

Maximising the CO-benefits of agricultural Digitalisation through conducive digital ECoSystems (CODECS)



Resumen:

CODECS is a four-year Horizon Europe project that gathers 33 partners all around Europe and which is coordinated by the University of Pisa. The project aims to improve the motivation and the capacity of European farmers to understand and adopt digitalisation as an enabler of sustainable and transformative change. CODECS will develop, and turn into concepts, methods, tools, evidence, a vision of "sustainable digitalisation" with the goal of improving the collective capacity to understand, assess and foresee the full range of benefits and costs of farm digitalisation, and to build digital ecosystems that maximise the net benefits of digitalisation.

CODECS has established a network of 21 Living Labs, comprised of farmers, knowledge intermediaries, stakeholders, and policymakers, to address emerging agricultural challenges. These Living Labs will take a system-level approach to analyse farms and evaluate the impact of digital technologies on economic, social, and environmental outcomes. By examining the synergies and trade-offs between these different factors, the Living Labs will provide valuable insights to inform policymaking and support sustainable farming practices.

Objetivos:

The Consortium will work in an integrated manner to achieve the following objectives:

- Mainstreaming the concept of "sustainable digitalisation" in the European AKIS and in the wider policy environments.
- Building the conceptual "system-approach / actor-centred" base for "sustainable digitalisation" of agriculture and a layered cost-benefit assessment framework.
- Analysing, and understanding the implications, of the role of different contexts in the generation of costs and benefits of digitalisation through the analysis of "digital ecosystems".
- Providing data on the costs and benefits of digitalisation in a variety of European farming contexts, by setting up and carrying out user-friendly assessment methodologies.
- Setting up demonstrations to scale digital technologies adoption.
- Developing evidence-based and future-proof policy tools for a sustainable digitalisation.

Raising awareness and facilitating the uptake of digital technologies for sustainable development through the development of a platform and assessment tools.

Objetivos contribución:

UCO team is responsible for the analysis of policy environments for digitalisation in agriculture across Europe.

Presupuesto: 7,499,701.25

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