#innovacion
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Convocatoria 2024 – Industria
Preguntas Frecuentes

Nieves González

Representante Nacional Cluster 4 Industria

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Centro para el Desarrollo Tecnológico y la Innovación

Cluster4 Industry Destination 1:
Climate neutral, circular and digitised production.
Call ***TWIN GREEN AND DIGITAL TRANSITION***

Call 2024

- Fase única:
  - ✓ Apertura: 19 de septiembre de 2023
  - ✓ Cierre: 7 de febrero de 2024
  - ✓ 9 topics
  - ✓ **M€ 251**
- 2 fases:
  - Apertura: 19 de septiembre de 2023
  - Cierre:
    - 7 de febrero de 2024 (1)
    - 24 de septiembre 2024 (2)
  - 2 topics
  - **M€ 37**

MADE IN EUROPE

PROCESSES4PLANET

CSP The Clean Steel Partnership

- ***A New Way to Build***

96 M€	2 topics + 1 (2s)
150 M€	5 topics
30 M€	2 topics
12 M€	1 topic (2S)

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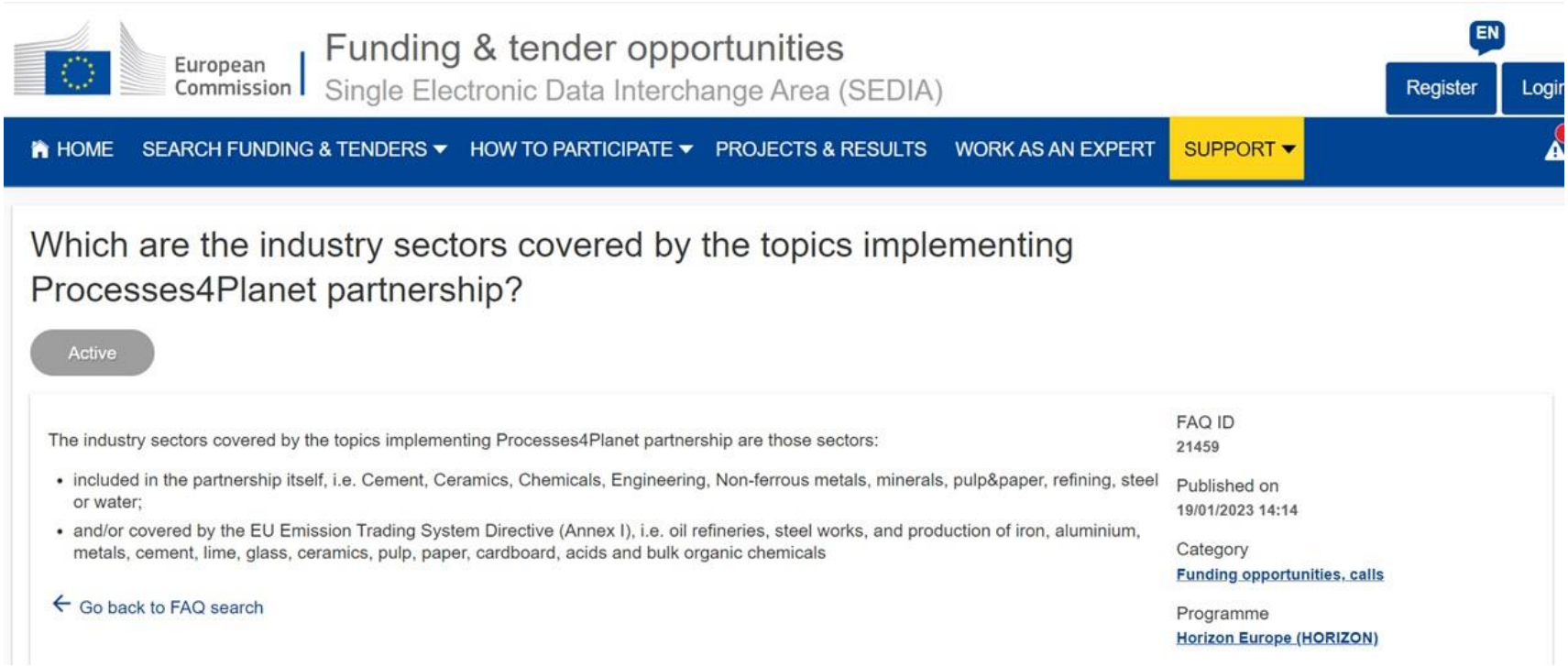
Twin Transition 2024: Processes4Planet



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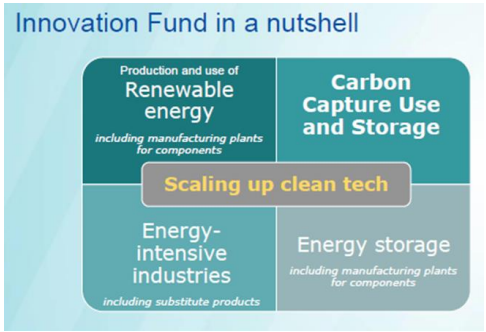
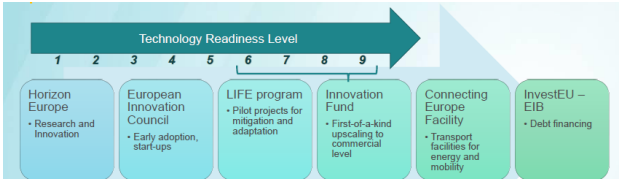
Sinergias Innovation Fund

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)





The inclusion of a GHG avoidance methodology[51] is recommended and should provide detailed description of baselines and projected reductions.

Sinergias Innovation Fund y metodología para GHG

call-annex_c_innovfund-lsc-2021_en.pdf (europa.eu)

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.

Hubs4Circularity: Symbiosis Readiness level - SRL

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

★★★★★ 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: was products, surplus in energy or wastewater available in one company is to other companies, often in a geographical proximity, for production. It to the policy on circular economy and has significant potential for decar

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.

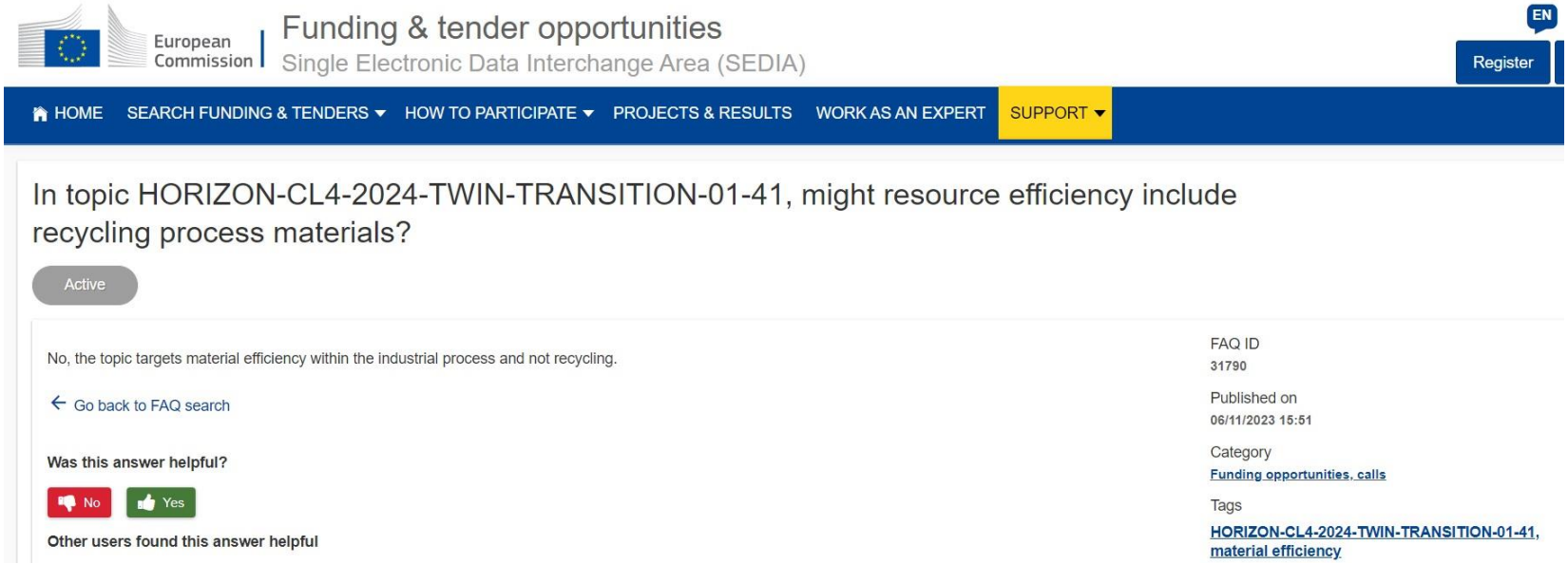
Hubs4Circularity
COMMUNITY OF PRACTICE

Hubs4Circularity (h4c-community.eu)

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

Twin Transition 2024: Processes4Planet



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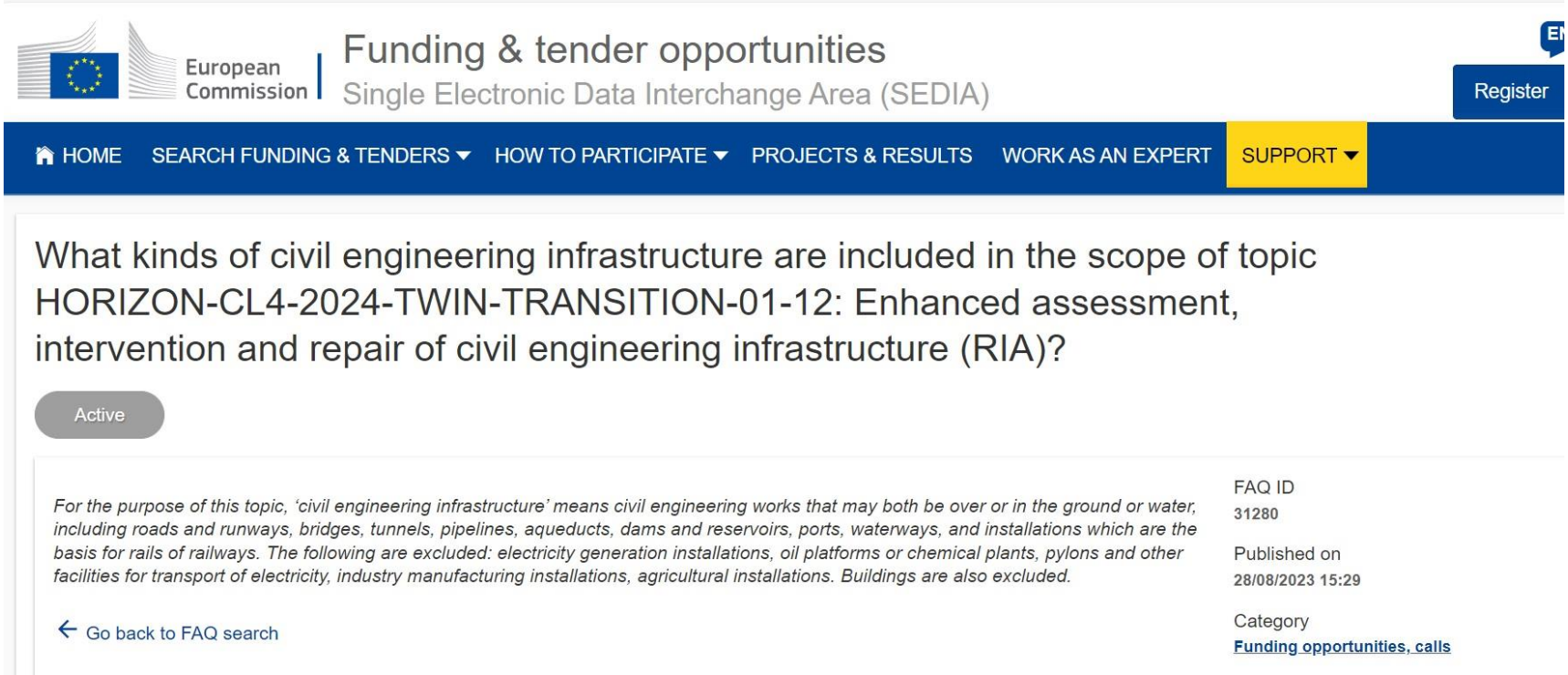
Twin Transition 2024: Made in Europe

Twin Transition 2024: A New Way to Build



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Cluster4 Industry Destination 2:
Increased autonomy in key strategic value chains for resilient industry.
Call *RESILIENT VALUE CHAINS*

Call 2024

- Fase única:
  - ✓ Apertura: 19 de septiembre de 2023
  - ✓ Cierre: 7 de febrero de 2024
  - ✓ 7 topics
  - ✓ M€ 190,20
- 2 fases:
  - Apertura: 19 de septiembre de 2023
  - Cierre:
    - ✓ 7 de febrero de 2024 (1)
    - ✓ 24 de septiembre 2024 (2)
  - 2 topics
  - M€ 62

Raw Materials	5 topics	91,2 M€
Safe and Sustainable by Design (SSbD) Chemicals and materials	1 topic	59 M€
Strategic Innovation Markets driven by Advanced Materials	2 topics (2 stages)	62 m€
Improving the resilience of EU businesses, especially SMEs and Startups	1 topics	10 M€

Resilience 2024: Raw Materials

List of Critical Raw Materials for the EU 2023

Aluminium/Bauxite	Germanium	Phosphorus	Arsenic
Antimony	Hafnium	Scandium	Copper
Baryte	Heavy Rare Earths	Silicon metal	Feldspar
Beryllium	Light Rare Earths	Strontium	Helium
Bismuth	Lithium	Tantalum	Manganese
Borate	Magnesium	Titanium	Nickel
Cobalt	Natural Graphite	Tungsten	~~Indium~~
Coking Coal	Niobium	Vanadium	~~Natural Rubber~~
Fluorspar	Platinum Group Metals	Bauxite	
Gallium	Phosphate Rock	Lithium	

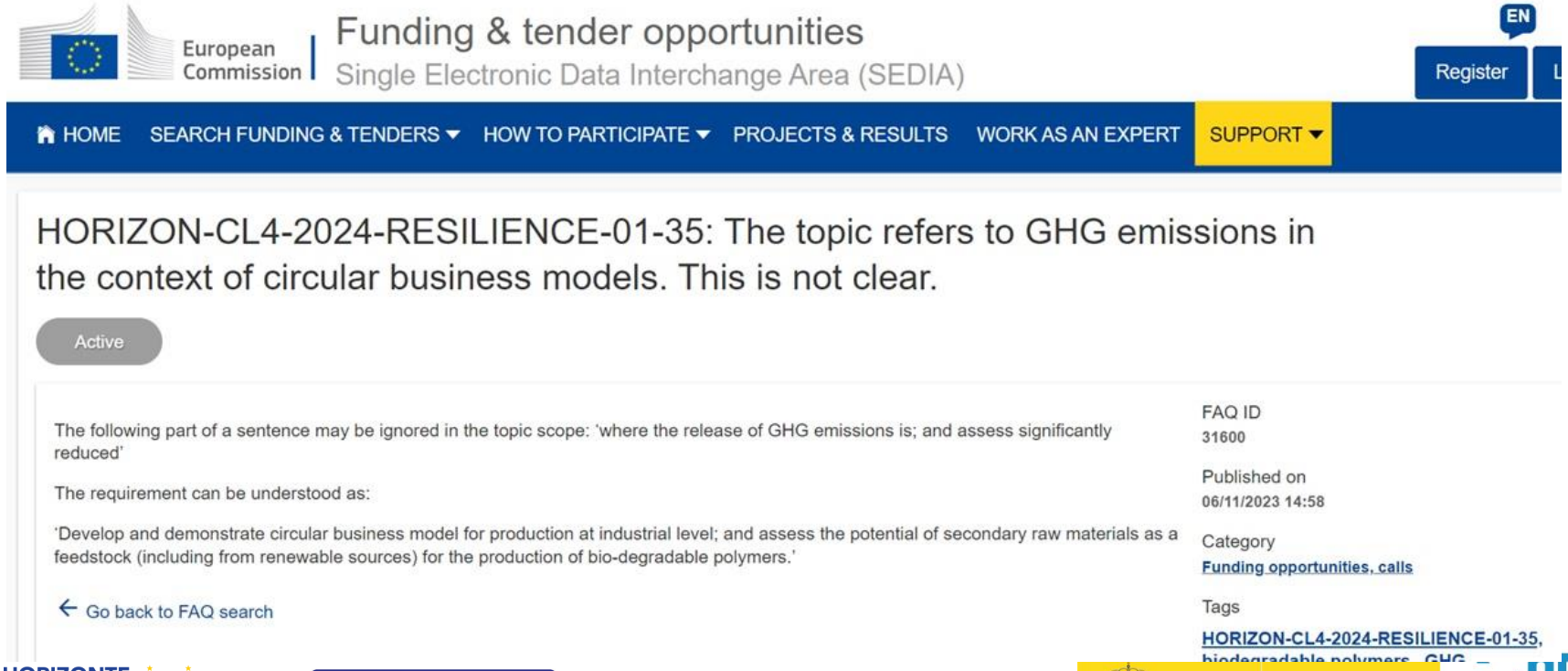
Resilience 2024: Raw Materials

Eligibility conditions	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.

La UE ha firmado asociaciones estratégicas sobre Materias Primas con:
Canadá, Ucrania, Kazakhstan, Namibia, Argentina, Chile, Zambia, República Democrática de Congo…

(Cualquier país con que se formalice acuerdo antes del cierre de convocatoria sería elegible)

Resilience 2024: Advanced Materials



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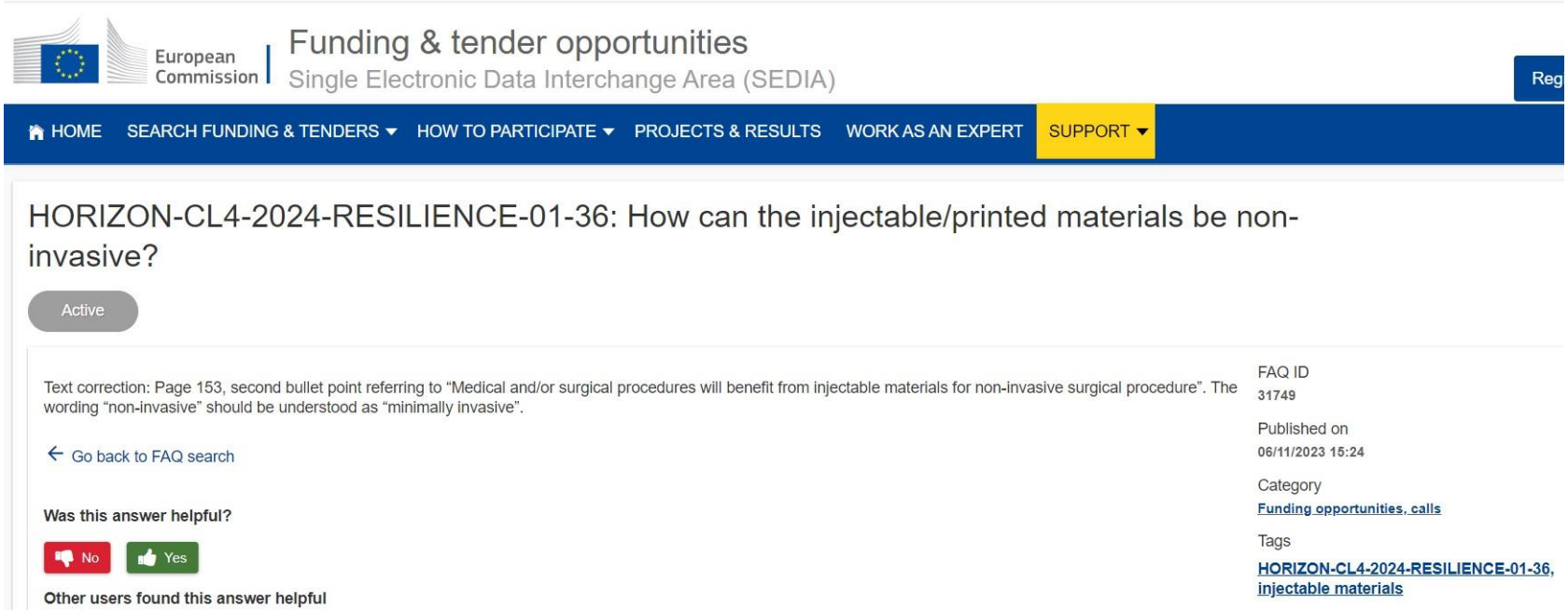
Resilience 2024: Advanced Materials



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Resilience 2024: SSbD

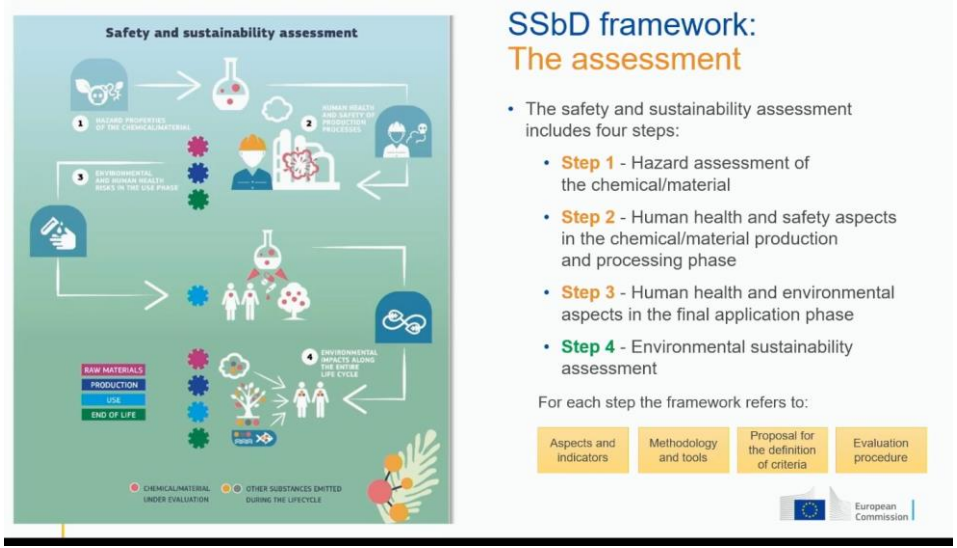
HORIZON-CL4-2024-RESILIENCE-01-24: Development of Safe and Sustainable by Design alternatives (IA)


COMMISSION RECOMMENDATION

of 8.12.2022

establishing a European assessment framework for 'safe and sustainable by design' chemicals and materials

EN EN



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IRISS

IRISS (iriss-ssbd.eu)

Principales errores (ESRs convocatorias anteriores)

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.

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

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.

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

Principales errores (ESRs convocatorias anteriores)

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.

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

The **exploitation strategies** are not sufficiently detailed.

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**.

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

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

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

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para
proyectos de I+D empresarial e innovación

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