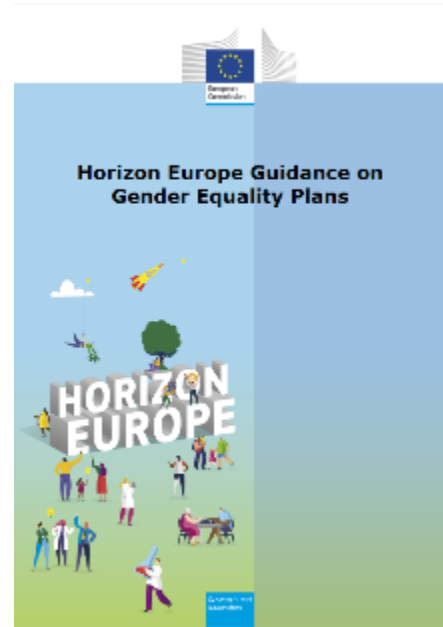
Gender equality plan		
<p><i>Having a gender equality plan is an eligibility criterion for Public bodies, Higher education establishments and Research organisations from Member States and Associated Countries. Be aware that if the proposal is selected, having a Gender Equality Plan will be necessary before the grant agreement signature (applicable on calls with deadlines in 2022 and beyond).</i></p>		
<p>Does the organisation have a Gender Equality Plan (GEP) covering the elements listed below?</p>		<p><input type="radio"/> Yes <input type="radio"/> No</p>
<p>Minimum process-related requirements (building blocks) for a GEP</p> <ul style="list-style-type: none"> - Publication: formal document published on the institution's website and signed by the top management - Dedicated resources: commitment of human resources and gender expertise to implement it. - Data collection and monitoring: sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators. - Training: Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers. 		
<p>Content-wise, recommended areas to be covered and addressed via concrete measures and targets are:</p> <ul style="list-style-type: none"> o work-life balance and organisational culture; o gender balance in leadership and decision-making; o gender equality in recruitment and career progression; o integration of the gender dimension into research and teaching content; o measures against gender-based violence including sexual harassment. 		

➤ **Autodeclaración** para todos los participantes.

Gender equality plan (GEP)

➤ **Plan de igualdad de género:**
Condición de elegibilidad a partir de convocatorias con fechas de cierre en 2022 para entidades públicas, centros de investigación y universidades de los EEMM y PPAA.

Hay que tenerlo publicado antes de la firma del GA, sino la entidad no sería elegible para recibir financiación.



<https://op.europa.eu/es/publication-detail/-/publication/ffcb06c3-200a-11ec-bd8e-01aa75ed71a1/language-en/format-PDF/source-232129669>

4. Ética y seguridad

Tabla sobre asuntos éticos

1. HUMAN EMBRYONIC STEM CELLS AND HUMAN EMBRYOS		Page
Does this activity involve Human Embryonic Stem Cells (hESCs)?		<input type="radio"/> Yes <input type="radio"/> No
If YES:	Will they be directly derived from embryos within this project?	<input type="radio"/> Yes <input type="radio"/> No
	Are they previously established cell lines?	<input type="radio"/> Yes <input type="radio"/> No
	Are the cell lines registered in the European registry for human embryonic stem cell lines?	<input type="radio"/> Yes <input type="radio"/> No
Does this activity involve the use of human embryos?		<input type="radio"/> Yes <input type="radio"/> No
If YES:	Will the activity lead to their destruction?	<input type="radio"/> Yes <input type="radio"/> No
2. HUMANS		Page
Does this activity involve human participants?		<input type="radio"/> Yes <input type="radio"/> No
If YES:	Are they volunteers for non-medical studies (e.g. social or human sciences research)?	<input type="radio"/> Yes <input type="radio"/> No
	Are they healthy volunteers for medical studies?	<input type="radio"/> Yes <input type="radio"/> No
	Are they patients for medical studies?	<input type="radio"/> Yes <input type="radio"/> No
	Are they potentially vulnerable individuals or groups?	<input type="radio"/> Yes <input type="radio"/> No
	Are they children/minors?	<input type="radio"/> Yes <input type="radio"/> No
	Are they other persons unable to give informed consent?	<input type="radio"/> Yes <input type="radio"/> No

1. HUMAN EMBRYONIC STEM CELLS AND HUMAN EMBRYOS
2. HUMANS
3. HUMAN CELLS / TISSUES
4. PERSONAL DATA
5. ANIMALS
6. NON-EU COUNTRIES
7. ENVIRONMENT, HEALTH and SAFETY.
8. ARTIFICIAL INTELLIGENCE.
9. OTHER ETHICS ISSUES (e.g. Misuse)

Autoevaluación ética

ETHICS SELF-ASSESSMENT

If you have entered any issues in the ethics issue table, you must perform an ethics self-assessment in accordance with the guidelines "How to Complete your Ethics Self-Assessment" and complete the table below.

Ethical dimension of the objectives, methodology and likely impact

Explain in detail the identified issues in relation to:

- objectives of the activities (e.g. study of vulnerable populations, etc.)
- methodology (e.g. clinical trials, involvement of children, protection of personal data, etc.)
- the potential impact of the activities (e.g. environmental damage, stigmatisation of particular social groups, political or financial adverse consequences, misuse, etc.)

Compliance with ethical principles and relevant legislations

Describe how the issue(s) identified in the ethics issues table above will be addressed in order to adhere to the ethical principles and what will be done to ensure that the activities are compliant with the EU/national legal and ethical requirements of the country or countries where the tasks are to be carried out. It is reminded that for activities performed in a non-EU countries, they should also be allowed in at least one EU Member State.

- Si se responde "Sí" a alguna de las preguntas de la tabla, hay que proporcionar información adicional sobre esa cuestión de ética en el apartado de "Ethics Self-Assessment".

[Guía para completar la autoevaluación ética](#)



EU Grants

How to complete your ethics self-assessment

[Los Lunes de CDTI-SOST Bruselas \(S9\): Sección 3. Aspectos éticos en Horizonte Europa](#)

Cuestionario sobre seguridad

Escrutinio de seguridad sistemática en todas las propuestas basada en la autoevaluación incluida en la propuesta y centrada en determinar:

- Si la propuesta utiliza o genera **información clasificada de la UE**.
- El **potencial de uso indebido** de los resultados (que podrían canalizarse hacia la delincuencia o el terrorismo).
- Si las actividades implican **información o materiales sujetos a restricciones de seguridad nacional**.

Security issues table
Please indicate, by answering Yes or No to all of the questions in the below table, if the proposed activity will use and/or generate information which might raise security concerns. If an answer is Yes, then indicate in the adjacent box at which page in your full proposal further information relating to that issue can be found.

1. EU classified information (EUCI) ²			Page
Does this activity involve information and/or materials requiring protection against unauthorised disclosure (EUCI)?		<input type="radio"/> Yes <input type="radio"/> No	
IF YES:	Is the activity going to use classified information as background ³ information?	<input type="radio"/> Yes <input type="radio"/> No	
	Is the activity going to generate EU classified foreground ⁴ information as results?	<input type="radio"/> Yes <input type="radio"/> No	
Does this activity involve non-EU countries?		<input type="radio"/> Yes <input type="radio"/> No	
IF YES:	Do participants from non-EU countries need to have access to EUCI?	<input type="radio"/> Yes <input type="radio"/> No	
	Do the non-EU countries concerned have a security of information agreement with the EU	<input type="radio"/> Yes <input type="radio"/> No	
2. MISUSE			Page
Does this activity have the potential for misuse of results?		<input type="radio"/> Yes <input type="radio"/> No	
IF YES:	Does the activity provide knowledge, materials and technologies that could be channelled into crime and/or terrorism?	<input type="radio"/> Yes <input type="radio"/> No	
	Could the activity result in the development of chemical, biological, radiological or nuclear (CBRN) weapons and the means for their delivery?	<input type="radio"/> Yes <input type="radio"/> No	
3. OTHER SECURITY ISSUES			Page
Does this activity involve information and/or materials subject to national security restrictions?		<input type="radio"/> Yes <input type="radio"/> No	
If yes, please specify (Minimum number of characters allowed: 1000)			

5. Otras cuestiones

5 – Other questions

Two-stage calls

The full stage-2 proposal must be consistent with the short outline proposal submitted to the stage 1 – in particular with respect to the proposal characteristics addressing the concepts of excellence and impact.

Are there substantial differences compared to the stage-1 proposal?

Yes No

Questions showed only in answer is Yes:

Please list the substantial differences, and indicate the reasons

<input type="checkbox"/>	Partnership	List the substantial differences and indicate the reasons
<input type="checkbox"/>	Budget	List the substantial differences and indicate the reasons
<input type="checkbox"/>	Approach	List the substantial differences and indicate the reasons

- Convocatorias en 2 fases:
- Habrá que indicar si ha habido cambios sustanciales de la fase 1 a la fase 2 en socios, presupuesto y/o enfoque.
- Explicar y justificar adecuadamente los cambios

PARTE B.- EXCELENCIA - Plantilla de la propuesta



Part B

1.1 Objectives and ambition

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

1.2 Methodology

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



Políticas y aspectos horizontales

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

Specific calls may include other aspects to take into account



Open Science across the programme



Gender dimension in R&I content



Do no significant harm principle (DNSH)



Artificial intelligence (AI)



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

Horizontal aspects – SSH



SSH

- Assessing the effective contribution of **social science and humanities** disciplines as part of the scientific methodology of the project.
- Solo **cuando lo requiera** el topic.

HORIZON-CL4-2024-TWIN-TRANSITION-01-12: Enhanced assessment, intervention and repair of civil engineering infrastructure (RIA)	Present a strategy for skills development, associating social partners where relevant, integrating SSH aspects and including relevant tools such as MOOCs (massive open online courses).
HORIZON-CL4-2024-RESILIENCE-01-35: Biodegradable polymers for sustainable packaging materials (IA)	This topic requires the effective contribution of SSH disciplines and the involvement of SSH experts, institutions as well as the inclusion of relevant SSH expertise, in order to produce meaningful and significant effects enhancing the societal impact of the related research activities. An early involvement of end users could be essential.

Horizontal aspects – SSH



SSH

[Enlace a la sesión](#)

The screenshot shows the NCP Portal interface. At the top, there is a navigation bar with the 'HE NCP PORTAL' logo and 'Login' options. The main heading is 'Integrating Social Sciences and Humanities in Horizon Europe'. Below this, a text block states: 'This information session is designed to provide Horizon Europe NCPs with information on the state of SSH Integration'. To the left is a video thumbnail with a red bokeh background and a person's silhouette. To the right, session details are listed: 'Date: May 26 2021 | 10am - 12pm CEST' and 'Location: Online'. A 'Horizon Academy' logo is also present, along with the text 'NCP Portal management' and 'Horizon Academy: connecting and training NCPs toward a unified support system'. At the bottom of the session details, there is a button that says 'Watch the full session here or chapters below'.

Horizontal aspects – SSH



SSH

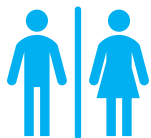
Factsheets on good SSH Integration practice

- Good practice examples on how to successfully design and implement inter- and multidisciplinary research projects funded under H2020
 - Based on interviews with project coordinators of flagged-topics
 - Specific focus on inclusion of SSH researchers and how achieved
- [“Success Stories in SSH-STEM collaboration”](#)



[SSH interdisciplinarity in Horizon Europe](#)

Horizontal aspects – Gender dimension

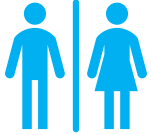


Gender dimension

- **Elegibilidad: Gender Equality Plan** (applicable for public bodies, research organizations or higher education institutions)
- **Evaluación: Integration of the gender dimension** (*taking into account sex and gender in the whole R&I process.*)
- **Ranking: Gender balance (for “ex aequo” proposals)**

HORIZON-CL4-2024-TWIN-TRANSITION-01-38: H4C	Favour participative management with the local community and study the evolution of the social impact of the hub, whilst also considering gender perspective and inclusiveness;
HORIZON-CL4-2024-RESILIENCE-01-01: Exploration of critical raw materials in deep land deposits (RIA) Y varios topics con el texto similar HORIZON-CL4-2024-RESILIENCE-01-41: 'Innovate to transform' support for SME's sustainability transition (CSA)	In this topic the integration of the gender dimension (sex and/or gender analysis) in research and innovation content is not a mandatory requirement , however, should you consider it to be of relevance for your specific proposal, you are strongly encouraged to do it.

Horizontal aspects – Gender dimension



Gender dimension

- **Elegibilidad: Gender Equality Plan** (applicable for public bodies, research organizations or higher education institutions)
- **Evaluación: Integration of the gender dimension** (*taking into account sex and gender in the whole R&I process.*)
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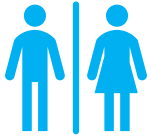
[Estrategia de Igualdad de Género de la CE 2020-25](#)

Referencia a la I+I y Horizonte Europa

Nuevas medidas en Horizonte Europa:

- Obligatoriedad de contar con un Plan de igualdad para algunas entidades
- Iniciativa para incrementar el número de start-ups lideradas por mujeres
- Financiación de la investigación de género e interseccional

Horizontal aspects – Gender dimension



Gender dimension

- **Elegibilidad: Gender Equality Plan** (applicable for public bodies, research organizations or higher education institutions)
- **Evaluación: Integration of the gender dimension** (*taking into account sex and gender in the whole R&I process.*)
- **Ranking: Gender balance** (for “*ex aequo*” proposals)

Documento de interés: [Declaración de Liubliana](#) sobre Igualdad de Género en la Investigación y la Innovación (21 de septiembre de 2021)

Más Info: Sesión [Los Lunes de SOST-Bruselas: Gender Dimension.](#)



Horizontal aspects - Open science en todo el programa

Open Science

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

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

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

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

Horizontal aspects – DSNH & AI



DSNH



Artificial
intelligence

- “**Do no significant harm (DSNH)**”: R&I activities should not make a significant harm to any of the six **environmental** objectives. **Evaluators will not score** compliance with DSNH (*excepto si se indica explicitamente*).



CLIMATE CHANGE
MITIGATION

CLIMATE CHANGE
ADAPTATION



SUSTAINABILITY AND
PROTECTION OF WATER AND
MARINE SOURCES

TRANSITION TO CIRCULAR
ECONOMY



POLLUTION AND
PREVENTION CONTROL

PROTECTION AND
RESTORATION OF BIODIVERSITY
AND ECOSYSTEMS



- **Artificial intelligence** Due diligence is required regarding the **trustworthiness** of all AI-based systems/ techniques: *Technically/ socially robust, Reliable, Decision-making process*

Sesión Indoday nacional CDTI con ponencia específica en IA

<https://youtu.be/Y79YIXUKv58?t=3930>

Anexos a la parte B de la propuesta

- **CLINICAL TRIALS:** Annex with information on clinical trials
- **FINANCIAL SUPPORT TO THIRD PARTIES:** Annex with information on financial support to third parties.
- **CALLS FLAGGED AS SECURITY SENSITIVE:** Annex with information on security aspects.
- **ETHICS:** ethics self-assessment should be included in proposal part A. However, in calls where several serious ethics issues are expected, the character limited in this section of proposal part A may not be sufficient for participants to give all necessary information. In those cases, participants may include additional information in an annex to proposal part B.

Más información y recomendaciones

Los Lunes de CDTI-SOST Bruselas (S7): Workplan, WP's, resources & consortium as a whole

- La calidad y la eficiencia en la **implementación**. Fernando Martín. NCP Clúster 4 – Digital - CDTI.
- <https://youtu.be/YVOF1o3qWio?t=333>

Los Lunes de CDTI-SOST Bruselas (S8): Focus on Risk Plan

- Gestión y **Plan de riesgos**. Enrique Pelayo. NCP Clúster 4 – Digital - CDTI.
- <https://youtu.be/52QEBEsyvnk?t=240>

Apoyo al participante y eventos destacados

CDTI Sesión lanzamiento convocatoria 2024. Próximo **19 de septiembre** (on line).
Registro abierto. (*eventos.cdti.es*)

- **CDTI Infoday nacional 19 de Octubre** (presencial). (*eventos.cdti.es*). **Registro abierto**
- **CDTI, taller on line apoyo a los participantes, 14 de diciembre.**
- **Web Horizonte Europa** <https://www.horizonteeuropa.es/> . **Servicio alertas RSS** (suscribirse)



Buscar... 

CIENCIA EXCELENTE

DESAFÍOS MUNDIALES

EUROPA INNOVADORA

WIDENING+ERA

MÁS EUROPA



Apoyo al participante y eventos destacados

Participación en infodays regionales

- *Castilla y León (Ávila), 26 de Octubre*
- *Comunidad Valenciana (Castellón), 30 de octubre*
- *Galicia (Santiago de Compostela), 3 de noviembre.*
- *Andalucía (on line), 12 diciembre*
- *Cataluña, taller de revisión de propuestas, presencial (11 de enero)*



Eventos



Noticias

Puntos nacionales de contacto

Apoyo al participante y eventos destacados

Eventos de ámbito europeo

- **11-12 Octubre:** Horizon Europe info days Cluster 4. Digital, Industria y Espacio (grabación disponible)
- <https://research-innovation-community.ec.europa.eu/events/1z2tF6FuhrcaQJ8b4G6pVu/programme>
- **19 de Octubre-7 de febrero.** Brokerage event Comisión Europea. Jornada de lanzamiento y participación abierta durante el periodo.
- <https://ncp4industry.eu/events/horizon-europe-industry-2024-brokerage-event/>
- **Jornada Partenariado Clean Steel, 13 de diciembre.**
<https://www.horizonteeuropa.es/jornada-informativa-clean-steel-partnership>
- Red de NCPs. www.ncp4industry.eu



Equipo de Apoyo al participante



nieves.gonzalez@cdti.es



carlos.toledo@cdti.es

Servicios de apoyo al participante

- *Reuniones presenciales y virtuales*
- *Revisión de ideas de proyectos*
- *Interpretación y adaptación al topics*
- *Apoyo en la búsqueda de consorcios*
- *Revisión de propuestas en fase de escritura*

Nueva web CDTI [Home](#) | [CDTI](#)



The screenshot displays the top navigation bar of the CDTI website. On the left, there are logos for the Spanish Government (GOBIERNO DE ESPAÑA), the Ministry of Science, Innovation and Universities (MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES), the CDTI logo, and the U23 logo. The navigation menu includes 'EL CDTI', 'AYUDAS Y SERVICIOS', and 'COMUNICACIÓN'. A search bar with the placeholder 'Escribe aquí para buscar' and a user profile icon are also present. The 'COMUNICACIÓN' menu is open, showing options: 'Actualidad', 'Notas de prensa', 'Registro de periodistas', 'Suscripción a Listas de distribución' (highlighted in green), and 'Eventos'. The main content area features a large blue banner with the word 'ACTUALIDAD' and the text 'Todas las noticias relevantes sobre la actividad del CDTI, a un solo click.' A blue arrow points from the 'COMUNICACIÓN' menu item to the 'Suscripción a Listas de distribución' option.

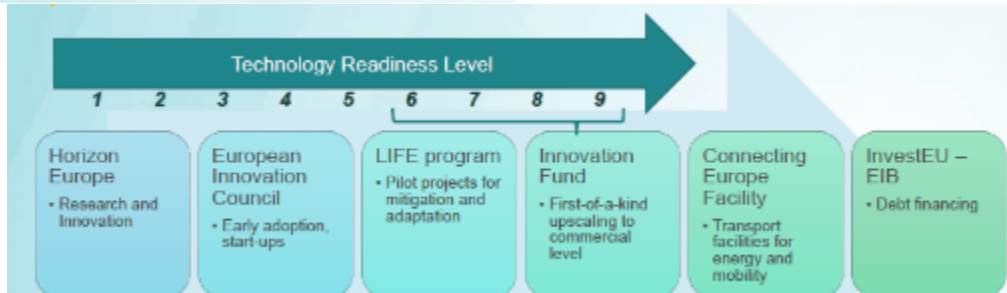
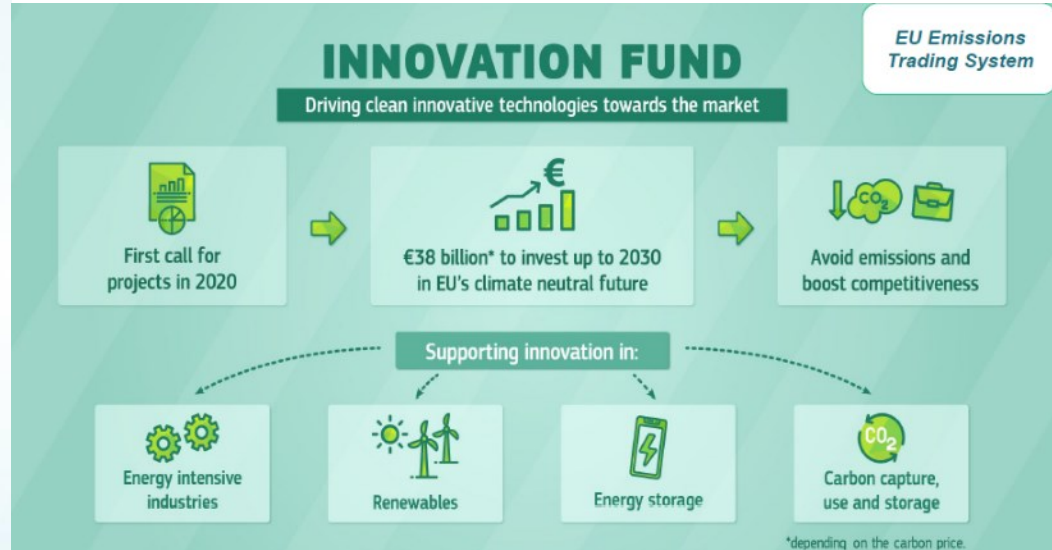
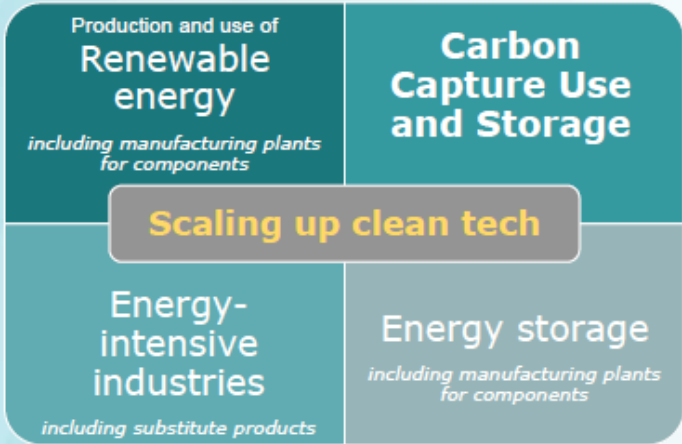
+info sobre programas y ayudas CDTI
para
proyectos de I+D empresarial e innovación



@CDTI_innovacion

Sinergias dentro y fuera de Horizonte Europa

Innovation Fund in a nutshell



Sinergias Innovation Fund y metodología para GHG

The inclusion of a GHG avoidance methodology is recommended and should provide detailed description of baselines and projected reductions.

[call-annex c innovfund-lsc-2021 en.pdf \(europa.eu\)](#)

EU Grants: InnovFund-LSC-2021 Call document Annex C: V3.1 – 07.02.2022

Annex C: Methodology for GHG Emission Avoidance Calculation

HORIZON-CL4-2024-TWIN-TRANSITION-01-32: Optimisation of thermal energy flows in the process industry (Processes4Planet partnership) (IA)

HORIZON-CL4-2024-TWIN-TRANSITION-01-35: Turning CO2 emissions from the process industry to feedstock (Processes4Planet partnership) (IA)

Sinergias Innovation Fund y metodología para GHG

EU Grants: InnovFund-LSC-2021 Call document Annex C: V3.1 – 07.02.2022

Annex C: Methodology for GHG Emission Avoidance Calculation

Example: An innovative process produces ethylene and propylene as principal products. Ethylene and propylene are co-products of the conventional steam cracking process, for which there is an EU ETS benchmark. The EU ETS benchmark for steam cracking may be used as a combined reference providing the outputs of ethylene and propylene from the project. The description of the benchmark (definition of products covered) reads: "Mix of high value chemicals (HVC) [...] with an ethylene content in the total product mix of at least 30 mass-percent and a content of HVC, fuel gas, butenes and liquid hydrocarbons of together at least 50 mass-percent of the total product mix".

Example: hydrogen used to produce a synthetic fuel

If the hydrogen production is under the control of the applicant (e.g., the applicant owns and operates an electrolyser) then hydrogen production should be brought into the system boundary and treated as part of the process along with synthetic fuel production.

If however hydrogen is produced by a third-party operated facility, and the applicant is not able to arrange access to data in order to bring this facility inside the system boundary, then the hydrogen will be treated as an input.

Symbiosis Readiness level - H4C

[Study and portfolio review of the projects on industrial symbiosis in DG Research and Innovation - Publications Office of the EU \(europa.eu\)](#)



★★★★★ Rate this publication

Study and portfolio review of the projects on industrial symbiosis in DG Research and Innovation

Findings and recommendations

Industrial symbiosis is a cooperative approach between industries: waste, by-products, surplus in energy or wastewater available in one company is supplied to other companies, often in a geographical proximity, for production. It belongs to the policy on circular economy and has significant potential for decarbonising

HORIZON-CL4-2024-TWIN-TRANSITION-01-38: Hubs for circularity for industrialised urban peripheral areas (Processes4Planet partnership) (IA)

Symbiosis Readiness level - H4C

★★★★★ Rate this publication

Study and portfolio review of the projects on industrial symbiosis in DG Research and Innovation

Findings and recommendations

The following matrix is proposed in order to assess the status of an industrial symbiosis project or site comprehensively. Progress in all four dimensions is usually required to reach a certain **SRL**.

Symbiosis readiness level	Technology	Business	Ecology	Management
9	Commercialisation	Business case continuously controlled, reported and shared	Sustainability benefits proven	Resilient partnership
8	Extended operation	Finalise legal framework	Benefits routinely monitored and reported	Practical operation and management starts
7	Demonstration	Partners committed	Monitoring and reporting begins	Senior management is involved and supports industrial symbiosis case
6	Prototype demonstration 'looks like'	Business case with all details	Permits applied for	Concept for joint management is developed
5	Breadboard demonstration 'acts like'	Evaluate competitiveness	Sustainability assessment finalised	Partners start joint evaluation of industrial symbiosis. potential
4	Proof of concept validation	Check resources and criteria	Sustainability assessment in progress	Partners indicate interest
3	Proof of concept research (bench scale)	Check fit with strategies of partners	Thorough data collection	First contact with partners
2	Academic research	Develop concept	Rough estimate	Potential partners (*) identified
1	Initial ideas			

Figure 3. Proposal for defining the symbiosis readiness level

✓ Algunos shortcomings. EXCELENCIA

Clarity of project's objectives:

- Objectives' evaluation metrics are **not sufficiently quantified**.
- **The maturity** of the proposed work is insufficiently defined.
- Some **objectives are generic** and not fully measurable and verifiable.
- The **transferability of the outcomes is sometimes questionable**, especially across wide ranges of geographical locations, **building types** and regulatory contexts.

Ambition:

- The **benefits** of some approaches are **overestimated** and not sufficiently explained.
- Some objectives **lack innovation**.
- Objectives are defined to achieve **incremental advances** in various data-related areas **rather than being ground-breaking**.

The extent to which the proposed work is going beyond state-of-the-art:

- The progress **beyond the state of the art is sometimes weakly described**.
- The description of the **synergy among techniques used is sometimes weak**.

HORIZON-CL4-2023-RESILIENCE-01-33

✓ Algunos shortcomings. EXCELENCIA

The **measurability of objectives** is not fully substantiated with specific, quantified key performances.

Citation of recent research in the **state-of-the art** description is outdated.

Machine learning and AI algorithms, and the validation approach are insufficiently described.

Some parts of the methodology are not clearly described, as for instance **the interconnection in material development**.

Issues of **AI robustness** with respect to accuracy and possible biases miss information.

The way **expertise and methods** from various fields **will be integrated is not fully detailed**.

SSH integration is only briefly discussed.

The **open-access** aspects are **focused more on scientific publications and lack information on early and open sharing of research**.

HORIZON-CL4-2023-RESILIENCE-01-34

✓ Algunos shortcomings. EXCELENCIA

The specific objectives do not adequately address the need to undertake a **proof of concept of the product in real-life case studies**.

The proposal **doesn't sufficiently reflect on the actual state-of-art**, and on the extent of going beyond the current state of the concepts and technologies.

Innovative aspects of the proposal that **challenge state-of-the-art are insufficiently addressed**.

Not all the aspects of methodology are clear. The proposal does not sufficiently explain the appropriateness of the methodology to address the research goals and target products.

Gender dimension in the proposed work is **not appropriately considered**.

The contribution of the **Social Sciences and Humanities (SSH) disciplines is not sufficiently considered**.

FAIR principals in data management are insufficiently discussed.

There are no sufficient details on the **potential links with past and ongoing EU projects**.

HORIZON-CL4-2023-RESILIENCE-01-37

✓ Algunos shortcomings. EXCELENCIA

Not sufficiently specified **how far** the proposed work would plausibly **exceed the state-of-the-art**.

Documented **preliminary results** are not sufficiently provided.

The proposal does **not provide sufficiently precise literature citations**.

Some specific **aspects of the methodology** are not enough detailed to substantiate plausibility and credibility of the work.

The innovative ideas are not sufficiently detailed to explain how to reach **the target KPIs**.

A **clear plan for SSH** involvement is missing.

HORIZON-CL4-2023-RESILIENCE-01-33

✓ Algunos shortcomings. IMPACTO

The **societal impact** in terms of **environmental monitoring and personal healthcare** for EU citizens is **not considered in adequate detail**.

The **technological impact** is **not sufficiently elaborated**.

End-users and stakeholders are identified **only as a general level**.

Sustainable manufacturing approaches have **not been considered in adequate depth**.

The **market opportunities** are **not enough specific** to the proposal.

The relevant barriers are presented on a general level, but no detailed description is given on the strategy regarding some important aspects such as **market adoption, standards, qualification, and user acceptance**.

HORIZON-CL4-2023-RESILIENCE-01-34

✓ Algunos shortcomings. IMPACTO

The scale and significance of the proposal's contribution to the expected outcomes and impacts are not sufficiently estimated and quantified.

There is no sufficient detail provided concerning baselines, benchmarks, assumptions, or KPIs that would allow for the verification of the targets.

Certain aspects such as setting baselines to measure progress against tracking KPIs, and feedback from stakeholders are not adequately considered.

The potential barriers and the proposed mitigation actions are only generally discussed.

The technological barriers are not clearly described, and the dissemination activities are not ambitious enough, which might endanger the end-user acceptance.

The exploitation strategies are not sufficiently detailed.

✓ Algunos shortcomings. IMPACTO

The **intellectual property** management is not properly considered in the context of valorization and industrial leadership.



No sufficient details in the description of a **business case and the exploitation strategy for industrialization.**

