



Horizon Europe Brokerage Event
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HORIZON-CL6-2026-02- FARM2FORK-14: Green Transition Food Processing Africa

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Topic(s) addressed:

- **HORIZON-CL6-2026-FARM2FORK-01-12: Green and circular food processing solutions for sustainable African agri-food systems**

Project idea

- **Background / concept**

Africa faces persistent food system constraints driven by post-harvest losses, limited processing efficiency, weak traceability, and low circularity. The project proposes **TRACE4GREEN**, an integrated approach that combines green food processing, circular valorization, and digital traceability to strengthen sustainability and resilience across key African value chains.

Objectives

- Deploy low-energy and green processing methods for selected chains such as millets, cassava, legumes, cocoa, fisheries, and fruits
- Implement digital traceability through sensors, AI, and blockchain to enhance food safety and transparency
- Reduce post-harvest losses through improved preservation and storage solutions
- Valorize side streams into new bio-based products and sustainable packaging
- Strengthen skills, technology transfer, and long-term Africa–EU–Canada cooperation

Core consortium : Africa: Senegal (USSEIN), Kenya (University of Nairobi, ICIPE), Tanzania (SUA), Tunisia (ISSTE, INSAT, CNSTN, INAT)Europe: University of Lille, CIRAD, University of SassariCanada: Université Laval, Merinov

Main expertise offered / sought

- **Main expertise offered / sought**
- Offered:
 - Green and low-energy food processing, circular economy solutions, valorization of co-products from food and marine industries.
 - Digital traceability, AI-based quality monitoring, and sustainable packaging solutions.
 - Project management of multi-country international R&I projects, capacity building, and entrepreneurship support.
- Sought:
 - Partners with complementary expertise in renewable energy integration, biotechnology applications, high-tech traceability, and African agro-food value chain development.

Expertise possessed by your organisation / profile

Academic expertise: Assistant Professor in Management at Higher Institute of Environmental Sciences and Technology of Borj Cédria (ISSTE), University of Carthage.

R&I experience:

- Project Manager of RESMYLE (2019–2023), EU ENICBCMED project on youth professional integration and sustainable development.
- Member of Tunisia-Quebec Collaboration Program (2023–2026) on eco-circular approaches for marine co-products.
- Partner in INTEGRMED (2025–2028), supporting green and digital transition in SMEs.

Horizon Europe experience: Developing proposal for HORIZON-CL6-2026-02-FARM2FORK-14, focusing on sustainable African food processing, circular valorization, and digital traceability.

Project management certified: PMP, ISO 21001 Lead Auditor, Green Belt/Black Belt in Lean Six Sigma, Scrum Master, Agile Coach.

Career and entrepreneurship development: Director of 4C Career Center, PEEC project referent, mentorship of student start-ups in sustainable food and bio-based projects.

Involvement in previous / ongoing projects

- European Union and Horizon Europe projects in food, marine co-products, and circular economy.
- Bio-Pack4Food and IDRC-CRDI projects on bio-based packaging and sustainable aquaculture.
- Collaboration with international partners: University Laval, MERINOV, CIRAD, INAF, ESIAT.
- Participation in international workshops and conferences (Canada, Quebec, BENEFIQ 2023).

Requirements for additional partner(s)

- **Expertise in:**

- Biotechnology for co-product valorization and preservation.
- Renewable energy for low-energy food processing.
- AI-based digital traceability and quality control systems.
- Local market development, SME integration, and entrepreneurship training in African contexts.

- **Research Interests**

Corporate Social Responsibility, Corporate Governance, Strategic Management, Green Management, Circular Economy, Climate Change.

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