

Catalan Bioeconomy Strategy 2030

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Period: 2021 - 2030

Published by: Ministry of Climate Action, Food and Rural Agenda of the Government of Catalonia

Type of strategy: Dedicated Bioeconomy Strategy



Main focus and drivers

The strategy encourages the transition to an economic model based on the optimal use of renewable and local biological resources. It has a focus on the primary sector (agriculture, livestock, silviculture, aquaculture and fishing) and uses knowledge as a driving force. It encourages the creation of quality jobs and balanced territorial development.

The strategy has 7 strategic goals expanded through 17 strategic lines, with 37 measures proposed. Furthermore, 10 major targets covering different dimensions (economic, agriculture and forestry, climate, food industry, etc.) are set as guidelines to achieve in the coming decade.

Strategic goals

1. Improve the use of biomass
2. Develop a business community
3. Consumption of bioproducts, bioenergy and biomaterials
4. Resilient landscapes and ecosystem services
5. Knowledge as driving force
6. Role of the administration
7. Prepare society for change

General approach:

- Processing biomass for materials
- Ecosystem services, local value chains & resilient landscapes

Key principles:

- Food first strategy
- Biodiversity conservation and preservation of natural heritage
- Support the development of rural areas - through partnerships with the urban area
- Circularity, cascade and hierarchical use of resources

Sectors that supply biomass

Food industry

Industrial by-products
Food waste and loss
Coffee and olive processing residues
Slaughterhouse waste

Agriculture

Harvest remains
Compost
Straw
Agriculture sludge
Slurry
Manure
Eggshells

Aquaculture and fishing

Algae

Forestry

Forest biomass
Wood
Tree trimmings
Sawdust
Cork

Organic waste

Biowaste
Waste water
Sludge
Compost
Organic/Biowaste digestate
Dredge spoil

Sectors that demand biomass

Agrifood, Food & Beverages
Bioenergy
Pharmaceutical
Biochemistry
Pulp, Paper, Wood & Furniture
Textiles & Wearing
Agriculture, Livestock, Forestry and Fishing

Policy measures

Governance

The governance model aims to ensure a correct strategy deployment through four goals:

- Check the adequacy of the development measures and actions to the established principles
- Ensure maximum coordination within the Government and between all the departments involved
- Ensure the participation (co-governance) of all economic and social agents involved
- Have sufficient operational capacity to execute the forecasts included in the action plans

A co-management Board will monitor the strategic goals based on the major targets and the action plans' development.

Funding

The first Action Plan 2022-2024 includes a total budget of more than €200M, which comes from different sources of available fundings at the European level. These will be supplemented by resources available in the ordinary budgets of the Spanish and Catalan Governments.

Monitoring

The strategy sets a series of economic, environmental and social indicators, and an adequate methodology will be designed to improve the data quality.

The **Action Plan 2022-2024** sets 15 transformative actions covering the seven strategic goals, with specific measures each. The tracking and assessment of the Action Plan will be done with periodic reports.

The role of forests

Given that 65% of the catalan surface is covered by forest, the sustainable management and efficient use of its resources is key for advancing towards circular bioeconomy.

Forests are included in two of the four value chains that gear the **Action Plan 2022-2024**:

Value chain 1: Improvement in forest management and the use of forest resources.

Entailing the value chains for timber production including raw materials for industry and energy; and the value chain for Non-wood products.

Value chain 4: Creation of resilient farm and forest landscapes and the sustainable provision of ecosystem services.