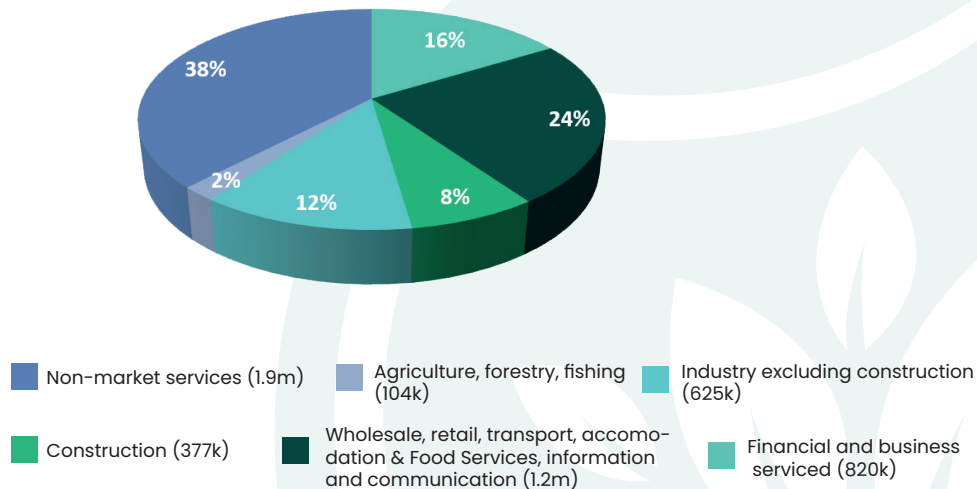


The Swedish bioeconomy 2019 accounted for approx. 7 % of Sweden's total processing value and 21 % of total goods export (SCB Statistics Sweden).

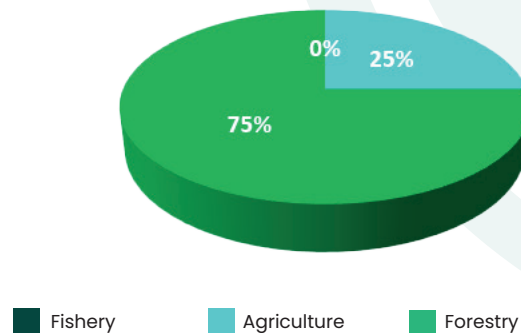
The Swedish bioeconomy is dominated by the forest industry and the products that are created with the forest as raw material. There is increasing attention to food, but a large part of primary production is in Skåne and therefore it is mostly in the south to the middle, where these themes are higher on the agenda.

A national bioeconomy is under development and expected to be completed on 31. October 2023. At the regional level, bioeconomy has been integrated into a wide range of different regional strategies in recent years.

### Bioeconomy: people employed by sector



### Biomass production per source





Publication date  
**2020**



Responsible authorities  
Swedish ministry of the Environment

In 2020, the Swedish government launched its first national strategy for the circular economy

The vision for the Swedish strategy is to create a society where resources are used efficiently in non-toxic circular flows to replace virgin material. The overall goal is to create a shift from a linear economy to a circular economy, and thereby contribute to achieving the environmental and climate goals, as well as the global goals in Agenda 2030.

Several resource streams are highlighted as prioritized in the transition to a circular economy. These are mentioned as important to create fast, comprehensive, and coordinated actions and consist of i) plastic, ii) textiles, iii) food, iv) renewable and bio-based raw materials, v) the construction and real estate sector, and vi) innovation-critical metals and minerals.

Sweden



**National Strategy for Circular Economy**

Other related strategies

-  Circular economy – A strategy for change in Sweden (2020)
-  Circular economy – Action plan for the transformation of Sweden (2021)
-  The government's action plan for plastics Part of the circular economy (2022)
-  To do more with less – A national waste management plan and waste prevention program 2018 – 2023

Dominant sectors

**Plastic**

**Textiles**

**Food**

## Policy instruments



### BioInnovation

An innovation program that promotes research and innovation for bio-based development. BioInnovation is being phased out and will be replaced by Bioimpact. (<https://bioimpact.se/>)

### Bioeconomy arena

Public funding program is focused on Artificial Intelligence. The Swedish Government has allocated RISE a supplement of SEK 350 million to intensify work on sustainable solutions in bioeconomy, to strengthen RISE's investment in test beds for biorefinery.

As part of Bioeconomy Arena, a new pilot plant in Örnsköldsvik will be fully up and running by the end of 2023. – an area that is a world leader in forestry, wood, and paper industry.

### EU's Rural Development Program

Sweden uses funds under the EU's agricultural policy to finance activities within bioeconomy, including specifically as part of the Rural Development Program

## Bioeconomy in Sweden

### Collaborative structures

#### Fossil Free Sweden

Fossil Free Sweden was started at the initiative of the Swedish Government in 2015 and has a unique role between the business sector and politics. 22 business sectors have produced roadmaps for fossil-free competitiveness within the framework of Fossil-Free Sweden. The roadmaps contain both commitments and political proposals.

#### TreeSearch

A collaboration platform that creates an open research environment between academia, industry, research institutes, private foundations, and the Swedish government. It is a national effort that lays the foundation for future innovations from the forest.

#### SwedenBio

The national organization of the life science industry in Sweden. SwedenBio improves the business climate for 300+ member companies and the life science industry. In addition to advocacy and promotion of industry interests, through member services, they enable professional development, knowledge and experience exchange.

#### Processum Biorefinery Cluster (part of Bioeconomy Arena)

Aims to strengthen the cooperation World-leading cluster for the development and commercialization of biorefinery processes based in Örnsköldsvik public decision-makers.

#### Swedish Bioenergy Association

Standard agency specialized on wood. Svebio is a commercial environmental organization for companies and individuals (around 300 members). Is playing an active part in all major political decisions concerning bioenergy and bioenergy-related matters in Sweden.

#### Sweden Food Arena

Sweden Food Arena is a national arena where food industry stakeholders collaborate for an innovative, sustainable, and competitive food sector. The arena is a result of the government's Food Strategy, which aims to increase production and contribute to a competitive food supply chain, as well as increase employment, exports, innovation power, and profitability while achieving relevant environmental goals.

#### Bioeconomy Graduate Research School (GRS)

Bioeconomy GRS aims to act as a collaborative platform at Lund University allowing researchers and PhD students, across faculties/disciplines and research areas, as well as non-academic stakeholders, to meet each other to identify, carry out, and communicate innovative, analytically advanced, and yet problem-oriented research for a sustainable future circular bioeconomy covering the whole biomass value chain

### Showcase

#### Domsjø Fabriker AB

Domsjø Fabriker AB is one of Europe's premier biorefineries based on wood as a raw material. The company utilizes renewable wood raw materials and converts them into various green products. The main products are cellulose, lignin, and bioethanol. In addition, they also manufacture other biorefinery products such as carbon dioxide, biogas, bio-resin, soil conditioner improvement, etc.