HORIZON-CL6-2026-02-FARM2FORK-09
Sustainable and healthy diets for cardiovascular diseases prevention with the support of digital applications

CNTA

Develop and utilize a comprehensive *in vitro* (colonic fermentation, cell culture) and *in vivo* (*C. elegans*) platform to investigate host-microbiota interactions from sustainable foods and establish standardized biomarkers for measuring dietary impact on inflammation, metabolic pathways, and cardiovascular risk across target populations (e.g., seniors and those with specific pathologies). This platform could calibrate and/or validate the preliminary results of an early, MVP digital health solution

Consumer platform and data to validate digital health solutions (behavioral, dietary preferences, subjective sensory information data, sociodemographic profile).
- ☑ Behavioral data & diet preferences are key for personalizing dietary recommendations and predicting responses to foods.
- ☑ Subjective sensory information correlated with objective data (microbiome & cardiovascular) to enrich predictive models.
- ☑ Citizen participation key for training algorithms with real and diverse data.
- ☑ Spain would be covered, but we also have data and are open to other EU and non-EU countries).
- ☑ Data collected fed to ML models to predict product acceptance, emotional impact and adherence to diets.

CNTA participates in [MyNutri] under FOODITY to develop an app to choose and buy healthy and sustainable Food