



EKONOMIKOS
IR INOVACIJŲ
MINISTERIJA

Climate change

What does it mean for Lithuanian industry?

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Industrial policy priority areas

- ❑ Industrial symbiosis promotion
- ❑ Industry's competitiveness scaling
- ❑ Promotion of industrial digitisation
- ❑ Transition to circular economy



National progress programme 2021-2030

Increase resource efficiency and promote industrial symbiosis (circular economy)

Regulatory measures promoting the use of secondary raw materials are important for industrial symbiosis:

- ❑ Additional measures to improve waste management (waste separation, waste energy)
- ❑ Eco-labeling of products made from secondary raw materials
- ❑ Implementation of digital technologies in processes important for the circular economy
- ❑ Integration of criteria for a sustainable production environment
- ❑ Local taxation (to encourage recycling; to discourage or prohibit landfill or incineration of valuable materials)
- ❑ Promoting green public procurement (GPP)
- ❑ Regional Innovation Programs (criteria for resource efficiency and low carbon goods and services)
- ❑ Setting up regional business advisory centers (advising SMEs on energy and raw material efficiency)

Ministry of the Economy and Innovation initiatives related to climate change

- ❑ Support measures for of eco-innovation and green industry sectors
- ❑ Project - Roadmap for Lithuania's industrial transition to a Circular Economy

Support measures for of eco-innovation and green industry sectors

- ❑ „Eko-inovacijos LT“
- ❑ „Eko-inovacijos LT+“
- ❑ Programme „Business Development, Innovation and SMEs“



„Eko-inovacijos LT“

- Eco-friendly design
- Eco-labeling
- Implementation of environmental management and /or management systems





„Eko-inovacijos LT+“

- Reduce the negative environmental impact of economic activities
- Promote industrial symbiosis
- Investment in cleaner production innovation
- Conserve natural resources
- Waste reuse and / or recycling
- Utilization of heat
- Separation of streams

Programme „Business Development, Innovation and SMEs“ under Norway Grants 2014-2021

The programme the goals:

- Creation of a higher added value
- Sustainable economic growth
- Boost of Lithuanian enterprises competitiveness



Roadmap for Lithuania's industrial transition to a Circular Economy project objectives

- ❑ Circularity Analysis of Lithuanian industry
- ❑ Policy Proposals to support Industrial Transition to a Circular Economy
- ❑ Creation of the Roadmap Schedule
- ❑ Formal adoption of the Roadmap, business briefing and international exchange



Lithuanian Industry Digitisation Roadmap 2019-2030



The Roadmap aims to assist in steering the Lithuanian manufacturing industry development towards global advancement. It introduces digitisation as the next stage of mechanization, automation and robotization.

Industry 4.0 seeks to make the manufacturing processes integrated across a multitude of levels within supply chains.

The implementation of the latest manufacturing technologies plays an important role in seeking our goals.

Lithuanian perspective

- ❑ Manufacturing is the largest sector of the Lithuanian economy, generating over 20% of Lithuanian GDP
- ❑ Almost 80% of total export of goods and services are the goods manufactured by industrial business
- ❑ Lithuania is rated No.1 in Europe and No.2 in the world (after China) on attractiveness in global manufacturing

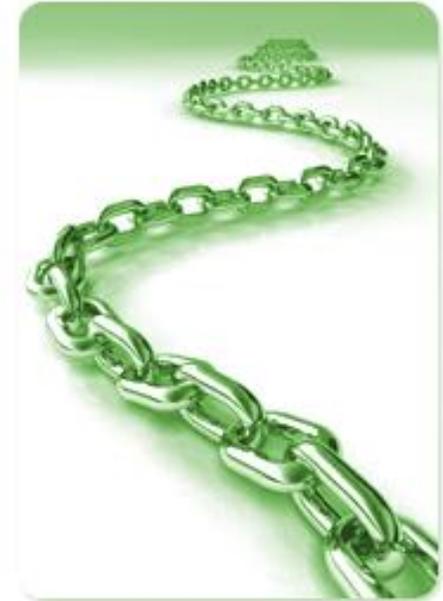


Strategic Value Chain - Low CO2 emissions Industry

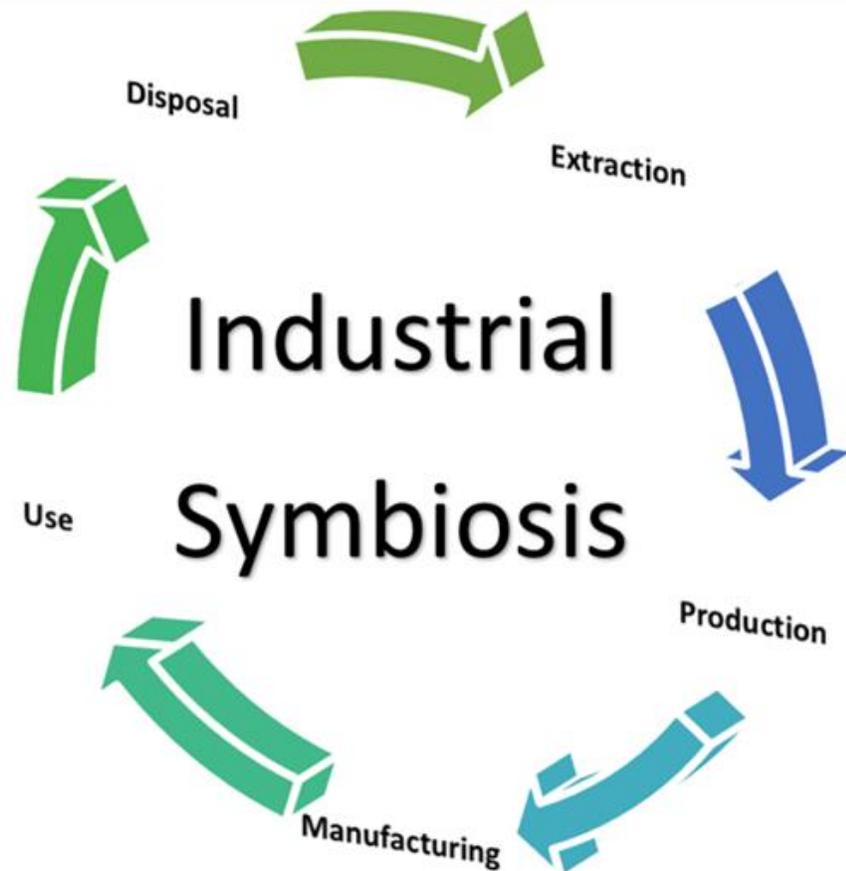
AIM - A substantial contribution for climate neutrality in Europe through industrial projects and technological pathways achieving at least 80% and up to 95% greenhouse gas emissions reduction by 2050.

Some recommendations:

- Continue support for Research and Innovation
- Develop guidelines and assessment methodologies for low CO2 emissions technologies
- Ensure the transition to Circular Economy
- Plan and develop infrastructure for a Low-CO2 Industry
- Develop a Highly skilled workforce



Conclusion



Industrial symbiosis is one of the essential parts of the circular economy.

This process is an integral part of the **FUTURE.**



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