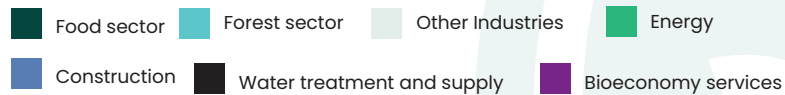
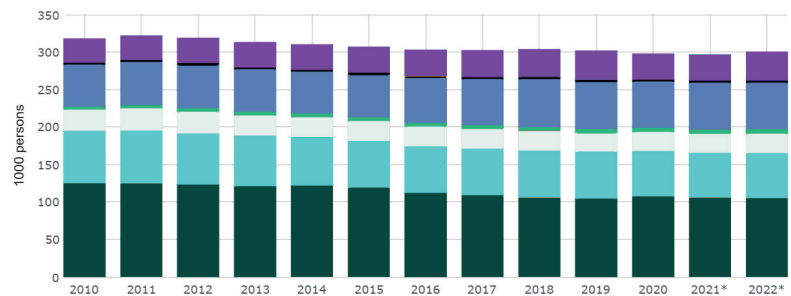
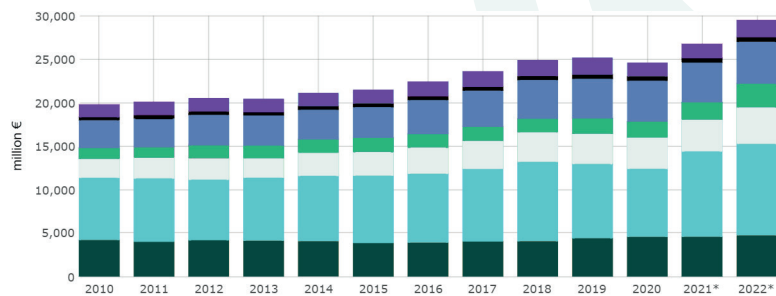


Finland is a pioneer in the bioeconomy, circular economy and cleantech. It has plenty of natural resources, large-scale biorefinery, high level of expertise and industrial strengths. Finland has a national dedicated bioeconomy strategy, which includes an exhaustive action plan for developing the bioeconomy's value added. The objective of the Finnish bioeconomy strategy is to generate new economic growth and new jobs from an increase in the bioeconomy business and from high added value products and services while securing the operating conditions for the nature's ecosystems.

Employment by sector in Finland (2010 - 2021)



Value added by sector in Finland (2010 - 2021)



Publication date

2022 - 2035

Responsible authorities



Strategy development: Ministry of Economic Affairs and employment
Implementation: Steering group

Finland

The Finnish Bioeconomy Strategy Sustainably towards Higher value added

Dominant sectors

Forestry
Wood and furniture
Food, Feed and Beverages

A key aim of Finland's bioeconomy is to increase the value added of the bioeconomy as a whole or to create competitive and innovative bioeconomy solutions to global problems. It is strongly R&D related. The Bioeconomy Strategy has connections with several other Government strategies and policy programmes that outline, for example, the use of national forest resources, safeguarding biodiversity, climate and energy policy and industrial policy. The Bioeconomy Strategy's operating environment is also affected by a number of international commitments, such as the UN 2030 Agenda for Sustainable Development and the implementation of the Paris Agreement.

Other related strategies

- North Ostrobothnia Bioeconomy Development Strategy
- Bioeconomy Development Strategy for Oulu Region in 2015-2020
- North Karelian Smart Forest Bioeconomy Strategy
- Roadmap Towards Oil-Free and Low-Carbon North Karelia by 2040

Policy instruments

Food from Finland



The program focuses on the development and growth of the Finnish food industry and on the promotion of exports with branded products and services offering high added value. It helps Finnish food-industry companies in gaining access to the rapidly changing international food markets by utilizing new innovation and business know-how and research that supports the sector's competitiveness.

BioFuture2025



BioFuture2025 supports the creation of a new knowledge base and promotes major scientific breakthroughs through new ways of doing science. The program seeks out the best ideas, identifies new opportunities and supports research exploring new avenues for significant advances in the bioeconomy field.

Finnish Flagship Programme



The Research Council of Finland's Flagship Programme is an instrument that supports high-quality research and increases the economic and societal impact emerging from the research. The Finnish Flagships represent an effective mix of close cooperation with business and society, adaptability, and a strong commitment from host organisations.

FinnCERES – Competence Centre for the Materials Bioeconomy



The FinnCERES Flagship focuses on future solutions of the bioeconomy and materials research. Researchers in the Flagship aim to develop, for instance, novel lignocellulose-based materials towards industrial production for international markets.

ForestValue2



The aim of ForestValue is to comprise the joint implementation of transnational calls for proposals for research, development, and innovation in the forest-based sector with a clear financial commitment from the participating national (or regional) research programmes and the EU.

Bioeconomy in Finland Collaborative structures

Bio-Economy for Change (B4C) – IAR

B4C is a Competitiveness Cluster focused on bio-based products and biorefinery. IAR brings together more than 200 stakeholders from Research, Higher Education, Industry and Agriculture, around a common goal: the optimal valorization of biomass.

FinnCERES Materials Cluster

FinnCERES is a competence centre aiming to uncover answers to the most fundamental questions about lignocellulose disassembly and re-assembly and to create new, cost-competitive, bio-based materials that are expected to address resource sufficiency and climate change. The Flagship operates in close collaboration with industry and other stakeholders to create economic and societal impact.

GreenHub

GreenHub is an open innovation ecosystem in the field of the forest-based bioeconomy, constitutes an example of successful regional collaboration. GreenHub is a network of multidisciplinary experts, making its expertise available to companies in the creation and development of new business activities.

The Central Union of Agricultural Producers and Forest Owners (MTK)

MTK is a trade organisation and interest group representing farmers, forest owners and rural entrepreneurs.

MTK has over 400,000 members in local agricultural producers' organisations and regional forest management associations. All of the occupations and businesses of their members are based on renewable natural resources and their utilisation in a sustainable and economical way.

CLIC Innovation

CLIC Innovation is an open innovation cluster with the mission of facilitating creation of breakthrough solutions in bioeconomy, circular economy, and energy systems

Bioenergia

The Bioenergy Association represents the interests of the bioenergy sector in Finland. The association has over 300 member organisations. It represents the entire bioenergy sector from land ownership to forest and energy companies, and technology and research in the field.

Finnish Forest Association

The association supports the promotion of forest interests, brings forth topical possibilities forest can have in developing the society, strengthens the sustainable and responsible use of forests using communications and anticipates the effect changes at home and abroad can have on Finnish forest sector.

Showcase The Wood Building Programme

The Wood Building Programme (2016–2023) is a joint government undertaking coordinated by the Ministry of the Environment aimed at increasing the use of wood in urban development, public buildings as well as large constructions such as bridges and halls. The programme also aims to diversify and expand different applications for wood while creating as much value added as possible.

- <https://ym.fi/en/wood-building>
- <https://www.luke.fi/en/statistics/indicators/bioeconomy-innumbers>