

Eurostars Project 7949

EOS-AYCE

Cross-Border Collaboration & Regulation as
Innovation Driver

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The challenges that matter most don't stop at borders.



Climate Change



Artificial Intelligence



Food Systems

What is EOS-AYCE?

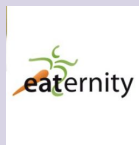
Three partners, three countries, three national funding agencies, one shared mission: calculating the environmental impact of food at scale.

KLIM



Farm-level
primary data
(crops, livestock,
soil carbon)

EATERNITY



LCA calculation
engine &
science methodology

inoqo



Supplier engagement
platform & retail PoC

3

countries

3

funding agencies

36

months

€3.6M

total budget

Best Practices: Cross-Border Collaboration

01

Build on complementary strengths

02

Define ownership early

03

Trust the partner's expertise

04

Design for interoperability, not dependency

Challenges along the way



Legal & regulatory frameworks don't cross borders



Governance comes with its own set of rules and timelines



Trust takes deliberate investment

Regulation as Innovation Driver

CSRD

Retailers must report the Scope 3 footprint of every product they sell. Estimates are no longer enough. They need verified, primary data from the farms that grow the ingredients.

The challenge: farm data across Europe is deeply fragmented



Different schemas

Every farm tool measures the same thing differently — different units, field names, data structures



Different countries

German, French, Austrian farms all use different national tools and standards.



Different legal constraints

Data sharing rules vary by jurisdiction — what a farmer can share in Germany may not be shareable in the same way elsewhere

How do you aggregate fragmented farm data from across Europe into one consistent calculation?

Open Standards: The Answer to Fragmentation

You cannot integrate three countries' legal systems. But you can align on shared standards.



Hestia Schema

Farm-Level Data Interoperability

An open, provider-agnostic schema for farm-level sustainability data, enabling any farm data source to calculate standardised emission factors.



ESFC / GSTA Glossary

Harmonised Sustainability Terminology

A shared glossary ensuring that "carbon footprint," "packaging impact," and "land use" mean exactly the same thing across every partner, every country, every tool.

Cross-border collaboration is not a nice-to-have.

For the challenges that define this century – climate, AI, food system transformation – it is the structural requirement. The sooner our funding systems, regulatory frameworks, and companies internalise this, the faster we move.

Thank You !



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