



EIC ACCELERATOR CHALLENGES IN THE EIC WORK PROGRAMME 2024



- ▣ EIC Accelerator Open: €375 million
- ▣ EIC Accelerator Challenges: €300 million

Apply anytime, cut-offs: 13 March 2024, 3 October 2024

1

HUMAN CENTRIC GENERATIVE AI

€ *Indicative budget: €50 million*

- ▣ To foster a human-centric approach to AI and develop models that embody EU values.
- ▣ To tackle issues of transparency deficit and trust inadequacy and guarantee Europe's sovereignty in the field.

2

VIRTUAL WORLDS AND AUGMENTED INTERACTION, INCLUDING SUPPORT TO INDUSTRY 5.0

€ *Indicative budget: €50 million*

- ▣ To enable the use of HiFi virtual worlds in high-impact markets and applications promoting Industry 5.0 principles of sustainability, human-centric, and resilience by scaling up cutting-edge innovations for platforms, middleware, tools, and devices.

3

ENABLING THE SMART EDGE & QUANTUM TECHNOLOGY COMPONENTS

€ *Budget: €50 million*

- ▣ To promote the development of novel semiconductor components and integrated smart systems for next-generation edge devices with significant impact.
- ▣ To support the EU in leading the development of cutting-edge quantum computing/simulation, quantum sensing and quantum communications for real environment application.

4

FOOD FROM PRECISION FERMENTATION AND ALGAE

€ *Indicative budget: €50 million*

- ▣ To support the production of food from precision fermentation and algae that decouples food production from the soil and environmental conditions.
- ▣ To improve the sustainability, efficiency, and resilience of the European food supply chain through decoupling food production from the soil and minimising environmental impacts including water pollution.

5

MONOCLONAL ANTIBODY-BASED THERAPEUTICS FOR EMERGING VIRUSES

€ *Indicative budget: €50 million*

- ▣ To support the development of strategic approaches leading to broad spectrum mAbs-based therapeutics against new variants of emerging pathogens of high concern.
- ▣ To enhance EU pandemic response by rapid detection and analysis of virus variants for targeted antiviral treatments.

6

RENEWABLE ENERGY SOURCES (RES) AND THEIR WHOLE VALUE CHAIN

€ *Indicative budget: €50 million*

- ▣ To scale-up different RES and their supply chain to limit the EU's significant dependency on imports of components including critical raw materials.
- ▣ To contribute to the objectives of both Net-zero industry and Critical raw materials acts and to the EU's open strategic autonomy in the energy sector.