

## 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](http://www.vttresearch.com)

FINLAND



Luxembourg Institute of Science and Technology  
[www.list.lu](http://www.list.lu)

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Flemish Institute for Technological Research  
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Technological Corporation of Andalusia  
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Cluster of Bioeconomy & Environment of Western Macedonia  
[www.clube.gr](http://www.clube.gr)

GREECE



Cluster Industrial Biotechnology - CLIB  
[www.clib-cluster.de/en](http://www.clib-cluster.de/en)

GERMANY



Bioeast HUB CR, Z. U  
[www.bio-hub.cz/index.php/en](http://www.bio-hub.cz/index.php/en)

CZECH REPUBLIC



Association of Cities and Regions for Sustainable Resource Management  
[www.acrplus.org/en/](http://www.acrplus.org/en/)

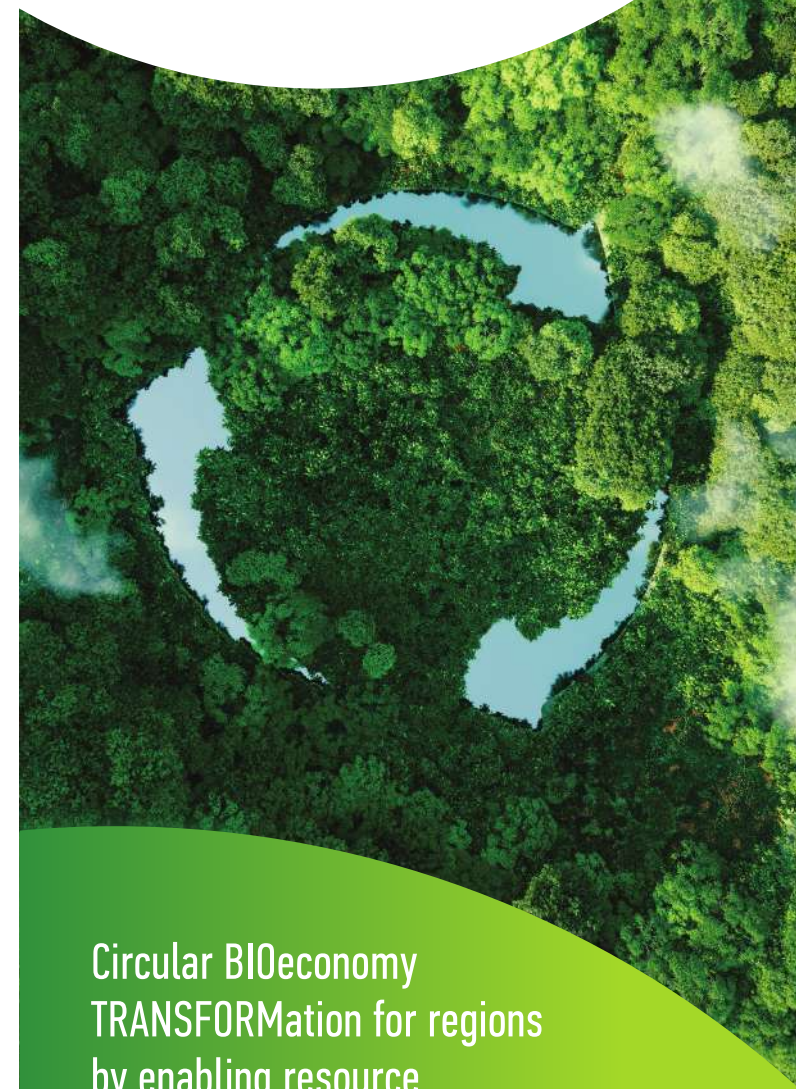
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Circular BIOeconomy  
TRANSFORM ation for regions  
by enabling resource  
and governance networks

[www.biotransform-project.eu](http://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](http://www.biotransform-project.eu)

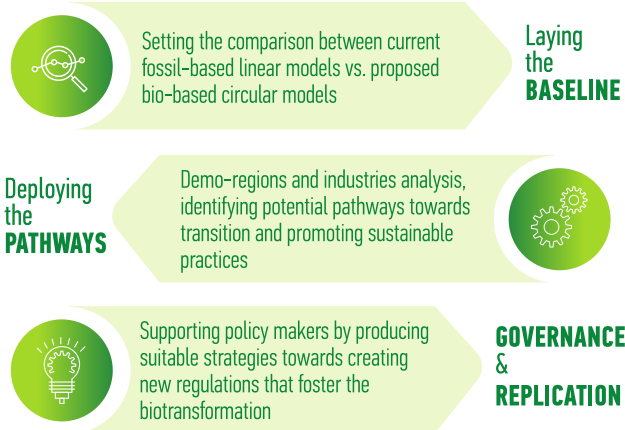
CONTACT US: [info@biotransform-project.eu](mailto:info@biotransform-project.eu)

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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