



EU CAP Network seminar 'Robotics and Artificial Intelligence in farming and forestry'

Utrecht, Netherlands
19 & 20 February 2025



Funded by
the European Union

Backing visionary entrepreneurs

Ivan Stefanic
EIC Programme Manager for Food Chain Technologies
& Novel and Sustainable Food



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the European Union

**Robotics and Artificial Intelligence
in farming and forestry**
EU CAP Network seminar
Utrecht, 19-20 Feb. 2025

European
Innovation
Council



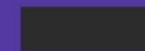
Backing visionary entrepreneurs

Food Chain Technologies & Novel
and Sustainable Food @ EIC

Ivan Stefanic

EIC Programme Manager for Food Chain Technologies

& Novel and Sustainable Food



Food Chain Technologies & Novel and Sustainable Food

- state of the art -

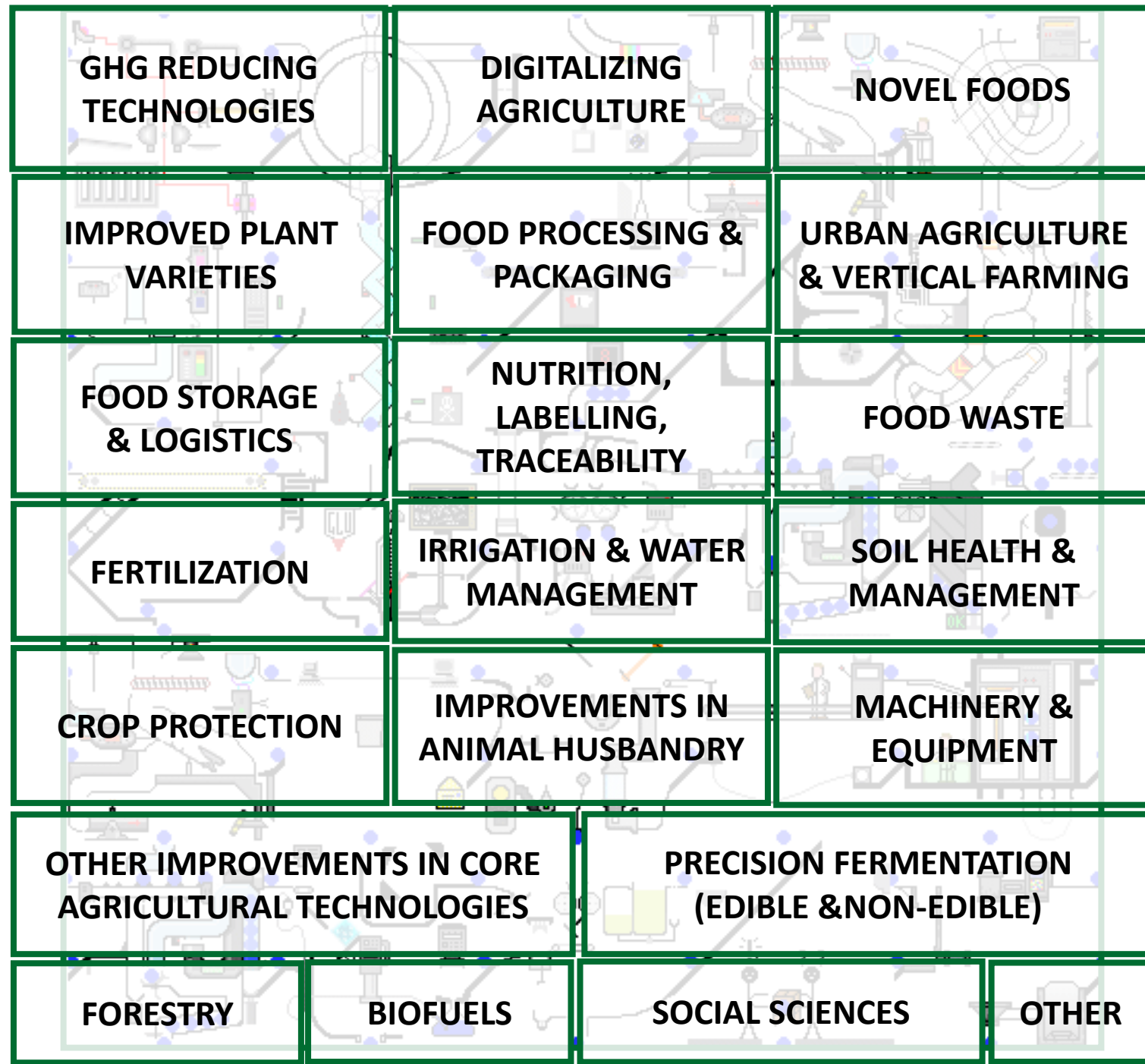




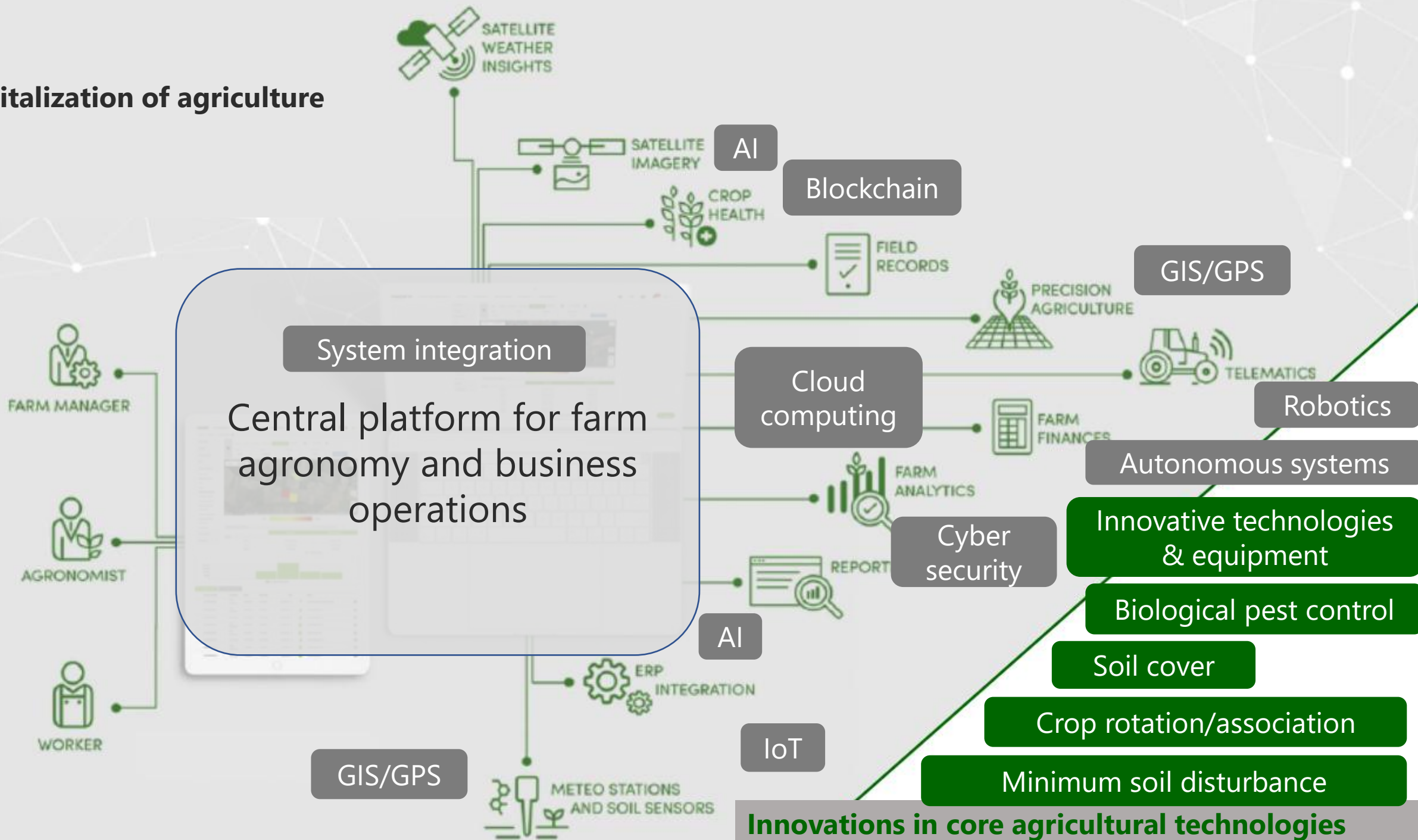


Complexity in:

- Food Chain Technologies and
- Novel & Sustainable Food



Digitalization of agriculture





Caution!





WIND EROSION

In the **United States**, **wind erosion** is the dominant problem on about 30 million hectares (73.6 million acres) and moderately to severely damages approximately 2 million hectares (4.9 million acres) annually (USDA, 1965). 2. ruj 2012.

Source: <https://infosys.ars.usda.gov/WindErosion/problem/problem.shtml>





Smart(er) Agricultural Robots





EIC – things you should know about

**Strong focus on
deeptech with
disruptive effect on
the market**



EIC Programmes



- Technology maturation from proof of concept to validation (TRL 3-6)
- Grants up to € 2.5 million



**BOOSTER
GRANTS**

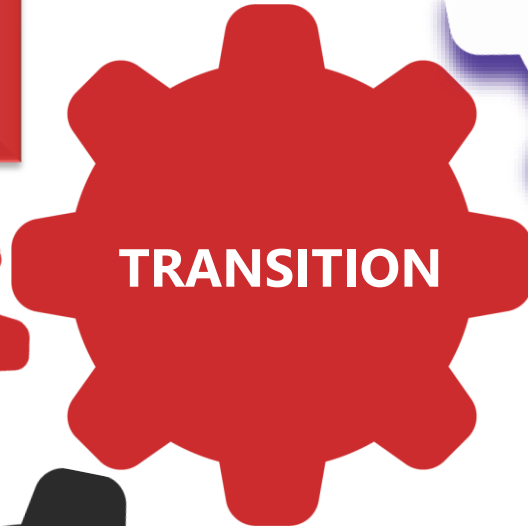


PATHFINDER

- Early stage research on breakthrough technologies (TRL 1-4)
- Grants up to € 3 to 4 million



**TECH 2
MARKET**



TRANSITION

- Scale-up innovation in Europe's strategic technology sectors (Digital and Deep Tech, Clean Technologies, Biotechnologies)
- Equity investment up to € 30 million



STEP

- Development & scale up of deep-tech/disruptive innovations by startups/SMEs (TRL 6-9)
- Blended finance (grants up to € 2.5 million; equity investment up to € 10 million)



ACCELERATOR

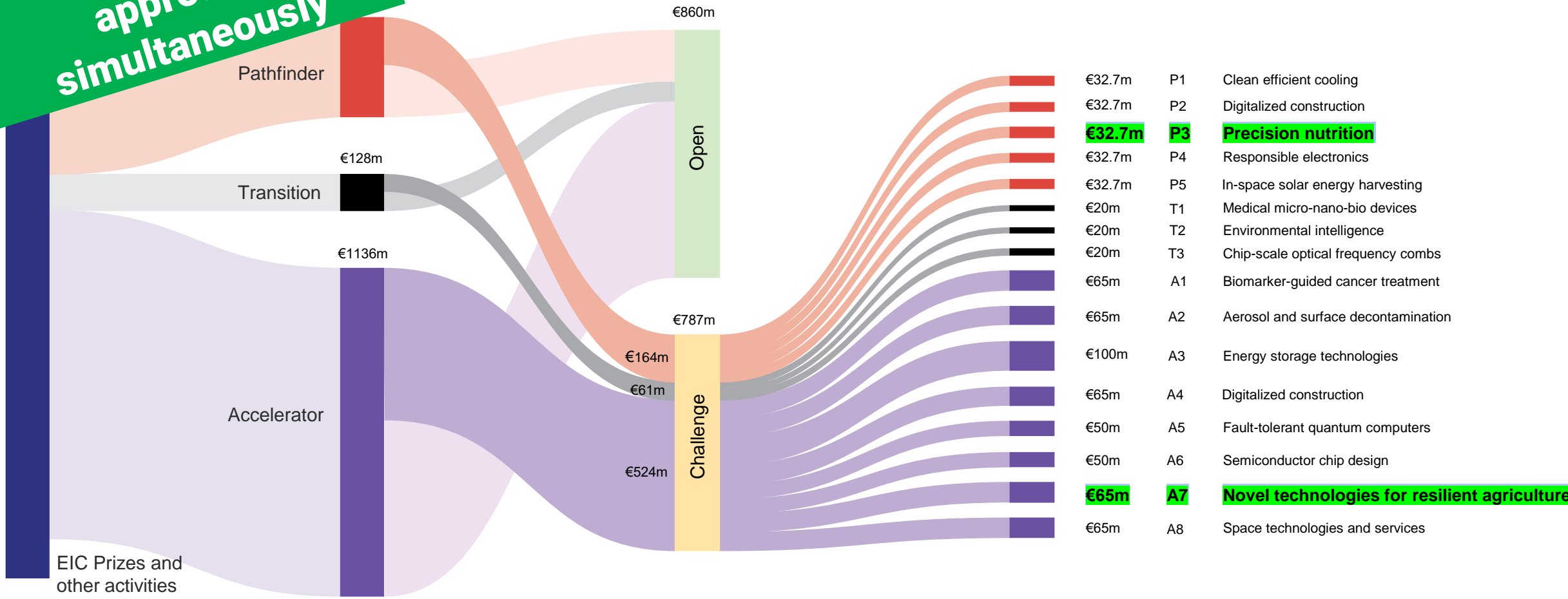


**BUSINESS
ACCELERATION
SERVICES**



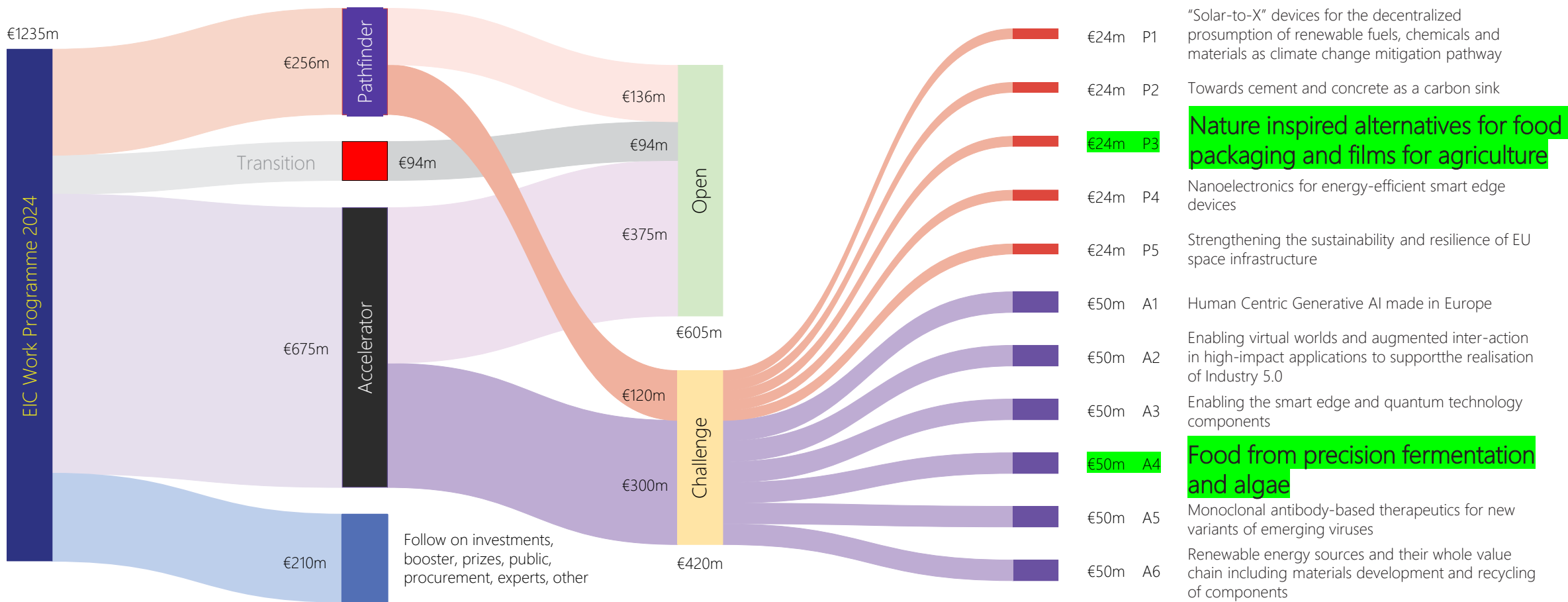
EIC Work Programme 2023

Applying top-down and bottom-up approach simultaneously



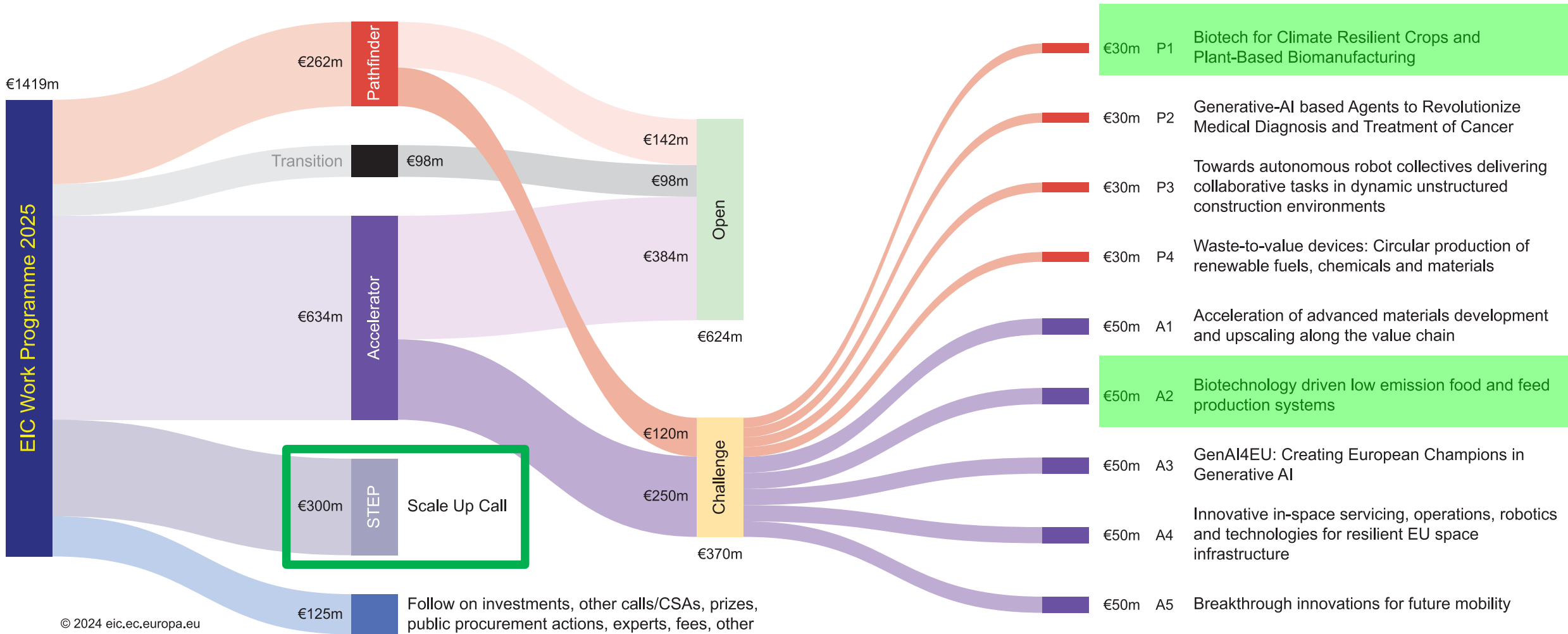
EIC Work Programme 2024

New year - new challenges

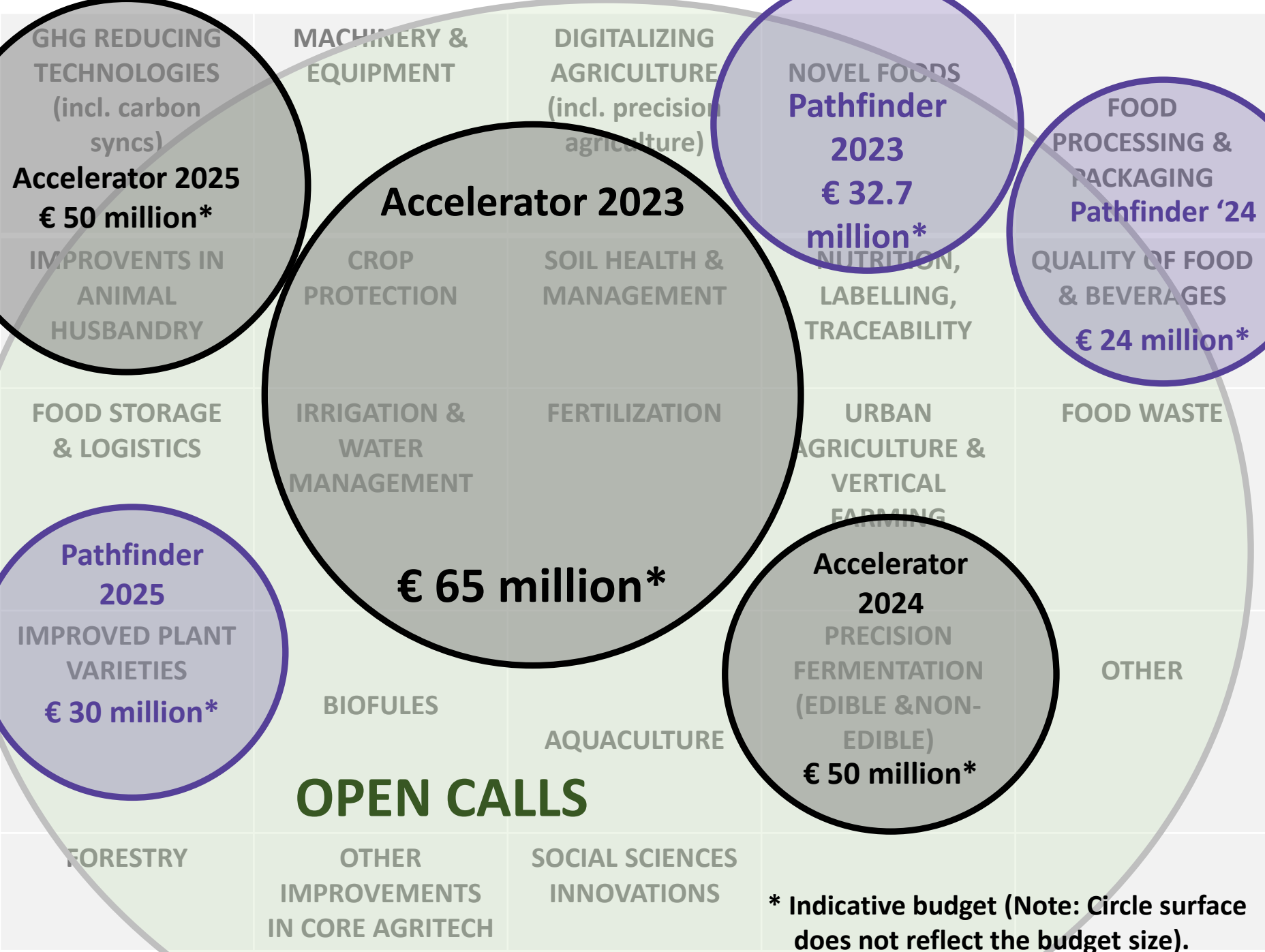


EIC Work Programme 2025

New year - new programs and new agrifood challenges



EIC Challenges in Agrifood sector 2023-2025



- A23 Novel Technologies for Resilient Agriculture
- P23 Precision Nutrition
- A24 Food from precision fermentation and algae
- P24 Nature inspired alternatives for food packaging and films for agriculture
- A25 Biotechnology driven low emission food and feed production systems
- P25 Biotech for Climate Resilient Crops and Plant-based Biomanufacturing

* Indicative budget (Note: Circle surface does not reflect the budget size).

Innovation
made in Europe

Thank you

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www.eic.ec.europa.eu

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EU CAP Network seminar 'Robotics & AI in farming & forestry'

19-20 February 2025
Utrecht, NL

All information on the seminar is available on the event webpage:

<https://eu-cap-network.ec.europa.eu/events/eu-cap-network-seminar-robotics-and-artificial-intelligence-farming-and-forestry>

