



CEE2ACT best practices for stakeholder engagement and biomass potential in Central and Eastern European countries

ETIP event on 12 March 2025 - Brussels
Nathalie Bargues, Greenovate! Europe



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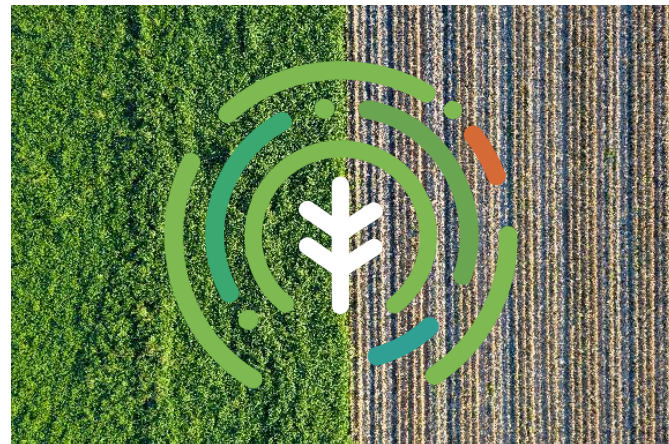
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Coordinated by:  **GEONARDO**
STATE OF THE ART AND BEYOND

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4 million € budget

Horizon Europe CSA project

HORIZON-CL6-2021-Governance-01-10



17 partners from 17 European countries



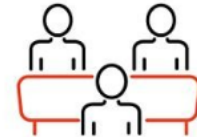
To **empower** countries in Central Eastern Europe and beyond (especially BG, HR, CZ, GR, HU, PL, RO, RS, SL, SK)

... to contribute to the development of Bioeconomy strategies and action plans through knowledge transfer and the adoption of **innovative governance models**;

... by deploying a **bottom-up, multi-stakeholder approach** driving exchange and collaboration within and between Central and Eastern European (CEE) countries, as well as AT, FI, DE, ES, SE and NL.



- Raise awareness about the **benefits** of the circular bioeconomy
- Gather stakeholder inputs, in line with their **interests and motivations** to ensure the success of a national bioeconomy strategy
- Build connections between stakeholder groups to create broad-based **national support** for circular bioeconomy.



How do we achieve this together?

**Building trust and understanding
between stakeholders**

**Workshop series 1
2023**

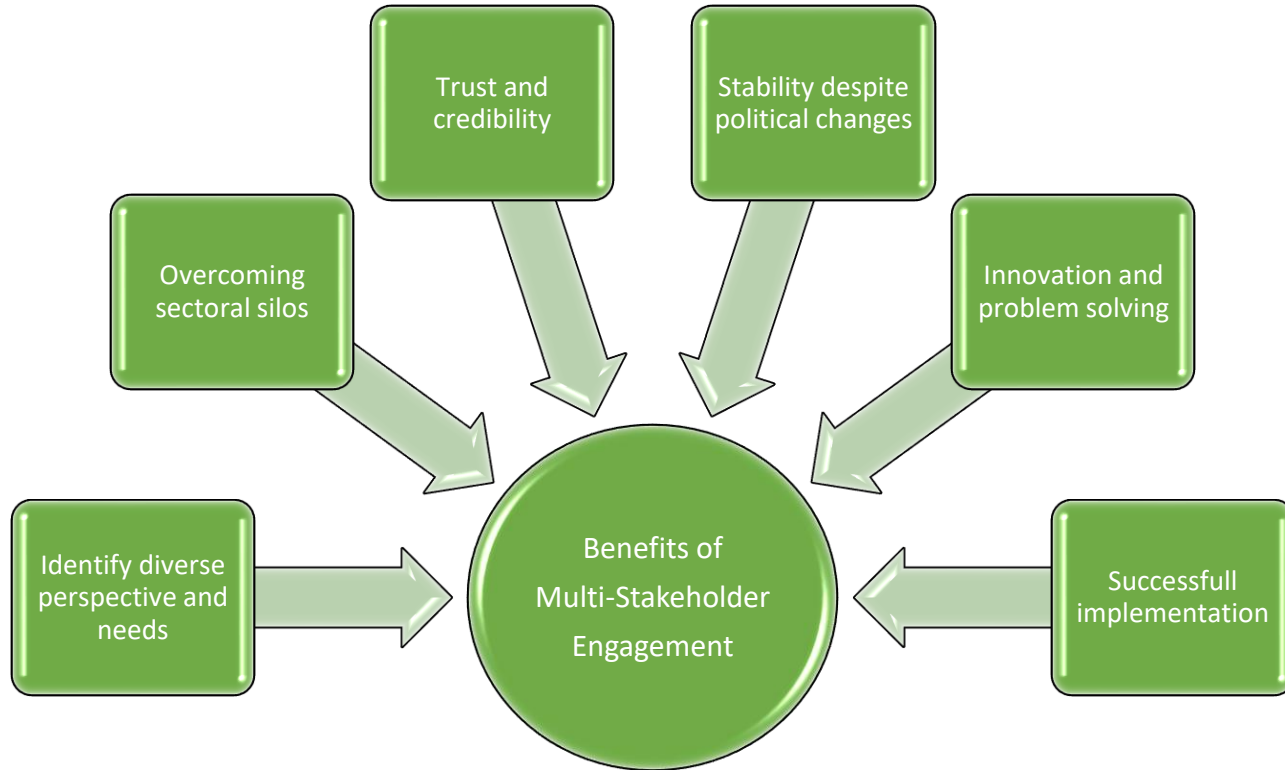
**Building knowledge and capacity
of stakeholders**




**Workshop series 2
2024**

**Building a vision and
bioeconomy roadmaps together**

**Workshop series 3
2025**



1. Organisation of a platform for stakeholder engagement, to bring together stakeholders and use their discussion results for strategy development.
2. Defining the optimal organisation setup: National Bioeconomy Hubs
3. Stakeholder mapping to identify strategic and relevant stakeholders
4. Developing a business model for engaging stakeholders: help the hub format and its long-term sustainability
5. Proposing the set of activities: hub workshops as core activities



The National Bioeconomy Hubs (NBHs) are platforms aiming at bringing together relevant stakeholders through workshops, training sessions, forums, and other activities, that foster exchange of ideas and common elaboration of national bioeconomy roadmaps.

The 10 National Bioeconomy Hubs are built on existing networks and clusters, and they will be supported by e-solutions such as inventories of best practices, e-learning modules, self-assessment tool, B2B matchmaking tool, and methodology for developing bioeconomy strategies and action plans.



Target groups (Hub members)

- Policy makers and decision makers
- Public administrators
- Bio-based value chains actors (primary sector, industrial and waste sector)
- Investors, SMEs
- Research institutions, academia
- Environmental organizations
- NGOs and CSOs



- **Finland:** Engage all key ministries to shape the vision.
- **Germany:** Innovative ways to involve citizen in the process.
- **Netherlands:** Foster knowledge-sharing via quadruple helix collaboration.
- **Spain:** Use online communication for public consultation.
- **Austria:** Organise expert committees, conferences and public events.
- **Sweden:** Involve the private sector in drafting and implementation.

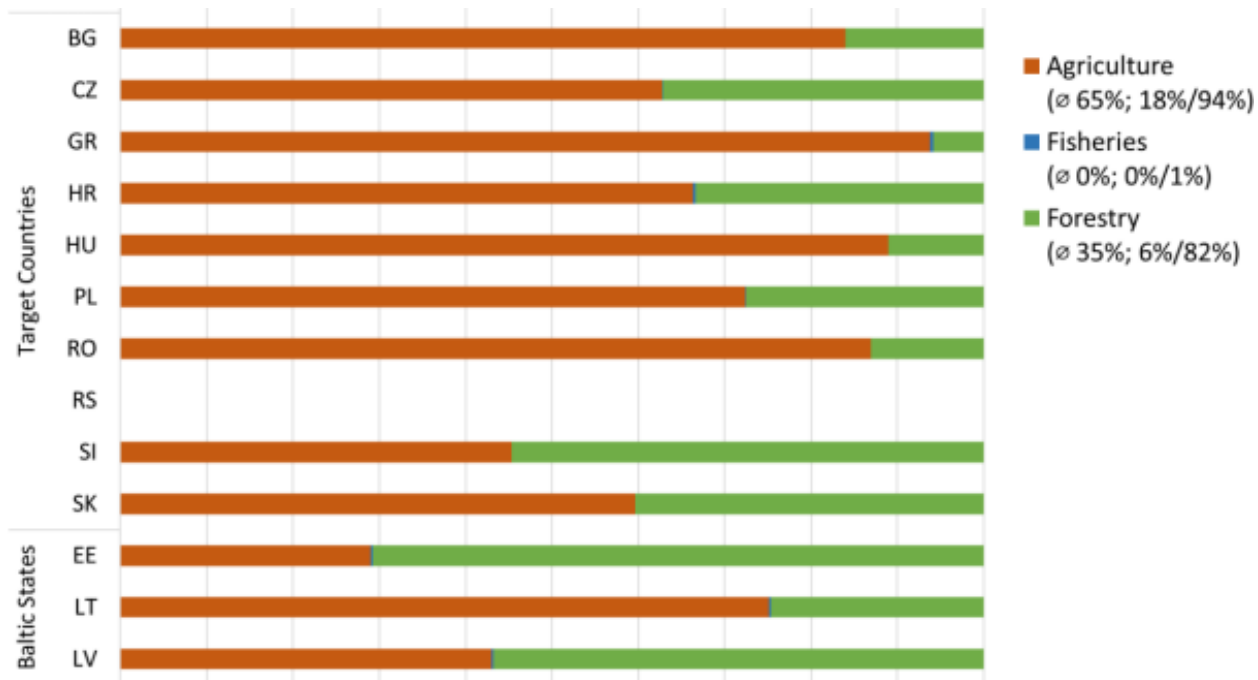
Biomass use potential in CEE region



Bulgaria	Expanding production, advanced technology and policies fostering collaboration between research and business are needed.
Croatia	Great potential, significant amounts of biomass are exported, low level of R&I.
Czech Republic	Moderate, but underutilised biomass potential, need for better policies, investment, and awareness.
Greece	Abundant agricultural and organic waste resources with strong potential, but underdeveloped utilization and market growth.
Hungary	High biomass potential but needs better waste collection, policy integration, and processing infrastructure. Only 16% of food and garden bio-waste are currently separately collected.

Poland	Big biomass potential, strong foundation of research institutions, need for advanced technologies to address low labour productivity and foster interactions between bio-based industries and scientific research
Romania	Great biomass potential from agriculture and forestry. Bioeconomy contributes substantially to employment and turnover, weak R&I activity and low productivity limit growth.
Serbia	Significant opportunities in agricultural residues and forestry by-products.
Slovenia	Significant but underutilised biomass resources, particularly in wood biomass and agricultural residues. Advanced bio-refineries capacities needed to boost efficient production.
Slovakia	The bioeconomy sector generates a turnover of 13 billion EUR, creating 161,600 jobs. Great and unrealised potential for biomass valorisation.

Biomass production in CEE countries



Biomass production in CEE2ACT countries incl. Baltic States ([data retrieved from European Commission, 2023](#); data from 2016/2017)

Main project outputs:

- Baseline analysis
- National bioeconomy hubs
- E-solutions for green transition
- Knowledge Transfer Strategy
- National-level roadmaps for the bioeconomy strategy in CEE2ACT target countries
- CEE2ACT MoUs signed



Fruitful site visit and project meeting hosted by Wageningen University & Research

09/23/2024

On 18-20 September 2024, our 17 partners and hub members from 10 Central and Eastern European Countries gathered in the Netherlands for the International Site Visit at Wageningen University &





- [CEE2ACT Online Inventory](#) of Bioeconomy Good Practices
- Hosted and developed by the Bioeconomy Cluster, Slovakia.
- Available in English.
- 113 best practices are available
- Stakeholder engagement was crucial for collecting and spreading the best practices



BEST PRACTICES

Topic	Keyword
<input type="text" value="All"/>	
« Previous Next »	
RIBES: REGIONAL INCLUSIVE BIOBASED ENTREPRENEURSHIP SOLUTIONS #Bioeconomy strategy	GREET CE: GREEN TRANSITION IN CENTRAL EUROPE #Bio-based industry
GINURGI: CALL FOR BEST PRACTICES AND MOST INNOVATIVE SOLUTIONS FOR RECYCLING OF NUTRIENTS #Bio-based industry	DEVELOPMENT OF THE BIOECONOMY IN BULGARIA - OPPORTUNITIES AND REGIONAL SPECIFICS #Bioeconomy strategy
CAPBIO4BG: DEVELOPING THE RESEARCH AND INNOVATION CAPACITY AT THE AGRICULTURAL UNIVERSITY OF PLOVDIV TO BOOST THE REGIONAL INNOVATION POTENTIAL IN BIOECONOMY #Cooperation	STRATEGY FOR DEVELOPMENT OF THE BIOECONOMY IN STARVA ZAGORA REGION #Bioeconomy strategy

Inventory of best practices – Best practices related to biomass industries



EFFICIENT BIO-BASED INDUSTRY

NAFIGATE Corporation– Czech Republic

- Innovative Hydral Biotechnology
- P3HB Polymer from waste cooking oil



EFFICIENT BIO-BASED INDUSTRY

Atlas Agro Science – Bulgarian company

- Biostimulants for agribusiness, landscaping and floriculture
- Utilising wastewater sludge





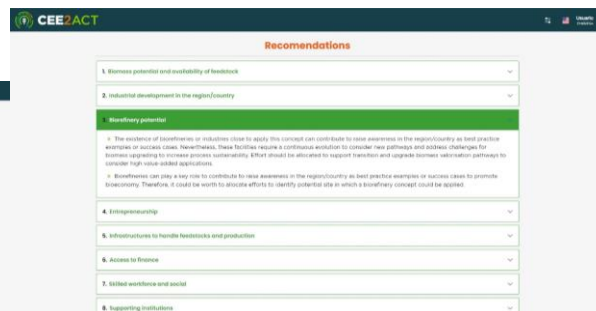
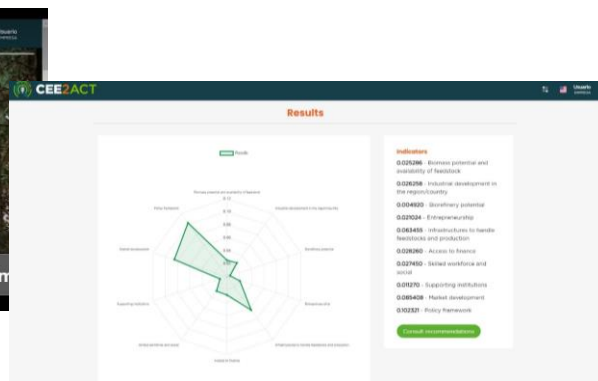
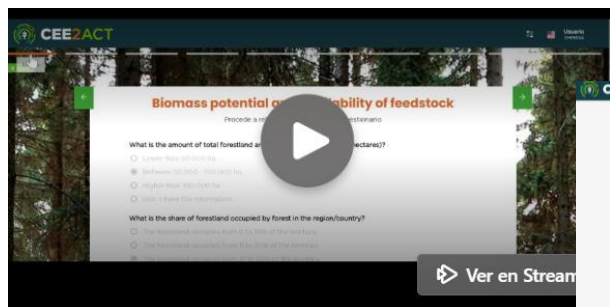
CzechHemp– Czech Republic

- Strengthen the cooperation between relevant actors and increase know-how
- Supporting biodiversity, soil quality/erosion control, CO2 storage, organic fertilizers

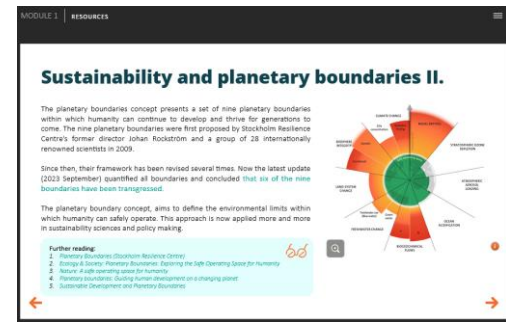
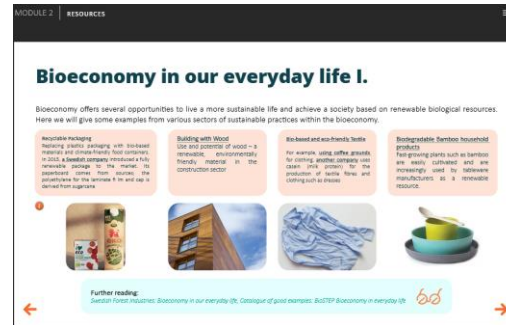
E-solutions: Self-Assessment tool



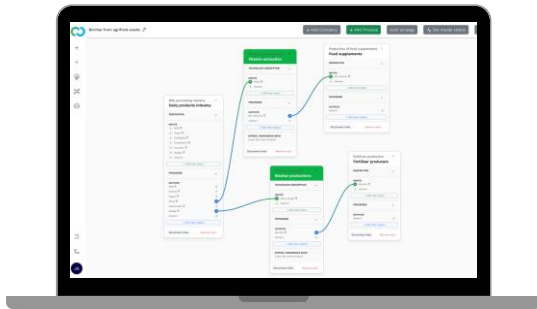
- The [Self-assessment tool](#) evaluates the state of bioeconomy and provide recommendations and additional information to support bioeconomy initiatives implementation.
- Designed for for **policy makers and administrations** for bioeconomy initiatives implementation.
- Hosted and developed by the [CIRCE](#) (Spain) in **English and additional 10 languages**.



- [Four modules and exercises](#) for different types of stakeholders: private sector including businesses, associations and investors, research and public organisations, NGOs and citizens.
- Offering training materials and good practices to promote bioeconomy and sustainable governance.
- Hosted and developed by [Geonardo](#) (Hungary), available in **English and 10 additional languages**



- [B2B matchmaking online tool](#) help you build partnerships and connect with stakeholders.
- The platform is a “**marketplace**” where bioeconomy players can search and meet potential partners.
- Hosted and developed by [Anteja](#) (Slovenia) in English language.



Case study for dissemination



We help you
CONNECT
with the right
Sustainability
Partner

PAGE 1



What is your key challenge regarding sustainability?



CEE2ACT B2B TOOL is a simple but powerful platform that helps you find the right partners to achieve your sustainability goals. We use advanced algorithms and expert insights to match you with the right companies and experts to collaborate with.

Depending on your challenge, we can connect you with:

01. Buyers of waste and by-products
02. LCA analysts
03. Solution providers
04. Sustainability consultants
05. Partners for new projects



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CASE STUDY:



Who are they?

Envien Group is a key player and a leading force in the biofuels and feed production sector across Central and Eastern Europe. The group operates biorefineries in several countries and boasts a revenue exceeding 250 million.

What is their challenge?

Envien Group is currently inquiring into a possible diversification into bioplastics and alternative proteins, underscoring its commitment to innovation and sustainability.

Why did they reach out to CEE2ACT?

The company engaged with CEE2ACT to identify potential off-takers for biobased polymers in the market. By collaborating with CEE2ACT, Envien Group aims to leverage their expertise and network to effectively penetrate new markets, secure partnerships, and ensure a successful transition into the bioplastics industry.



PAGE 3

CEE2ACT offered their consulting services to The Envien Group where diversification opportunities and challenges were explored. They identified and connected them with suitable suppliers and technology providers, expediting their vision.

CEE2ACT's expertise pinpointed 3 ideal chemical clusters within the EU, fostering win-win partnerships and collaboration, expanding their network and business prospects.

These partnerships are projected to deliver both financial benefits and the environmental change this group was looking for.



BOOK YOUR FREE
CONSULTING SESSION

<https://form.c2a2b.eu/envien>

or email

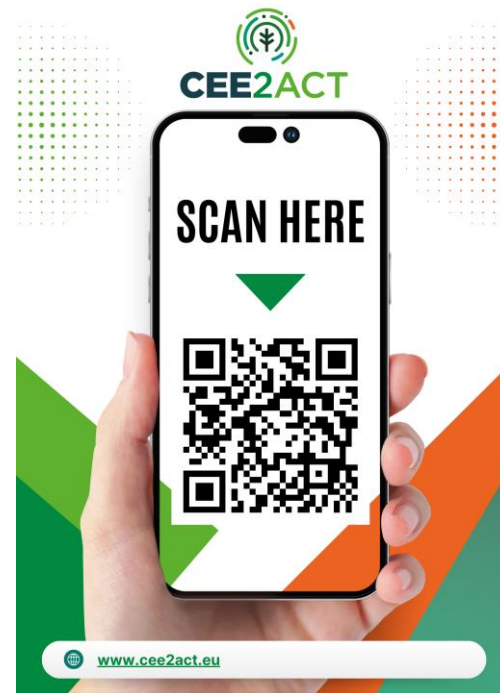
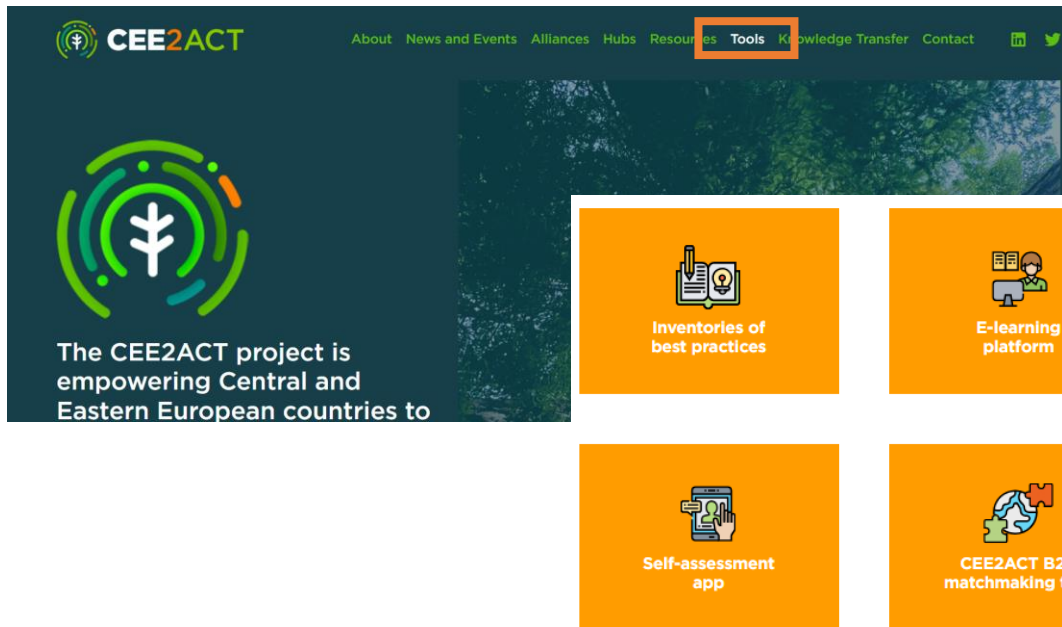
or visit



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Where to find the tools?

www.cee2act.eu



Check out the project videos



CEE2ACT Project - Empowering Central and...

Greenovate! Europe

Public

29 videos 540 views Updated 7 days ago

Play all Shuffle

A more bottom-up approach is needed to foster the bioeconomy transition in Europe. To do so, CEE2ACT is empowering countries in Central Eastern Europe and beyond (Bulgaria, Croatia, Czech Republic, Greece, Hungary, Poland, Romania, Serbia, Slovakia and Slovenia) to develop circular bioeconomy strategies and action plans through innovative

Sort



CEE2ACT #Bioeconomy Hub - Second Workshop in Hungary

Greenovate! Europe • 125 views • 2 months ago



CEE2ACT #Bioeconomy Hub - Second Workshop in Romania

Greenovate! Europe • 14 views • 8 days ago



CEE2ACT #Bioeconomy Hub - Second Workshop in Slovenia

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CEE2ACT #Bioeconomy Hub - Second Workshop in Serbia

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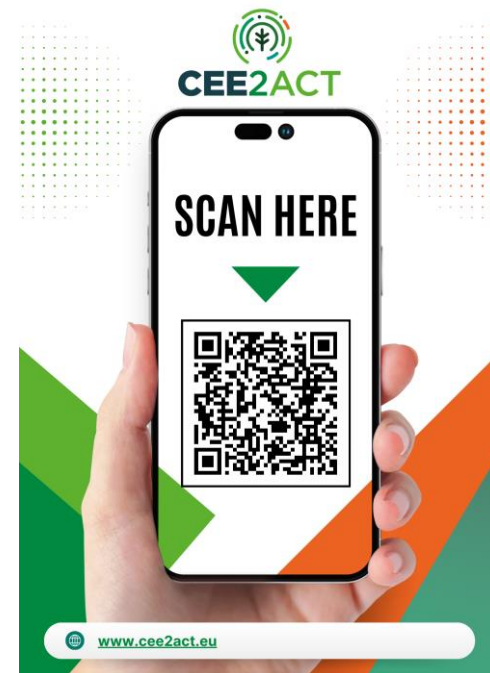
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Thank you

Any questions?

Project coordinator

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www.cee2act.eu

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- [Country Report maps by Bio-Based Industries Consortium](#)
- [BIOEAST -Bioeconomy Concept Papers \(2023\)](#)
- [Baseline assessment report on bioeconomy implementation and policy development in CEE2ACT target countries- CEE2ACT Deliverable 2.1](#)

Resources



Publications and Reports



Communication materials



Press releases

Publications and Reports



Baseline assessment report on bioeconomy implementation and policy development in CEE2ACT target countries

05/31/2023

May 2023

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