

Criteria for Bioeconomy Cases Catalogue

"25 CASES for BIOECONOMY INNOVATION around the BALTIC SEA REGION"

EVALUATION CRITERIA

Each selected case must apply 3 evaluation criteria!

The selection of cases will be based on five evaluation criteria:

- Criteria 1: Sustainable use of natural resources
- Criteria 2: Technology innovation
- Criteria 3: Environmental benefits
- Criteria 4: Social benefits
- Criteria 5: Business model innovation

CRITERIA 1: Sustainable use of natural resources

We assess cases on:

- Whether the case addresses issues of resource scarcity in the local context.
- The extent to which the case is optimizing the use of biomass
- The extent to which the case contributes to a circular economy.

We check:

- Does the case have the potential to address issues of resource/food security in the local context? Please explain which local challenges the case addresses and preferably present estimates of this impact.
- To what extent does your case demonstrate optimized use of biomass? Please explain how you are minimizing or optimizing the use of natural resources such as water, energy, materials, etc.
- How does the case contribute to the circular economy? Please explain how the case is using existing waste streams or substituting materials in production and, if possible, how circularity is also considered with regards to consumption (e.g., sharing, reuse, refurbishment, take-back systems, design for disassembly or recycling efforts).

CRITERIA 2: TECHNOLOGY INNOVATION

We assess cases on:

- The extent to which new technology is developed or applied
- The extent to which existing technology is adapted to new applications

We check:

- How does the case integrate the use of new technology? Please explain the extent to which the case is developing or using technology that is new in the national or preferably the BSR context.
- How does the case adapt existing technologies for new applications? Please explain how the case is applying existing technology, from e.g. other industries or sectors, in ways that are new in the national or preferably the BSR context.

CRITERIA 3: Environmental benefits

We assess cases on:

- The extent to which the case has already or has the potential to reduce CO2 emissions across the value chain, this relates both to direct reduced CO2 emissions (including substituting fossils with e.g. renewable energy) and getting more value out of the biomass already produced.
- The extent to which the case has the potential to improve ecosystems (by addressing issues such as air quality, water quality, biodiversity, etc.)

We check:

- How is the case reducing CO2 emissions across the value chain? Please argue why the case has the potential to reduce emissions and, if possible, enclose quantified estimates of emission reduction, e.g. based on pilot-testing. Emission reductions could result from enhancing the value of biomass, improving production methods, enabling user of product/service to emit less CO2, etc.
- How does the case reduce negative impact on ecosystems? Please enclose specific accounts on the potential to create environmental benefits and if possible, quantified estimates, e.g. based on pilot-testing. Benefits can relate to e.g. improved air quality, water quality, biodiversity, natural resource resilience, etc.

CRITERIA 4: Societal benefits

We assess cases on:

- The extent to which the case has the potential to create new jobs
- The extent to which the case plans to engage local communities
- The extent to which the case has the potential to provide positive public health or well-being benefits

We check:

- How does the case create new jobs? Please provide estimates of the potential number of new jobs created by the project and, if possible, estimates of indirect jobs created as a result of related activities.
- How does the case engage with local communities? Please describe planned initiatives taken to involve local communities, such as citizen groups, NGOs, businesses, etc. in project development and activities.
- How does your project improve public health or well-being? Please describe the potential for creating a positive impact on health and wellbeing that is directly associated with the activities that are part of the case or products/services resulting from the case. This could be healthier food, less local pollution, active recreational activities, etc.

CRITERIA 5: BUSINESS MODEL INNOVATION

We assess cases on:

- *The extent to which the business model involves new products or services*
- *The extent to which the business model involves new cost structures or revenue streams*
- *Whether the case has the potential to enter or create new market(s)*

We check:

- To which extent does the business model involve innovation in product or service offerings? Please explain which products/services are new and why their value propositions are innovative.

- Does the business model involve cost structures or revenue streams that are new in the BSR context? Please explain how the business model is innovative in terms of minimizing costs or finding new revenue streams.
- Does the case opened new markets for project holders or is it expected that it will? Please answer yes/no and further explain which new markets the case has provided access to.