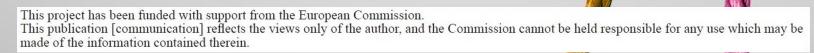


Linking Academy to Industry.

Training program: modules

- Eco-design & novel manufacturing processing
 - New materials and biomaterials
 - Citizen and Consumer Engagement
 - Residue management and valorisation





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Circular economy as a tool for promotion of new and biomaterials in the field of packaging -policy challenges in different regions Author: PhD Justyna Muweis

Introduction

This part of the module includes issues related to the circular economy in the context of the use of new and biomaterials.

The practical work is divided into two parts.

1.

- Introduction of the CE in the field of biomaterials
- The promotion of the CE in the field of biomaterials

<u>2.</u>

- Analysis of the CE policy implementation in the field of packaging in the selected regions
- Challenges of the CE policy implementation in the field of packaging in the selected regions







The Just Transition Mechanism

- supporting the transition to low-carbon and climate-resilient activities
- creating new jobs in the green economy
- investing in public and sustainable transport
- providing technical assistance
- investing in renewable energy sources
- improving digital connectivity
- providing affordable loans to local public authorities
- improving energy infrastructure, district heating and tran

https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal/actions-being-taken-eu/just-transition-mechanism en

The Just Transition Mechanism (JTM) is a key tool to ensure that the transition towards a climate-neutral economy happens in a fair way, leaving no one behind. It provides targeted support to help mobilise at least €65-75 billion over the period 2021-2027 in the most affected regions, to alleviate the socio-economic impact of the transition.





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Analysis of the CE policy implementation in the field of packaging in the selected regions

A long-term vision for the circular economy

There are circular economy strategies at the national, regional and local levels of government.

The Netherlands aims to be fully circular by 2050 and Finland aims to become a world leader in the circular economy by 2025.







In progress

Manresa (Spain)
Helsinki(Finland)
Turku (Finland)
Barcelona
Metropolitan Area
(Spain), Scotland
(UK)

Perceived level of advancement towards the circular economy transition in surveyed cities and regions

Advanced

Amsterdam (Netherlands)

Paris (France)

London (UK)

(İ)

Not in place

Riga (Republic of Latvia Tampere (Finland)

Newcomers

Granada (Spain) Helsinki (Finland) Valez-Malaga (Spain)







CE policy implementation in the field of packaging

- Steps towards Circular Economy in regions
- How cities and regions can quickly move ahead?

Improved waste collection

extended producer responsibility or high-quality recycling and biological treatment of waste



Activities

Suit local needs and resources, wide range of good practices supporting circular economy stakeholders new forms of production and consumption sociability, sharing and democracy

The Circular Economy Package refers to five priority areas: **plastics**, food waste, critical raw materials, construction and demolition, as well as biomass and biobased products.





CE policy implementation in the field of packaging

- Regional trends in the packaging sector
- What do customers expect of their packaging?

"Global" is out and "local" is in

Designation of Origin (PDO) label provides information on the entire process, from manufacturing the raw materials to the finished product.

All plastic packaging on the EU market should be recyclable by 2030, the consumption of single-use plastics will be reduced and the intentional use of microplastics will be restricted.

With the plastic strategy, the Commission has adopted a Monitoring Framework

nttps://cor.europa.eu/en/news/Pa /we-need-less-and-better-

plastics.aspx







CE policy implementation in the field of packaging in the selected regions

The Aims

opportunities that have the potential to scale up, such as investments in new or improved materials, new and biomaterials and

to move the plastics value chain into a positive spiral of value capture, stronger economics, and better environmental outcomes.

Based on: https://www.ellenmacarthurfoundation.org/assets/downloads/publications/NPEC-Hybrid English 22-11-17 Digital.pdf

New Plastic Economy
More than 1,000
organisations united
behind a common vision
and targets for a circular
economy for plastic

Surce:https://www.newplasticsecondmy.org/

Scale up the adoption of industrially compostable plastic packaging for targeted applications such as garbage bags for organic waste and food packaging for events, fast food enterprises, canteens and other closed systems



Challenges of the CE policy implementation in the field of packaging in the selected regions

Entities

- consumers;
- cities and regions (sustainable local economic models).
- The lack of cooperation and awareness among these players the private sector (design and production of materials);
- The lack of:
- providing valuable raw resources
- systematic local distribution, communication and promotion connected with new and biomaterials
- organic waste management by consumers through public or individual composting.



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PackAlliance:

European alliance for innovation training & collaboration towards future packaging

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