

European Innovation Council

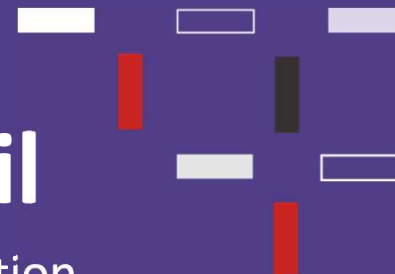
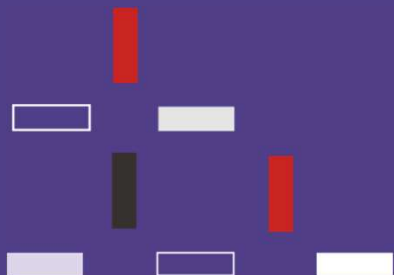
in support of emerging technologies and disruptive innovation

Maciej Lopatka, EIC

TIPP 2023, Technology and Knowledge Transfer

September 6th

European
Innovation
Council





BACKING **VISIONARY** ENTREPRENEURS



What's holding back EUROPEAN INNOVATION?



PERFORMANCE

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



FUNDING & INVESTMENT

- Financing gaps
- 2 “valleys of death”
 - In Transition from lab to enterprise
 - Scaling up for high-risk innovative start-ups

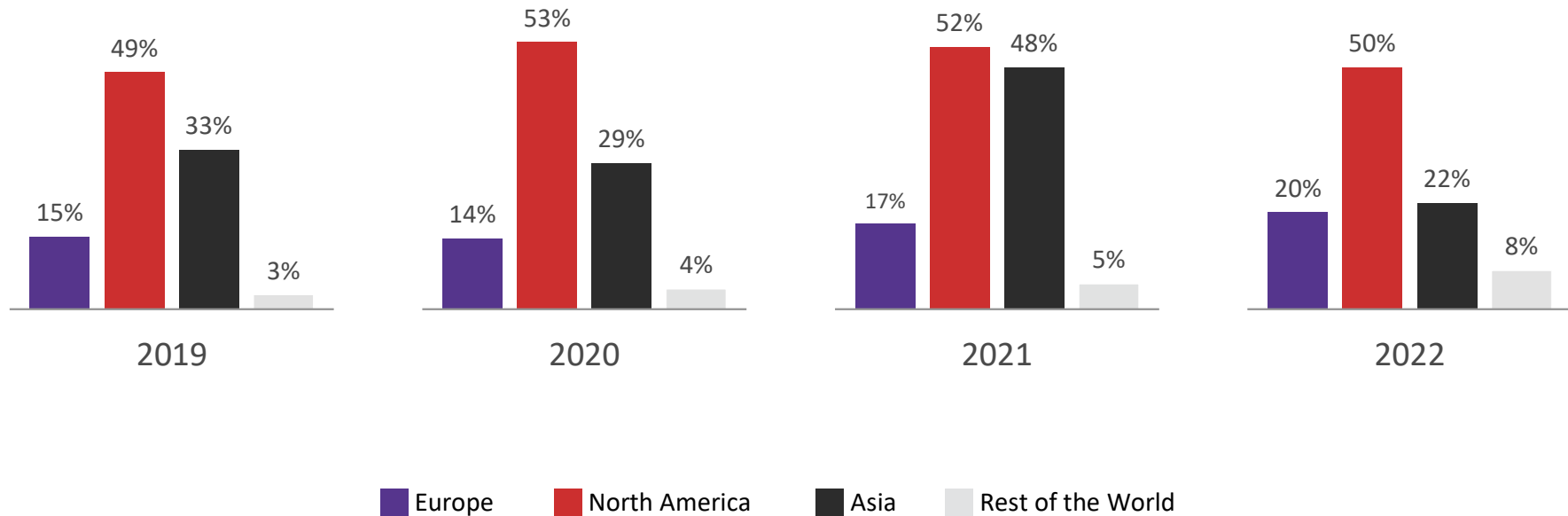


ECOSYSTEM

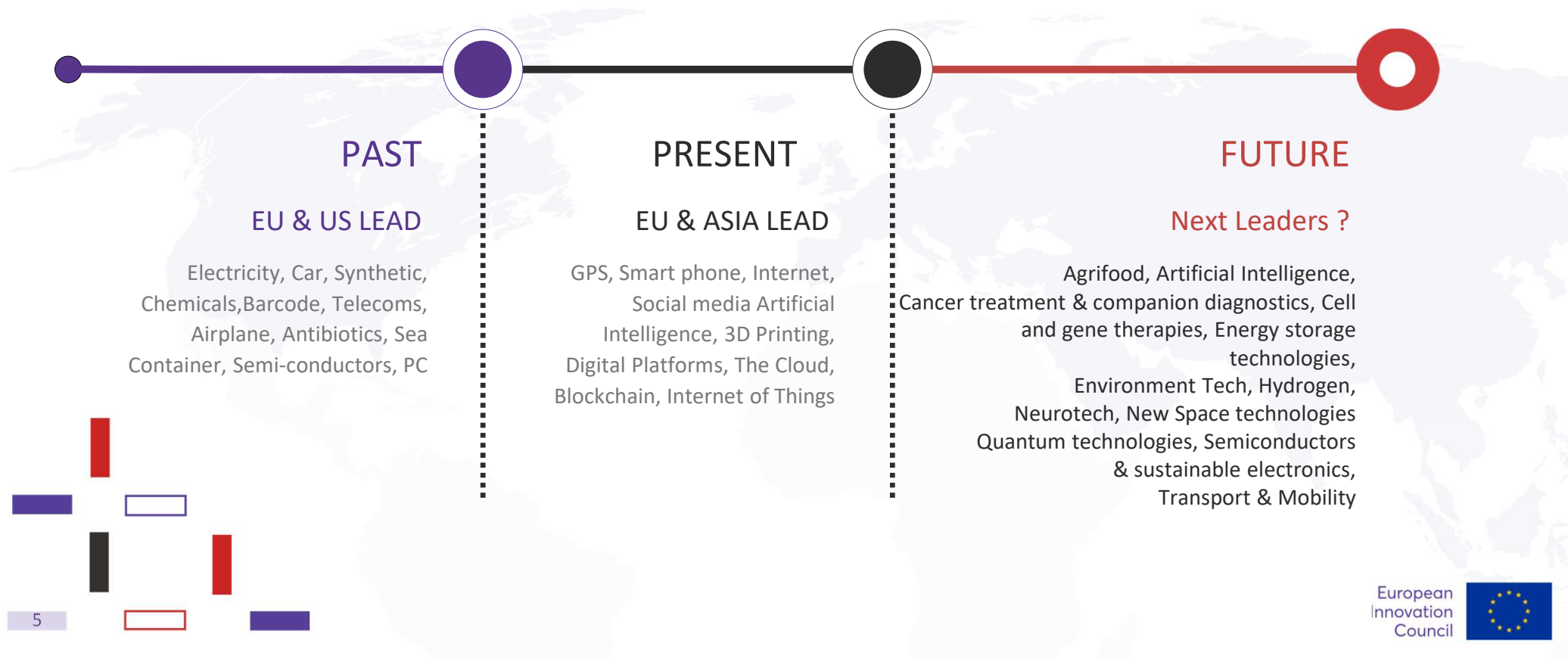
- Many national & local ecosystems, but fragmented at European level
- Need to include all regions and all talent (especially female)



US Venture Capital Investments 4-5 TIMES HIGHER THAN EU



Who will lead the next STRATEGIC INNOVATIONS?



The Innovation Pillar of **HORIZON EUROPE**

01. European Innovation Council
Support to innovations with breakthrough and market creating potential.

02. European Institute
of Innovation & Technology
Bringing key actors (research, education and business) together around a common goal for nurturing innovation

03. European Innovation Ecosystems
Connecting with regional and national innovation actors

€10.1
BILLION

€2.9
BILLION

€520
MILLION

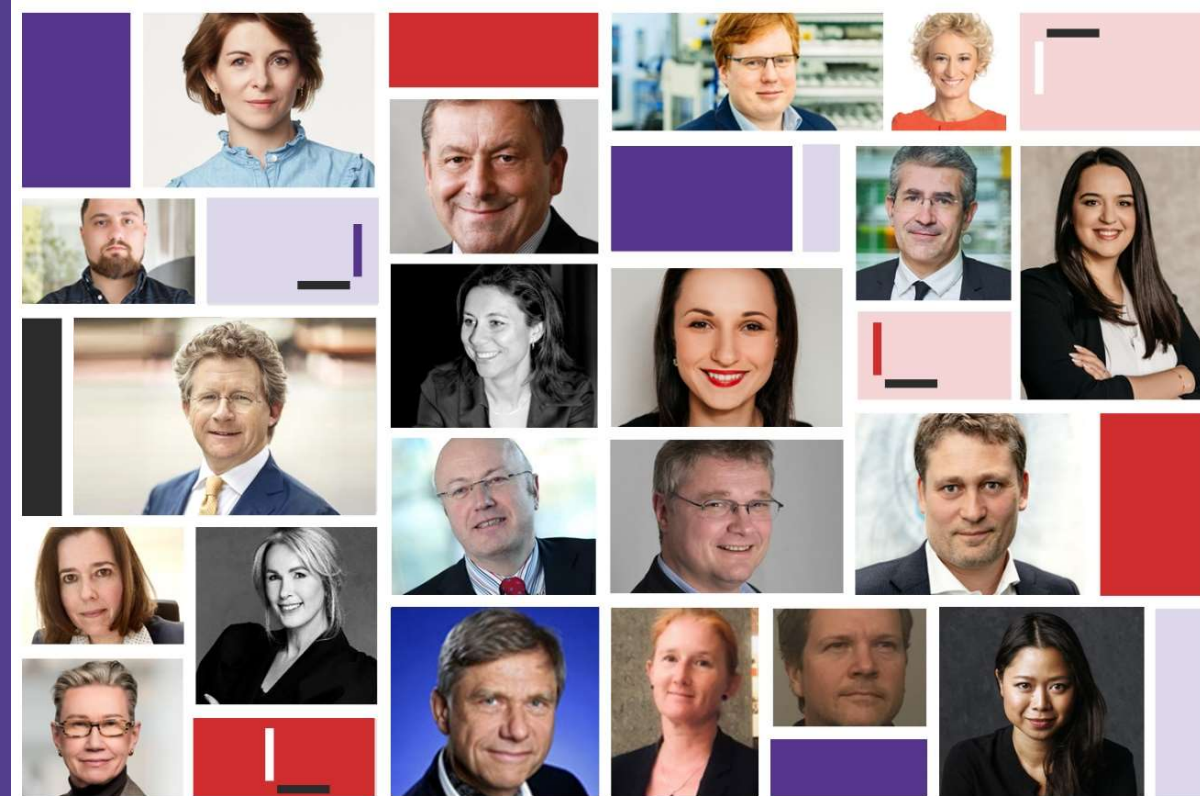
EIC Board

ROLE TO ADVISE:

- EIC strategy

DIVERSE EXPERTISE:

- Entrepreneurs, investors, researchers, innovation ecosystem
- Gender balance (parity), geographic balance (20 nationalities)



EIC Proactive Management

- Strategic assessment and clustering of projects
- Building of portfolios based on strategic intelligence
- Portfolio management (scientific and business advice)
- IP management advice (in collaboration with the technology transfer offices)





Iordanis Arzimanoglou

Biotechnology & Health

Enric Claverol-Tinturé

MedTech & Medical Devices

Francesco Matteucci

Materials for Energy & Environment

Antonio Marco Pantaleo

Energy Systems

Stella Tkatchova

Space systems & technologies

Samira Nik

Quantum tech & electronics

Franc Mouwen

Architecture engineering construction technologies

Ivan Stefanic

Food chain technologies, novel & sustainable food

Isabel Obieta

Responsible electronics

Carina Faber

Renewable energy conversion & alternative resource exploitation

**EIC
PROGRAMME
MANAGERS**

EIC PRIZES

- Women innovators
- Capital of innovation
- Innovation procurement
- Social innovation
- Horizon
- Humanitarian Innovation

SEAL OF EXCELLENCE

Fast track to other funding

EIC ACCELERATOR SERVICES

- Mentors, coaches
- Global partners
- Innovation ecosystems
- EIC Community Platform

EIC TRANSITION

- For consortia & single companies
- Grants up to €2.5 million
- To develop business cases (TRL 4-6)

EIC PATHFINDER

- For consortia
- Grants up to €4 million
- To research technology breakthroughs (TRL 1-4)

EIC ACCELERATOR

- For single companies
- Grants up to €2.5 million
- Equity up to €15 million or above
- To enter the market & scale-up (TRL 6-9)

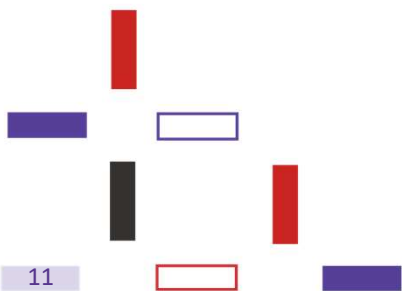
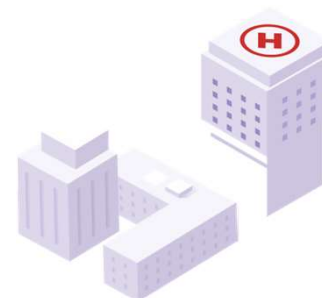
EIC

WHO CAN APPLY & WHAT FOR?

PATHFINDER

Consortia of at least 3 different independent legal entities established in at least 3 different eligible countries. Additionally, single applicants or small consortia (2 partners) for EIC Pathfinder Challenges only.

Grants of up to €3 million (open) or €4 million (challenges, or more if duly justified), to achieve the proof of principle and validate the scientific basis of breakthrough technology (Technology Readiness Levels 1-4)





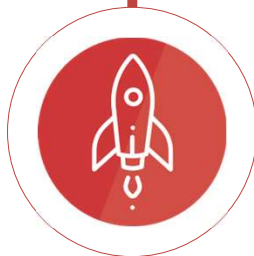
Single applicants (SMEs, spin-offs, start-ups, research organisations, universities) or small consortia (2 partners) or consortia of 3 to 5 different independent legal entities established in at least 3 different eligible countries. *Proposals must build on eligible EU-funded project results.*

TRANSITION

Grants of up to €2.5 million to validate and demonstrate technology *in application-relevant environment (Technology Readiness Levels 4 to 5/6) and develop market readiness.*

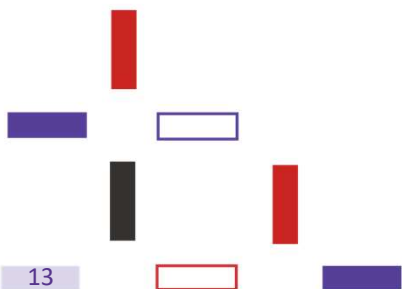


Grants for up to €2.5 million for developing your innovation (TRL 5/6 to 8)
Investments of €0.5 up to €15 million in the form of direct equity or convertible loans for scaling up your innovation and attracting co-investors



EIC ACCELERATOR

Single start-ups and SMEs (including spin-outs), individuals (intending to launch a start-up/SME) and in exceptional cases small mid-caps (fewer than 499 employees)



EIC OPEN & CHALLENGES OVERVIEW 2023



EIC PATHFINDER



EIC TRANSITION



EIC ACCELERATOR

OPEN

DEADLINES

- 7 March 2023
- 12 April 2023
- 27 Septembre 2023
- Short Applications: Continuous
- Full Applications 2023: 11.01 - 22.03 - 21.06 - 04.10

INDICATIVE BUDGET

- € 179.50 MILLION
- € 67.86 MILLION
- € 611.75 MILLION

CHALLENGES

DEADLINES/CUT-OFFS

- 18 October 2023
- 12 April 2023
- 27 September 2023
- Short Applications: Continuous
- Full Applications 2023: 22.03 - 21.06 - 04.10

INDICATIVE BUDGET

- € 163.50 MILLION
- € 60.50 MILLION
- € 523.49 MILLION

CHALLENGES

- Clean & efficient cooling
- Construction digitalisation
- Precision nutrition
- Responsible electronics
- In-space solar energy
- Micro-Nano-Bio devices
- Environmental intelligence
- Chip-scale optical frequency combs
- Biomarkers for cancer
- Decontamination for pandemic management
- Energy storage
- New European Bauhaus
- Quantum or Semiconductor components
- Resilient agriculture
- Space technologies & services



EIC IMPACTS (From 2022)

CROWDING IN OTHER INVESTMENTS

- **€ 10 billion** follow up investments to EIC supported companies
- Leverage effect: 2.6 times private co-investment on EIC Fund investments
- **12 unicorns** - value € 1 billion+
- **112 centaurs** - value € 100 million+

ADDRESSING SUSTAINABLE DEVELOPMENT GOALS

- Main thematic in:
 - ✓ **Green Deal**
 - ✓ **Digital**
 - ✓ **Health**

GROWING SUPPORT TO STARTUPS & SMEs

- **1600** supported since 2014
- **410** selected for **blended finance** with **€ 2.18 billion equity proposed**
- Increase in startups with female CEOs

A PIPELINE OF BREAKTHROUGH TECHNOLOGIES

- **400** research projects
- **800** innovations tracked
- **Pilot of Transition funding** to follow up research results into applications



Thank You

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European
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