

## WHO WE ARE

**CICYTEX** (Center for Scientific and Technological Research of Extremadura) is a public-sector entity of the Regional Government of Extremadura. We coordinate applied research and technological development in agriculture, livestock and the agri-food sector, supporting regional competitiveness. Within CICYTEX, the **Meat Quality Area** brings long-standing expertise in digitalisation technologies (e.g., NIRS) and on-farm/processing validation, with strong links to farmers, cooperatives and the regional agri-livestock industry.

## OUR TOPIC OF INTERESTS IN Horizon Europe:

**HORIZON-CL6-2026-02-FARM2FORK-01-two-stage: Open topic: Improving the competitiveness of the agricultural sector by enhancing the efficient and sustainable use of agricultural production factors.**

## WHAT WE OFFER

Proposals should address	We can offer
Develop prototypes of innovations and farming practices that can improve the efficient and sustainable use of agricultural production factors or provide sustainable alternatives, and test them in a large-scale operational environment.	We can develop and validate prototypes and protocols based on NIRS and data-driven decision support to optimise feed, water, inputs and management, improving resource efficiency and sustainability through rapid, on-site measurements
Provide cost-effective and sustainable business models of these innovations or farming practices, and assess their environmental (including biodiversity restoration), social and economic impacts to facilitate the deployment and the commercialisation on the European market.	NIRS provides a more sustainable alternative to slow, reagent-based and logistics-intensive laboratory analyses, enabling frequent monitoring and early warnings, thereby facilitating decision-making based on objective data for farmers and livestock producers.
Identify possible barriers and enablers for the adoption, the upscaling or large-scale deployment of these innovations and propose solutions	We will test innovations in large-scale operational environments using our experimental farm and partner network which will accelerate the integration of innovations into real-world environments, and quantify environmental, social and economic impacts We will identify barriers for adoption and propose solutions (training, guidelines, cost-benefit tools), supporting traceability



## CONTACT DETAILS

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