
EIC Pathfinder Challenges 2025

[Biotech for Climate Resilient Crops and Plant-Based Biomanufacturing](#)

These novel production processes that must deliver energy- and resource-efficient, low emission foods that maintain or increase biodiversity and are integral to a healthy diet.

Ivan STEFANIC, EIC Programme Manager for Food Chain Technologies, Novel & Sustainable Food

[Generative-AI based Agents to Revolutionize Medical Diagnosis and Treatment of Cancer](#)

The Challenge will support early-stage ground breaking research projects that will develop and validate novel approaches and concepts for integrating and interpreting multidimensional medical imaging and health data.

Federica ZANCA, EIC Programme Manager for Medical imaging and AI in healthcare

[Towards autonomous robot collectives delivering collaborative tasks in dynamic unstructured construction environments](#)

The specific objectives of the challenge is to develop a building system to assemble a representative and future-relevant structure (pavilion) using a multitude of discrete modules, a development of an autonomous mobile multi-robotic collaborative platform and perform demonstration in a laboratory environment (TRL 4).

Franc MOUWEN, EIC Programme Manager for Architecture Engineering Construction Technologies

Waste-to-value devices: Circular production of renewable fuels, chemicals and materials

The Challenge focuses on currently non- or hard-to-recycle types of synthetic polymer materials (including among other mixtures of different types of plastics, polymeric composite materials, micro-/nanoplastics, untreated plastic waste, diapers, rubber, etc.), flue gases, wastewater and seawater desalination brines. Proposals must target real-life industrial and household waste.

Carina FABER, EIC Programme Manager for Renewable Energy Conversion and Alternative Resource Exploitation

If you want to know more contact us at pre-award@ist-id.pt