



Horizon Europe Brokerage Event
Cluster 6 Calls 2025

Warsaw , 27 May 2025

Smart digital solutions

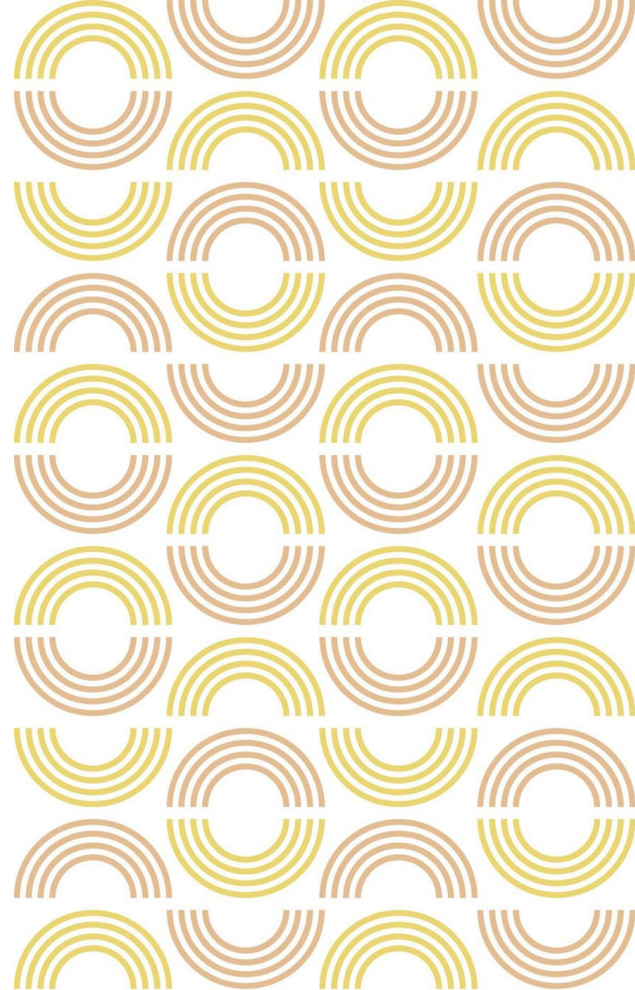
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Topics addressed :

- CIRC BIO -09: Unleashing the potential and advancing the impact of the digitalization/Artificial Intelligence of the climate -neutral bio -based value chains

Other topics of interest:

- CIRC BIO -11: Demonstration of reduced energy use and optimised flexible energy supply for industrial bio-based systems
- GOVERNANCE-11: Enhancing sustainability and resilience of agriculture, forestry and rural development through digital twins
- COMMUNITIES: Exploring and improving access to housing in rural areas and developing the houses and villages of the future
- ZERO POLLUTION-06: Provide digital solutions tailored to small and medium-sized farms to monitor and sustainably manage agricultural inputs and natural resources

Project idea (CIRCBIO -09)

Leverage the potential multimodal data to develop advanced digital twins in bio -based value chains (food + other?)

- Data collection and integration (different sources: NIRS, IoT, optical, imaging)
- Improve data quality and interoperability
- Build robust models from these data using advanced AI-algorithms
- Consortium: ITG, AZTI (RTO, food valorisation); TAMK (univ., circularity, LCA); IDC (large company, data), Fraunhofer IAO (SSH partner)

Main expertise sought (CIRCBIO -09)

- Experts in omics and bioprocesses
- Industrial partners to provide data

Main expertise offer (other topics)

[Flythings](#) (IoT platform), traceability, data intelligence, AI-systems, language technologies, computer vision, robotics, XR

Projects: [BIOMAT](#), [SIXFOLD](#), [GRAZEMASTERS](#), [MILKCHAIN](#)



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