

**EU funding opportunities  
for green projects – a world  
of possibilities**

## **Backing visionary entrepreneurs**

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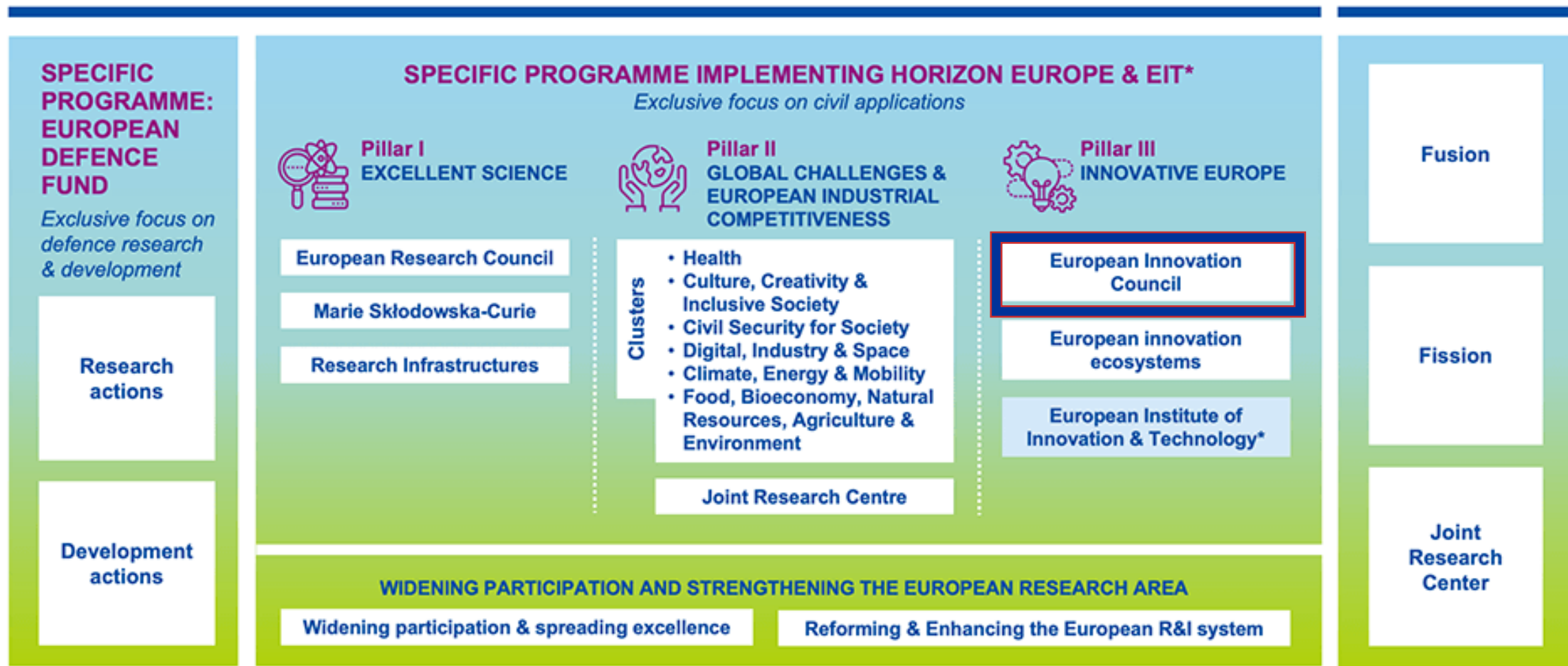


# Horizon Europe Structure



## HORIZON EUROPE

## EURATOM



\* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme



# What's holding back European innovation?

## Innovation performance

- **Strong research performance not translated** into innovation
- **Lack of breakthrough/ disruptive innovations** that create new markets

## Innovation funding

- Financing gaps (2 "valleys of death") in
- **Transition** from lab to enterprise
  - **Scaling up** for high-risk innovative start-ups

## Innovation ecosystem

- Many national & local ecosystems, but **fragmented at European level**
- Need to **include all regions and all talent** (especially female)

**We need to overcome European Paradox – perceived failure of EU countries to translate scientific advances into marketable innovations.**

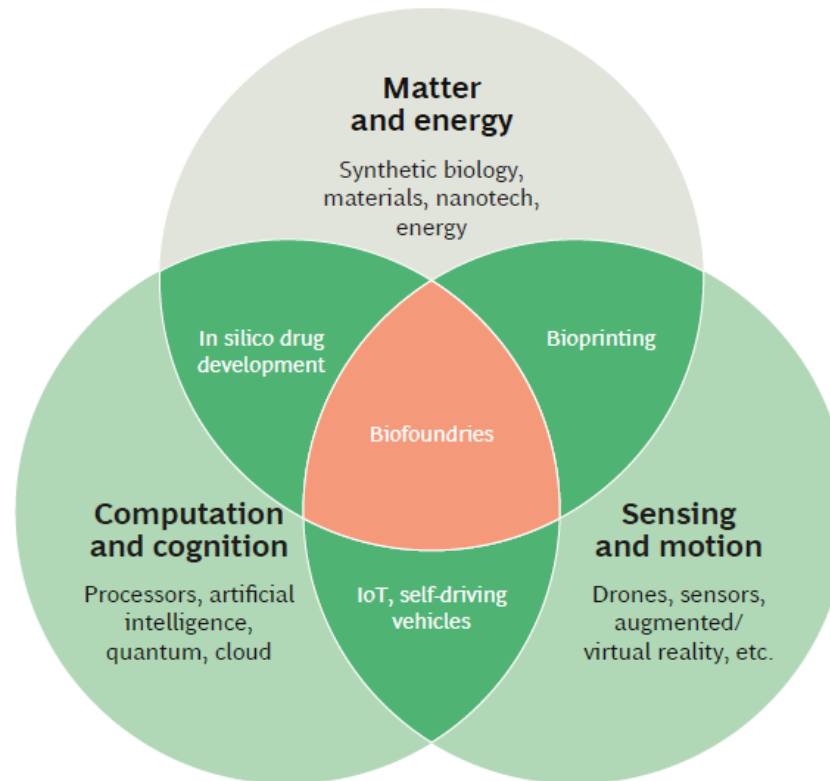


Powerful technologies are emerging faster...

- Artificial intelligence
- Quantum computing
- Synthetic biology
- Nanotechnology
- NextGen UX (augmented/virtual reality)
- Blockchain
- Robotics
- Universal printing

...and they converge to solve major business issues

- Process automation for materials
- New chemical development via AI or quantum computing
- Neuron-machine interface



Deep tech brings together powerful capabilities

- Data volume
- Moore's law
- DNA sequencing cost
- DNA synthesis cost (in progress)
- Quantum (in progress)

## DEEP TECH

**Problem and Hardware oriented**  
**Multidisciplinary**  
**High risk, high fund needed**  
**Open innovation approach**  
**(ecosystem of innovation)**

● ● ● Digital transformation as prerequisite

investments include private investments, minority stakes, initial public offerings and M&A

# EIC Support Schemes for EU deeptech innovation



## Pathfinder

For advanced research on  
breakthrough / game-changing  
technologies

**Pathfinder Open:** bottom-up  
approach; no predefined topics

**Pathfinder Challenges:** top-  
down challenge-driven calls for  
tackling specific issues by  
portfolios of projects

## Transition

For transforming research results  
into innovation opportunities;  
follow up results from EIC  
Pathfinder and ERC Proof of  
Concept

**Transition Open:** no topic  
prescription

**Transition Challenges:** selected  
challenges

## Accelerator

For individual companies to  
develop and scale up  
breakthrough innovations with  
high risk and high impact

**Grant Funding**  
**Equity Funding**  
**Business Acceleration Service**

**EIC Fund:** VC fund – EC shareholder / Bridging equity funding gap at early stage / Crowding in other investors

**Business Acceleration Service:** access to advice, to business partners and to innovation ecosystems & peers



# Approach for challenges identification



## January-June

- Study of papers, reports, etc...
- Informal meetings with experts coming from science/business (entrepreneurs or innovation manager)/financial field (business angels or VC)
- EC internal Discussion (DGs, JRC, Partnerships)
- Member states experts' group

## July/October

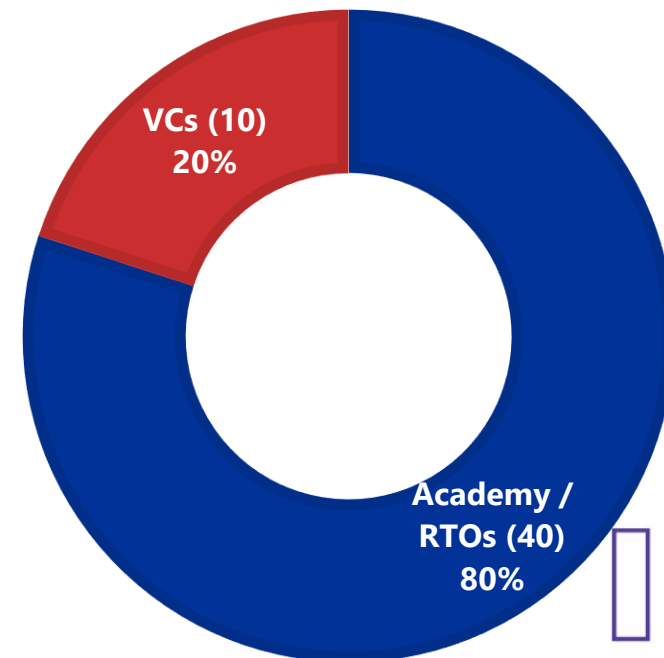
- Consultation/discussion with EC interservice group and Member states Programme committee

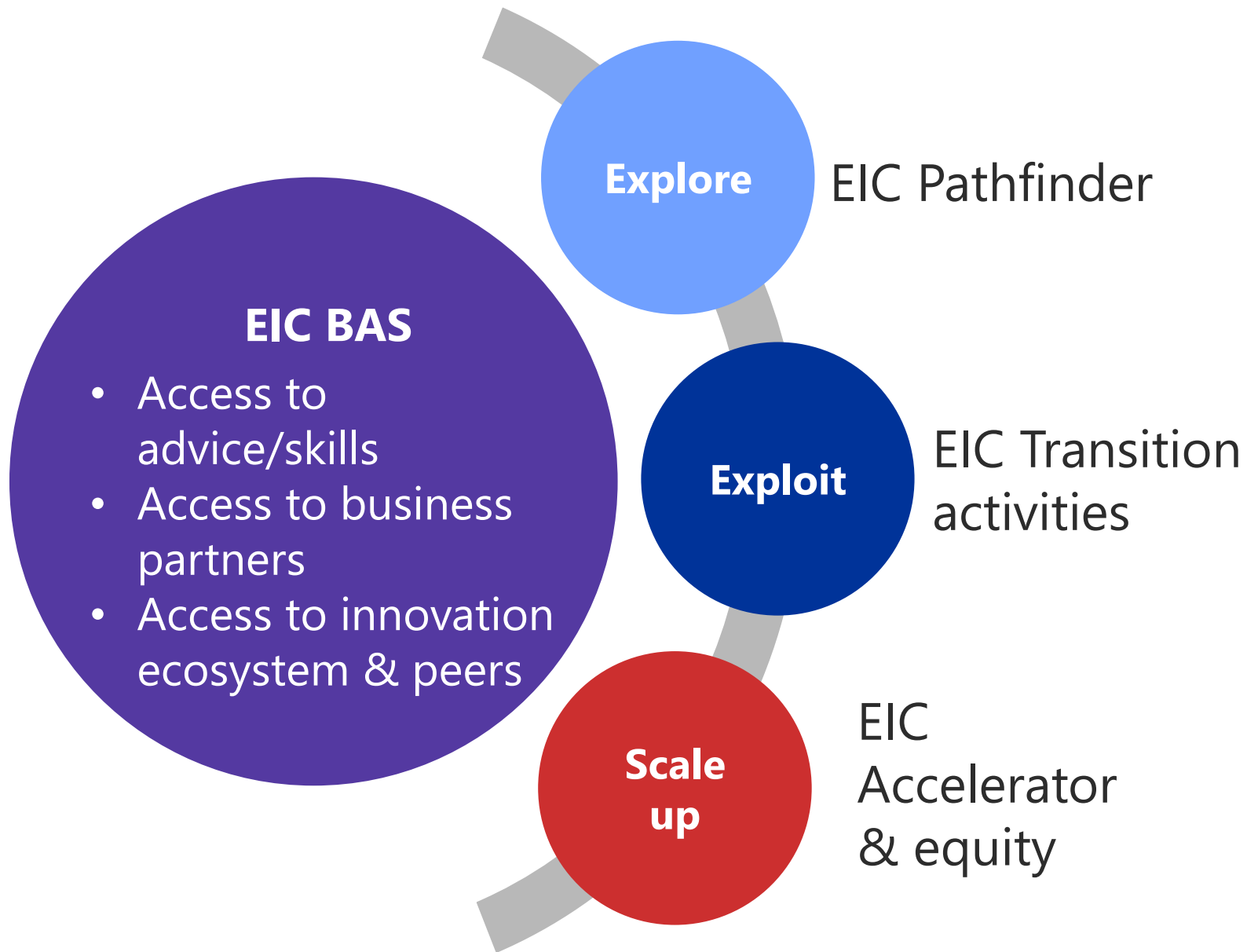
## November/December

- Final writing of EIC work programme
- Adoption of WP with challenge calls

## EXTERNAL EXPERTISE

■ Academy / RTOs (40) ■ VCs (10)





# The current EIC Programme Managers

European  
Innovation  
Council



**Iordanis  
Arzimanoglou**

Biotechnology and  
Health



**Stela Tkatchova**

Space



**Isabel Obieta**

Responsible  
electronics



**Carina Faber**

Renewable energy  
conversion and  
alternative resource  
exploitation



**Enric Claverol-  
Tinturé**

MedTech and Medical  
Devices



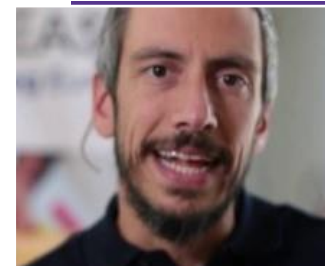
**Samira Nik**

Quantum tech and  
electronics



**Franc Mouwen**

Construction and AI



**Francesco  
Matteucci**

Materials for Energy  
and Environment



**Antonio Marco  
Pantaleo**

Energy Systems

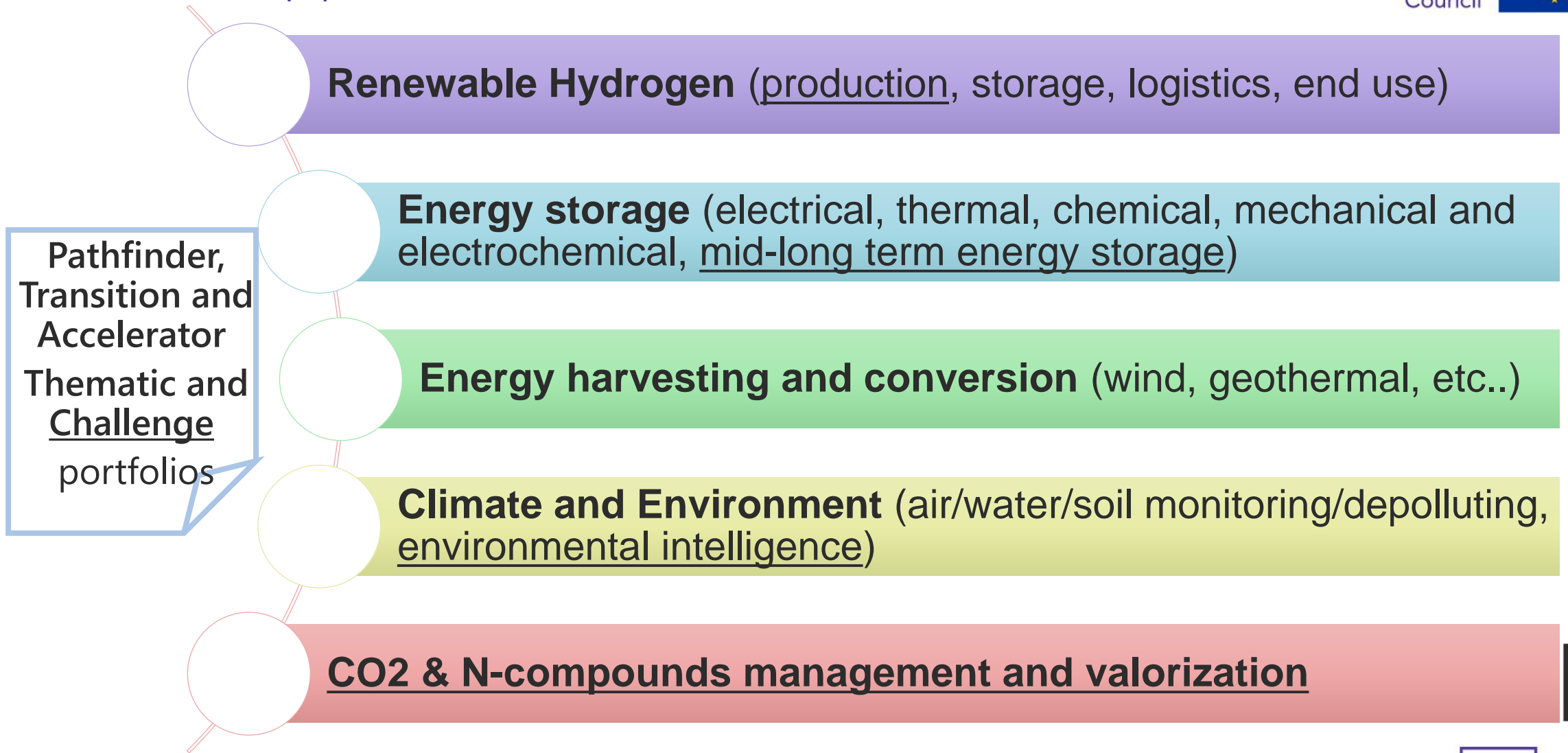


**Ivan Stefanic**

Food & Agritech



# Portfolio approach





# Thank you!

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