



European
eic INNOVATION
Council

EMPOWERING EUROPEAN INNOVATORS

The European Innovation Council

Director Jean-David MALO

**Slovenian Horizon Europe Kick-off Event
8 December 2020**

*Research and
Innovation*



What's holding back European innovation:

Innovation performance

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

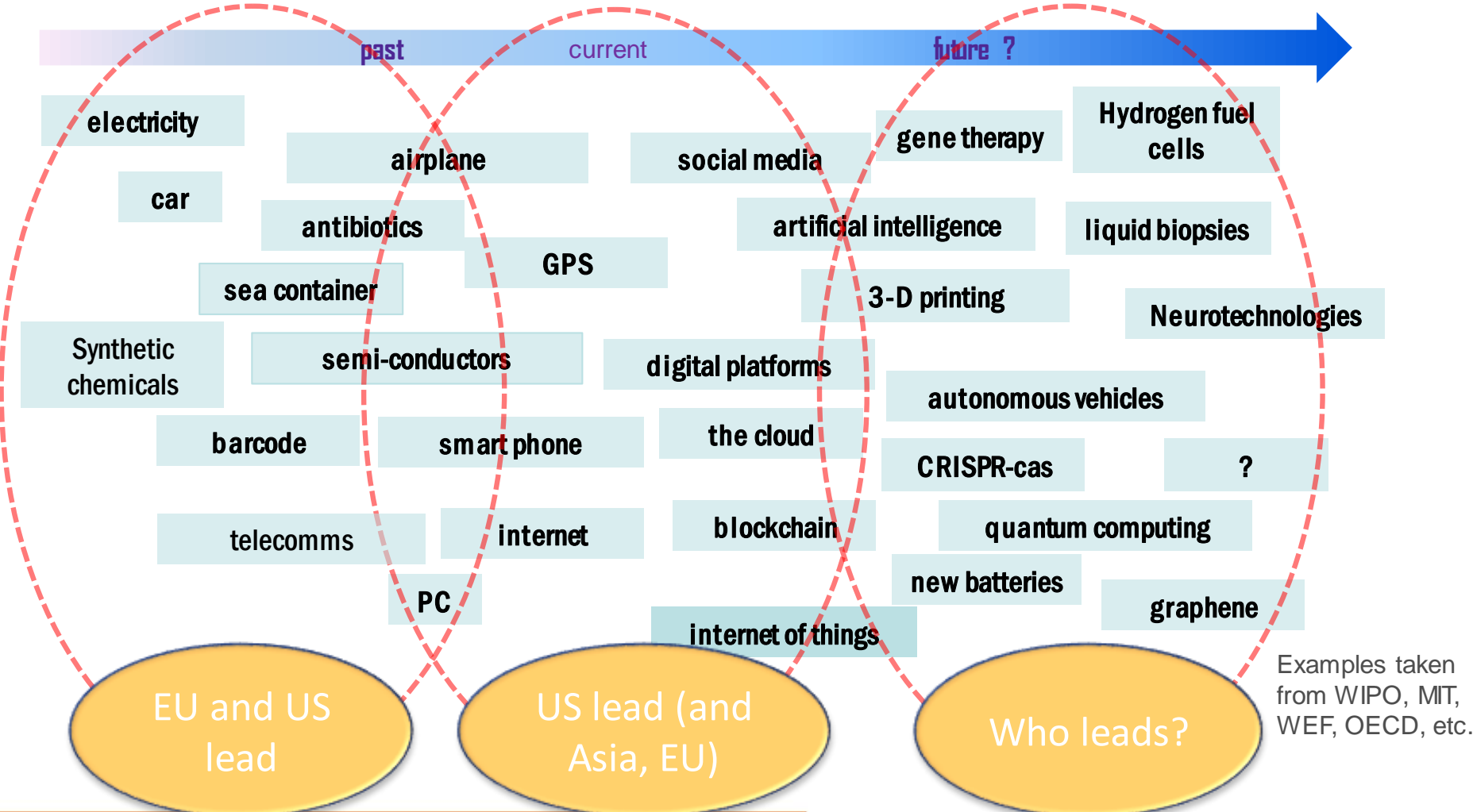
Innovation funding

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

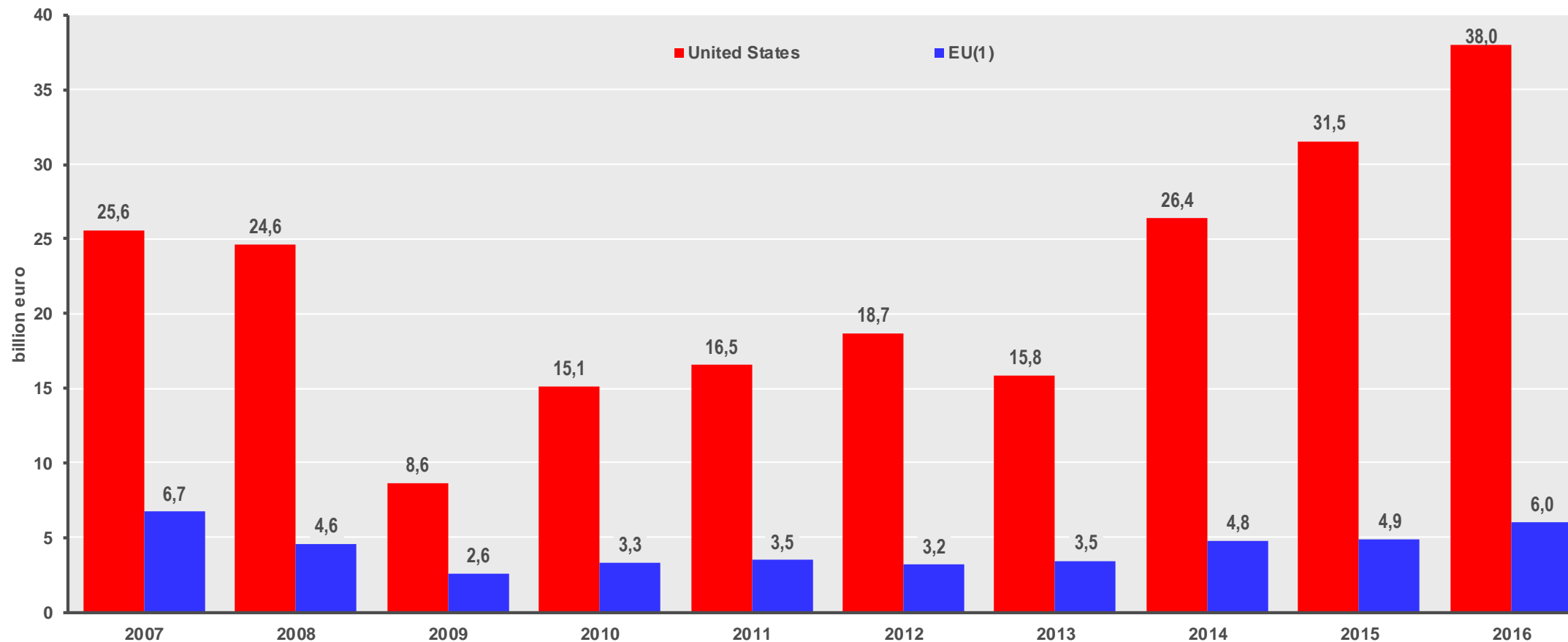
Innovation ecosystem

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

Who will lead the next wave of breakthrough and disruptive innovation?



Financing gap: venture capital US vs EU



Venture capital raised. Data: Invest Europe, NVCA / Pitchbook. (1) EU does not include HR, CY, MT, SI, SK.

**THE EUROPEAN
INNOVATION COUNCIL (EIC)
SO FAR...**

The European Innovation Council

One stop shop for breakthrough, deep-tech, market-creating innovators

Open to all innovators, in any field, at any time

Complemented by **targeted funding** on **strategic technologies** and innovations

Highest potential innovators selected on basis of high-risk/high-impact idea, scaleup potential, and team

Agile funding from idea to investment

Pathfinder for advanced research on emerging technologies

Transition from lab to commercial setting

Accelerator to scale up innovations by start-ups & SMEs (<€2.5 million grant, <€15 million equity)

Building ecosystems and communities

Access to **business acceleration services** (coaches, mentors); to corporates & investors; to knowledge partners

EIC Programme Managers to develop visions for breakthroughs, manage portfolios, and connect to ecosystems

Crowding in other investors (VC, corporate VC, etc.)

Currently in pilot phase (2018-20) under Horizon 2020 programme

- ✓ **Pilot phase budget of €3.5 billion (2018-20)**, €1.55 billion in 2020
- ✓ **Very high demand:** ~ 12000 applications from SMEs/ startups in 2020 with request for over €38 billion support
- ✓ **Highly competitive:** 2-3% success rate for funding (but also >2500 “Seals of Excellence” to facilitate applicants access to other funding)
- ✓ **Introduction of “blended finance” (grant + equity) and establishment of EIC Fund** to manage direct equity investments (pipeline of 140 companies)
- ✓ **Special support for COVID relevant innovations:** 36 Startups/SMEs awarded funding of over €160m in March/April in healthcare, protection, business continuity etc.
- ✓ **‘Green Deal’ EIC accelerator (€300m):** 64 startups/ SMEs awarded funding of over €300m in July 2020
- ✓ **More women innovators:** at least 25% of start-ups/ SMEs invited to interview to have female CEO
- ✓ **First EIC programme managers** in post: Iordanis Arzimanoglou (health & biotech), Enric Claverol (medtech & devices), Francesco Matteuci (materials for energy& environment); Antonio (Marco) Pantaleo (energy systems)
- ✓ **Expanded Business Acceleration Services** (multi-corporate days, procurer’s days, visits to innovation hubs, overseas trade fairs, etc.)

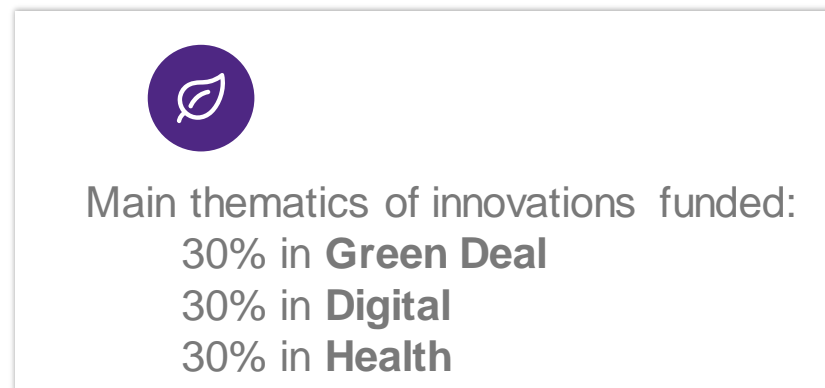
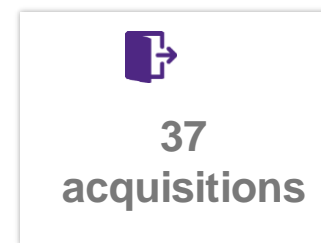
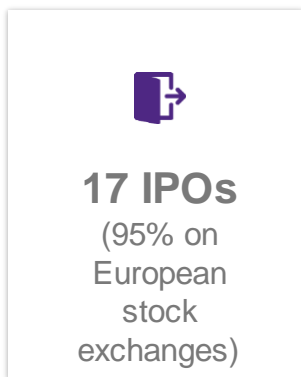
Performance of EIC pilot Pathfinder Portfolio (including FET Open & Proactive)

		Applications					Sum
		Health	Digital	Energy & Environment	Food & Agriculture	Manufacturing/Infrastructure	
Technologies	Biotech & bioengineering	95	3	3	5	4	110
	Engineering	0	6	3	0	11	20
	Data	7	23	2	0	1	33
	Materials	23	69	41	2	38	173
	Sum	125	101	49	7	54	336

- 2662 Peer-Reviewed Scientific Publications, 72% in high profile journals
- 590 innovations, 451 addressing new and emerging markets

Performance of EIC pilot Accelerator Portfolio

Over 5.700 startups & SMEs supported since 2014 (including previous SME instrument)



Slovenian Performance in the EIC Pilot (1/2)

- In terms of obtaining EIC funding over the period 2014 - mid 2020, in € per capita, **Slovenia ranks 9th** among Member States, with 10.9.
- **70 Slovenian start-ups & SMEs** were awarded funding worth € 20.9 million in the SME instrument under Horizon 2020 (2014-2019).
- Over the 4 last **EIC Accelerator** calls for proposals (end of 2019 – summer 2020), **2 Slovenian startups and SMEs** were selected for funding over a total of € 2.7 million. **Slovenia ranks 18th** among participant countries in terms of selected projects, but only 24th in terms of proposed funding.

Slovenian performance to the EIC pilot (2/2)

- Both projects were recently selected in the context of the **Green Deal call**:
 - **Fibrestop** (www.planetcare.org);
 - **T-Sense Cold** (www.mycol.si).
- In the context of the **ultimate EIC Accelerator call under Horizon 2020**, 36 Slovenian proposals were received (0,85 % over 4.223, ranking Slovenia 25th among Member States and Associated countries), totalling € 114.4 million of requested funding (0,74 % of € 15.4 billion, ranking Slovenia 22nd among Member States and Associated countries).
- Under the **EIC Pathfinder pilot**, Slovenia takes part of 13 grants out of all 511 funded projects (quote of 2.54 %). There is a total of 14 participations in the funded grants from Slovenia with 2 roles as Coordinator and 12 as Partner in the consortium. The total received budget for Slovenia amounts to € 5.3 million out of the total of € 1.49 billion (0.36 %).

WHAT WILL THE EIC LOOK LIKE UNDER HORIZON EUROPE?



CHAIR
Mark Ferguson
 Entrepreneur, Science
 Foundation Ireland



VICE-CHAIR
Hermann Hauser
 Co-founder of Amadeus
 Capital Partners



Kerstin Bock
 CEO of
 Openers



Jo Bury
 Managing Director of
 Flanders Institute of
 Biotechnology



Dermot Diamond
 Principal Investigator:
 INSIGHT Centre for Data
 Analytics, Dublin City
 University



**Laura Gonzalez-
 Estefani**
 Founder and CEO at
 TheVentureCity



**Jim Hagemann
 Snabe**
 Chair Siemens
 AG, Chair AP
 Moller Maersk
 A/S



Ingmar Hoerr
 Founder and
 Chairman of
 the
 Supervisory
 Board of
 CureVac AG



**Fredrik
 Hörstedt**
 Vice president
 of utilisation
 Chalmers
 University of
 Technology



Heidi Kakko
 Partner of
 BaltCap
 Growth Fund



Bindi Karia
 European
 Innovation Expert +
 Advisor, Connector
 of People and
 Businesses



**Anita Krohn
 Traaseth**
 Former CEO
 Innovation
 Norway



Jerzy Langer
 Physicist, Emeritus
 Professor at the
 Institute of Physics
 of the Polish
 Academy of Sciences



Ana Maiques
 Chief
 Executive
 Officer,
 Neuroelectronics



Marja Makarow
 Biochemistry/
 molecular
 biology, director
 of Biocenter
 Finland



Carlos Oliveira
 Serial Entrepreneur,
 Innovator,
 Executive President
 of José Neves
 Foundation



**Valeria
 Nicolosi**
 Chair of
 Nanomateria
 ls and
 Advanced
 Microscopy



**Bruno
 Sportisse**
 Chair and
 CEO at INRIA



**Kinga
 Stanislawska**
 Managing
 Partner and
 Founder of
 Experior
 Venture Fund



**Roberto
 Verganti**
 Innovation
 academic,
 former RISE
 group



Martin Villig
 Co-founder of
 Bolt (formerly
 Taxify)



Yusef Yusef
 CEO of LG Sonic

EIC Advisory Board vision statement (27 April 2020)

1. EIC to pioneer a European approach to global innovation challenges:

- ✓ **Unique** in combining advanced technological research (DARPA like) with innovation accelerator
- ✓ **Hallmark of excellence** for innovators (like ERC for researchers)
- ✓ **Overcome system biases**, e.g. in terms of high risk, gender, regions

2. EIC to crowd in private investors:

- ✓ **Filling market gaps** for financing high risk/ high impact ideas
- ✓ **3-5 euro** for every euro allocated by EIC
- ✓ Generating **impacts from other EU and national programmes**

3. EIC as funder & investor of choice for visionary ideas

- ✓ Targeting **deep-tech, interdisciplinarity, high risk** to achieve high impact
- ✓ **Simple, fast applications** focusing on the innovator
- ✓ High class **mentoring and advice**, as well as funding

“Full EIC” under Horizon Europe (2021-27)

Key elements from Horizon Europe legal base (common understanding):

- ✓ **EIC legally established**
- ✓ **Dedicated budget**, mainly **bottom-up**, but also **targeted funding** for strategic technologies/ challenges
- ✓ **Dedicated governance with independent Board of innovators and President** to set strategy, advise on work programme, oversee implementation
- ✓ **Creation of “one stop shop” for implementation (Agency + EIC Fund)**
- ✓ **Separate work programme** for all EIC activities
- ✓ **Improved funding instruments** (Pathfinder, Transition, Accelerator) & **Business Acceleration Services**, learning from pilot
- ✓ **More flexible rules for selection and funding** (selection by portfolio, ability to stop or reorient, links to Invest EU)
- ✓ Increased role for **EIC Programme Managers** to develop visions for breakthroughs and manage portfolios of projects
- ✓ **Fast track access** for Horizon grant holders (incl. European Research Council) and certified national schemes
- ✓ **EIC Forum** with innovation ecosystem actors

Thank you

www.ec.europa.eu/research/eic

#EU_EIC