

In a nutshell

BIOTRANSFORM provides European policymakers with an adequate assessment and policy development framework, a knowledge base and an expert support ecosystem to accelerate the transition from linear fossil-based systems to circular bio-based systems. It is therefore operating at the interface between the circular economy and the bioeconomy transitions.



Project objectives

- To understand & identify drivers and barriers for the integration of the transition from fossil-based to circular bio-based scenarios
- To develop & deliver an “assessment package” focussing on impacts and comparisons between circular biobased and linear fossil-based economies
- To validate, compare & optimise BIOTRANSFORM’s proposed assessment package with real actors from 6 case-study regions
- To provide governance guidelines & recommendations for policymakers and suitable financing guidance
- To ensure efficient exchange of best practices, peer-learning programmes, conduct awareness-raising campaigns and maximise the project worldwide impact
- To maximise the impact through dissemination, communication, and exploitation activities

PROJECT PARTNERS

	Technical Research Center of Finland www.vttresearch.com	FINLAND
	Alchemia-Nova GMBH www.alchemia-nova.net	AUSTRIA
	Luxembourg Institute of Science and Technology www.list.lu	LUXEMBOURG
	Flemish Institute for Technological Research www.vito.be	BELGIUM
	Technological Corporation of Andalusia www.corporaciontecnologica.com	SPAIN
	Cluster of Bioeconomy & Environment of Western Macedonia www.clube.gr	GREECE
	Cluster Industrial Biotechnology - CLIB www.clib-cluster.de/en	GERMANY
	Bioeast HUB CR, Z. U www.bio-hub.cz/index.php/en	CZECH REPUBLIC
	Association of Cities and Regions for Sustainable Resource Management www.acrplus.org/en/	BELGIUM
	Q-PLAN International Advisors PC www.qplan-intl.gr	GREECE

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Circular BIOeconomy
TRANSFORMAtion for regions
by enabling resource
and governance networks

www.biotransform-project.eu

Stakeholders

Dissemination, communication and exploitation activities targeting key stakeholder groups outlined below:

- Local & regional policymakers
- Bio-based industries
- Bio-based feedstock producers
- Citizens
- Investors
- Standardisation & regulation bodies
- Business & professional associations
- Academia & research community
- NGOs & environmental agencies
- Media

PROJECT IDENTITY

Project title:
Circular BIOeconomy TRANSFORMAtion for regions by enabling resource and governance networks

Grant Agreement No: 101081833

Start: 1 October 2022

Duration: 30 months

Budget: €1,999,973.75

FIND OUT MORE

VISIT: www.biotransform-project.eu

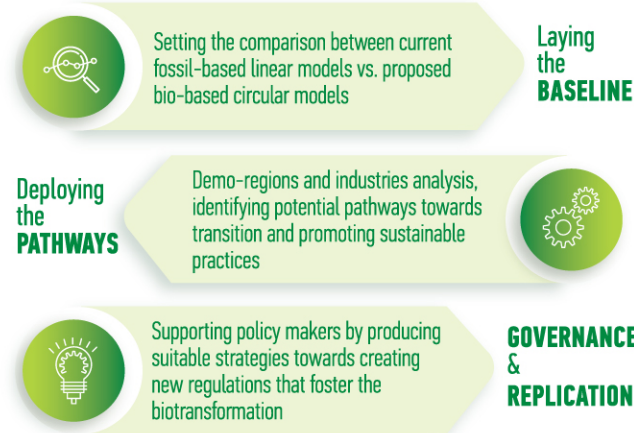
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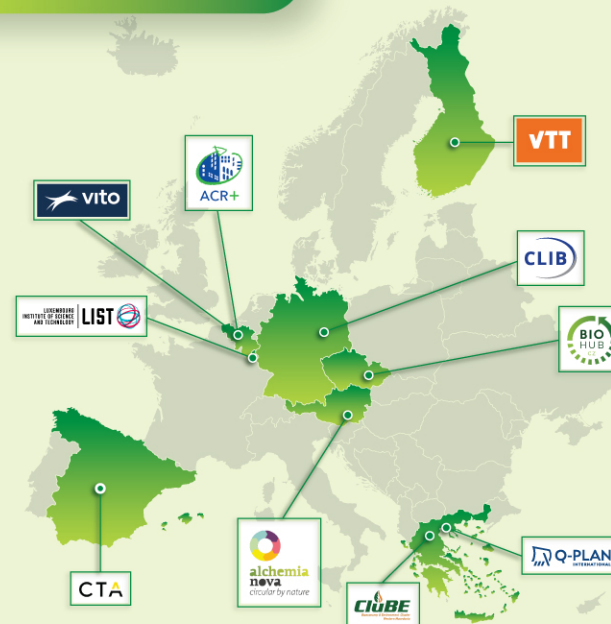


Project methodology

BIOTRANSFORM envisions to lead the circular biobased transition through a 3-stage project methodology:



BIOTRANSFORM Case studies



AUSTRIA

MAIN BIOECONOMY TOPICS: vineyards, vegetation & sludge from lake, agribusinesses

POTENTIAL CIRCULAR BIOECONOMY INNOVATIONS: extractions of vine biomass, wine processing upgrades, sustainable intensification of land use, mud & lake vegetation utilisation

CZECH REPUBLIC

MAIN BIOECONOMY TOPICS: hot springs & associated spa, tourism, beverages & food production

POTENTIAL CIRCULAR BIOECONOMY INNOVATIONS: sustainable & zero waste tourism with recovery and reuse of nutrients for food, natural extracts for beverages

FINLAND

MAIN BIOECONOMY TOPICS: forestry, chemical production

POTENTIAL CIRCULAR BIOECONOMY INNOVATIONS: higher valorisation of forestry residues & by-products, conversion to bio-commodities, agroecology, nutrient loops

GERMANY

MAIN BIOECONOMY TOPICS: chemical industry, transformation of lignite mining area to bioeconomy region, maize & beets, manure, biogas

POTENTIAL CIRCULAR BIOECONOMY INNOVATIONS: biobased intermediates (esp. secondary resources) & specialties for the chemical industry, biological transformation of industry, agroecology, waste valorisation

GREECE

MAIN BIOECONOMY TOPICS: decarbonisation of energy production, agriculture, mining, fur & leather

POTENTIAL CIRCULAR BIOECONOMY INNOVATIONS: symbiosis between resource flows, agricultural efficiency innovations, naturally treated wastewater for irrigation, natural leather tanning, wholistic use of animal residues

SPAIN

MAIN BIOECONOMY TOPICS: tourism, retail, transportation, underdeveloped industry, agriculture, olive, citrus, tomato

POTENTIAL CIRCULAR BIOECONOMY INNOVATIONS: Biomass valorisation, sustainable intensification of land use, agroforestry, bioengineering for water guidance & storage, wastewater reuse & greening