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Cluster 6 Calls 2024

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Boosting circular systemic bioeconomy solutions for bio-based sectors

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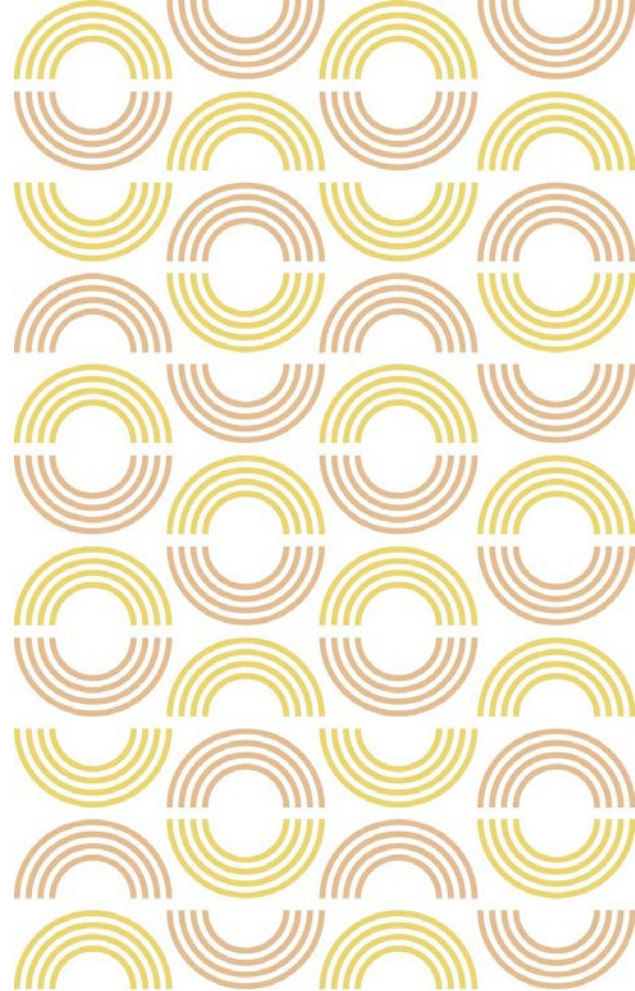
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Topics addressed

- HORIZON-CL6-2024-CircBio-01-9: *Circular bioeconomy start-up villages*
- HORIZON-CL6-2024-CircBio-01-8: *Bioeconomy project development assistance*
- HORIZON-CL6-2024-FARM2FORK-01-7: *Impact of the development of novel foods based on alternative sources of proteins*

Other topics of interest

- HORIZON-CL6-2024-GOVERNANCE-01-8: Broaden EIP Operational Group outcomes across borders by means of thematic networks to compile and share knowledge ready for practice
- HORIZON-CL6-2024-GOVERNANCE-01-7: Enhancing working conditions and strengthening the work force through digital and data technologies –the potential of robotics and augmented reality in agriculture
- HORIZON-CL6-2024-CircBio-02-4-two-stage: New circular solutions and decentralised approaches for water and wastewater management
- HORIZON-CL6-2024-CircBio-02-3-two-stage: Increasing the circularity in electronics value chains

Project ideas

Concepts

- Enhance *developing innovative and sustainable value-chains* by facilitating the improvement and deployment of *bio-based solutions*.
- Assess the potential of agri-food and aquaculture by-products, micro and macro algae-based products, insect and microbial proteins in terms of market development.

Objectives

- ☐ Promotion of Sustainable Circular Bioeconomy in Start-Up Villages
- ☐ Demonstration of Innovative Governance and Business Models
- ☐ Empowerment of Bioeconomy Start-Ups in Innovation Ecosystems
- ☐ Strengthening of Innovation Ecosystems and Digital Transformation for Circular and Sustainable Bioeconomy
- ☐ Facilitation of Knowledge Exchange and Collaboration Among Innovators

❖ Potential core consortium partners – members of BIO EAST Initiative, <https://bioeast.eu/>

Main expertise offered

- **The expertise possessed**, www.incdsb.ro:

- carry out **applied research, development and innovation** in fields such as *circular bioeconomy, biotechnology, agriculture, food safety, environment and biodiversity*
- contribute to the study of life processes and offer **sustainable solutions** to the challenges resulting from *environmental issues, depletion of natural resources*, etc.
- *isolation and characterization of bioactive compounds* from bio-based (re)sources, e.g., agri-food and aquaculture by-products, algae-based products, etc.

cell culture testing; antimicrobial activity assessment; molecular biology methods and techniques; development of *in vitro* models (2D and 3D); *in vitro* assessment of health aspects, etc.

- **Previous and ongoing projects**: <https://www.incdsb.ro/en/proiecte/>, PIC: 998171129

- **Role of INCDSB in the new projects**
 - ✓ **coordinator or partner**
 - ✓ **WPs & tasks leader**
- **The requirements for additional partners - expertise sought** *(examples):*
 - Biomass Availability Modelling and Land Use Analysis
 - Bio-Based Market and Value Chain Analysis
 - Environmental Sustainability Assessment (ESA), Life Cycle Assessment (LCA)
 - Policy Analysis and Stakeholder Engagement
 - Circular Bio-Based System Assessment, Benchmarking
 - Capacity Building and Awareness

Contact details

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