CBE JU specific Call 2024 requirements

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Call 2024 specific requirements

• The requirements are compulsory to ALL proposals

• aim at ensuring that all funded projects will:
  
  • use **sustainably sourced feedstock** within SRIA scope
  • achieve **high standards of environmental sustainability and protection**
  • ensure **technoeconomic feasibility** and **good business opportunities**
  • include the participation of all relevant actors
  • consider the inclusion of **digital technologies, cross-disciplinary aspects & Social Sciences and Humanities (SSH)**

• Check the **work programme section on requirements** common to all topics
## Specific CBE JU requirement

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Feedstock sourcing (eligibility condition)

All RIAs and IAs, including Flagships

• If the bio-based feedstock is processed in EU/EEA/EFTA countries, the bio-based feedstock comes from such countries or from neighbouring associated countries

• If the bio-based feedstock is processed in an associated country, the bio-based feedstock comes from the same country or from neighbouring EU/EEA/EFTA countries

• **Exception**: limited samples of bio-based feedstock for the purpose of testing processes or technologies

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**EFTA**: European Free Trade Association: Iceland, Liechtenstein, Norway, and Switzerland

**EEA**: 27 EU countries, plus Iceland, Liechtenstein, Norway

**Associated countries to Horizon Europe**: see https://europa.eu/!HN6KMv
Feedstock sustainability requirements

All RIAs and IAs, including Flagships

- In line with the CBE JU SRIA feedstock scope (see Annex V)
- Respects **food first** and **cascading use** principles
- Surplus streams from agricultural biomass processing (carbohydrates, oils,…) allowed

Tips

- ✓ Describe the feedstock in your proposal’s **Part B section 1.2. Methodology**
- ✓ **Include information** on how the feedstock is produced respecting local ecological limits, and ensuring protection, enhancement and restoration of biodiversity and ecosystems services
- ✓ As much as possible, the **feedstock should come from short supply chains**
Feedstock sustainability requirements

12 requirements for all RIAs and IAs, including Flagships on:

• Climate change mitigation
• Biodiversity protection
• Zero pollution ambition (air/water/soil)
• Water resources protection
Assessment of environmental performance ex-ante

All RIAs and IAs, including Flagships must include in the proposal:

• An **identification of the environmental critical issues** early on and the explanation on how the project will steer the development process in the right direction.

• An **ex-ante estimation of the environmental sustainability performance**, including climate neutrality, resource efficiency, zero pollution and circularity of the proposed processes/products, **compared to benchmarks**.

• If applicable, a preliminary assessment of the **carbon removal potential**.

**Tips:**

✓ Benchmark based on the best performing processes/products and well justified in the proposal

✓ Demonstrate how it will improve environmental performance
Assessment of environmental performance ex-post

All RIAs and IAs, including Flagships must include in the proposal:

Ex-post assessment of the environmental sustainability and circularity of all the products and processes developed and of their improvements compared with benchmark(s).

- **RIAs**: dedicated task to use the early-stage data to assess the potential improvements of the environmental performances of processes/products developed in the project.

- **IAs**: dedicated WP or task to assess ex-post the environmental impacts and circularity of the products or processes developed, using LCA methodologies, as part of the project.

- **Flagships**: dedicated WP or task to fully assess the environmental impacts and circularity of the developed products or processes, using life-cycle-sustainability assessment (LCSA) methodologies, as part of the project.
Multi-actor approach: who and why

Ensures adequate involvement of all key actors in the value chains relevant for the topic and the objective of the proposed project.

Involvement along the whole project’s course: from project idea, planning to implementation, communication and dissemination of results and to demonstration.

‘Co-creation’ process: the practical and local knowledge of key actors are used to develop solutions and create ‘co-ownership’ of results.

It results in speeding up the acceptability and uptake of new products, approaches and solutions developed by project.

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Involvement of all key actors in the value chains

- Relevant actors are clearly identified (e.g. depending on the topic, primary producers, processing industry, end-users, brand owners, etc.).

- Sufficient representation of relevant actors consortium or/and with other forms of engagement.

- Needs/ problems/challenges/opportunities of key actors (from biomass supply to end-users) are considered from concept idea to implementation.

- High-quality knowledge exchange activities, tools or/and mechanisms enable co-creation and co-ownership of results (e.g., participative workshops, advisory bodies, platforms, etc.) are planned.

- Dissemination and exploitation channels/ actions addressing to the targeted actors are used.

Involvement along the whole project’s course

Co-creation’ process and co-ownership’ of results

Acceptability and uptake
Multi-actor approach in practice

“Project XXX will develop an **Advisory Board of Farmers** including regional authorities, food manufacturers, farmers, biorefinery owners, investors etc.”

“In order to ensure a good engagement of the key stakeholders, **project partners cover the whole value chain from the field to the table** (farmers, technology providers, manufacturers, environmental assessment experts, end users).”

“**6 interregional workshops** will be held during the project to connect with actors from other regions not directly involved in the project.“

“Project XXX consortium will integrate both primary producers and owners / providers of side streams **directly and through biomass suppliers in contact with project partners.”**
Economic viability check / business case, model and plan

IA – Flagship

**Economic viability check**
A check of the economic viability of the products and processes to be developed (including an analysis of the value chain and potential market for the envisaged products)

**Business case**
a sound business case; business case together with...

**Business model**
...the specifications of an inclusive business model, covering all actors of the value chain (from feedstock providers through to the final sellers)

**Business plan**
in addition, a detailed preliminary business plan in a separate Annex
How can ‘economic viability check’ be demonstrated in your proposal?

✓ Dedicated section on ‘economic viability’

✓ Considerations on the potential market of the products and/or processes to be developed and some quantitative information, for example, on the market size and trends

✓ Include an analysis of the value chain

✓ Include projections and estimates of costs of production/revenues of products or technologies when possible
To be included in business case, business model, business plan

**Business case**
- Justification for investing in a project to generate a profitable business.
  - Include technical, economic, market, social, environmental and regulatory aspects.
- Evaluation of risks, costs and benefits of the proposed project versus alternatives.

**Business model**
- Description of how the commercial will generate revenues and value for its customers & stakeholders.
  - Describe costs and revenues, involved actors and the relationships among them.
  - Include data on the cost and revenue streams but no time dimensions or specific actions.

**Business plan**
- Description of how the business will be developed.
  - Include data on the cost structure, financing, planned revenues, a description of planned actions, their timing and the actors involved.
  - Include technical, economic, market, social, environmental and regulatory aspects based on data or assumptions where data not available.
  - Describe risks and contingencies.
Apply and/or adapt existing/mature or novel digital technologies provided that they are instrumental to achieving the project’s outcomes and scope.

Areas for RIAs and IAs, including Flagships:
• Chemicals, materials, catalysts and process design & modelling (including bioinformatics)
• Process monitoring and optimisation
• Tracking and tracing
• Data analytics and data management

Additional areas for IAs, including Flagships:
• (Real-time) process monitoring and optimisation (including environmental performance)
• Predictive maintenance and plant engineering
Cross-disciplinary aspects and involvement of Social Sciences and Humanities

All types of actions:

• Foster **cross-disciplinarity** and consider the **social, economic, behavioural, institutional, historical and/or cultural dimensions**.

• Integrate contributions from the SSH **at various stages of the project**.

• Involve the required **participants and disciplines**.

• Consider **public awareness raising, social engagement and social impact** aspects.
Recommendations to stakeholders

IAs, including Flagships

• Plan an action on opportunities/challenges to be addressed for targeted stakeholders, including, where possible, national/regional stakeholders, investors and brand owners.

• Include recommendations on how to improve the implementation and/or overcome hurdles and gaps of current policies in the relevant fields.
Recommendations for your proposal

• **Follow the proposal template** to make sure all specific requirements are well included.

• **Read carefully the evaluation criteria and subcriteria** and make sure that expert evaluators will find all the information required to assess them.

• Choose **appropriate benchmarks** and show how for the products/processes you’re developing improve the current environmental performance against the existing alternatives.

• **Provide evidence, references and/or calculations** to support your claims.

• **Quantify** your objectives, performance improvement and expected outcomes.

• **Address all the elements** included in the definition of business case, business model, business plan and economic viability check.
Thank you for your attention!