



European
Commission

European
eic INNOVATION
Council

EMPOWERING EUROPEAN INNOVATORS

Innovation finance for clean energy

Nuno Quental

European Innovation Council
Task force
European Commission

Research and
Innovation



EIC: **Direct** **funding to** **high-** **potential** **innovators**



SIMPLE
Open to all
areas of
innovation



AGILE
Pro-active
management



INNOVATOR
centric



PATHFINDER:

Researchers, technologists

CONSORTIUM
GRANT-ONLY
€ 3 - 4
MILLION
>3 PARTNERS
3-4 YEARS

€ 700 million
Approx. 180 projects



ACCELERATOR:

Start-ups, SMEs
and entrepreneurs

SMES
GRANT +
EQUITY
<€ 2,5+15
MILLION

€ 1500 million
Approx. 700 projects

SCALE-UP
INVESTMENT

INNOVATIVE
IDEA

TEST & CO-CREATE

FEASIBILITY -START-UP

DEVELOPMENT

Coaching, mentoring and business acceleration services for all SMEs

EIC Accelerator Pilot

Financing to Scale Up

For developing and scaling up **high-risk innovations**

Grant funding of **up to €2.5 million** – 70% of costs

All funding is open – **no predefined thematic areas**

Option of an equity investment of **up to €15 million**

Access to EIC **coaching and mentoring services**, pitches with corporates, VCs, etc.



Investment strategy

- Impact investment, rather than maximizing return on the investment
- Patient capital, with a long average perspective on return on the investment (7-10 years) with a maximum of 15 years.
- The exit strategy on a case-by-case basis: may include IPOs, management buyouts, secondary sales or liquidations.

Lessons learned so far

- Around 1,900 proposals per cut-off (3,699)
- 170-180 proposals invited to interviews
- 119 selected proposals (3.24% success rate so far)
 - 63 grant-only
 - 56 blended (average €2 million grant + €4 million equity)

DACOTA – Norway

The green innovation, AORTA, increases the utilisation ratio of seaweeds from approximately 15 and up to 100% without using formaldehyde and other harmful chemicals. The harvesting method, Hypomar, interferes minimally with the seabed and surrounding marine life during harvesting.

QualE-fly– Sweden

A high-efficiency electric drivetrain (named QualE-fly) to power an all-electric nineteen-seater airliner with a range of 400 km, set to enter service in 2025.

AR Green Cam – Spain

The world's lowest power consumption dual-purpose Mini Camera (for depth and high-resolution images) that globally will save energy consumption of 126.964 MWh and emissions of 83.102 tons of carbon dioxide per year.

Orion Project – France – Female CEO

A range of 28V lithium batteries, for the largest aeronautic battery market, replacing toxic batteries, and generating savings of 1M tons of Co2 within the next 8 years. The innovation can potentially revolutionise the aviation sector.

UVERA – Poland – Female CEO

A natural UV filter safe for health of end-users (skin) and the environment, as it is safe for all eco-systems, marine and land.

MIMBOX – Sweden – Female CEO

Mimbox captures the micro plastics released by washing machines, cuts up to 70% of water consumption by cleaning and recycling the greywater and reduces by 30% the energy consumed in water heating.

EGREEMPLARE – Netherlands – Female CEO

The first eco-friendly technology for greasy mixed plastic recycling. The company aims to improve the amount and quality of recycled plastic, by bringing academic technology to the plastic recycling industry.

T-Sense Cold – Slovenia – Female CEO

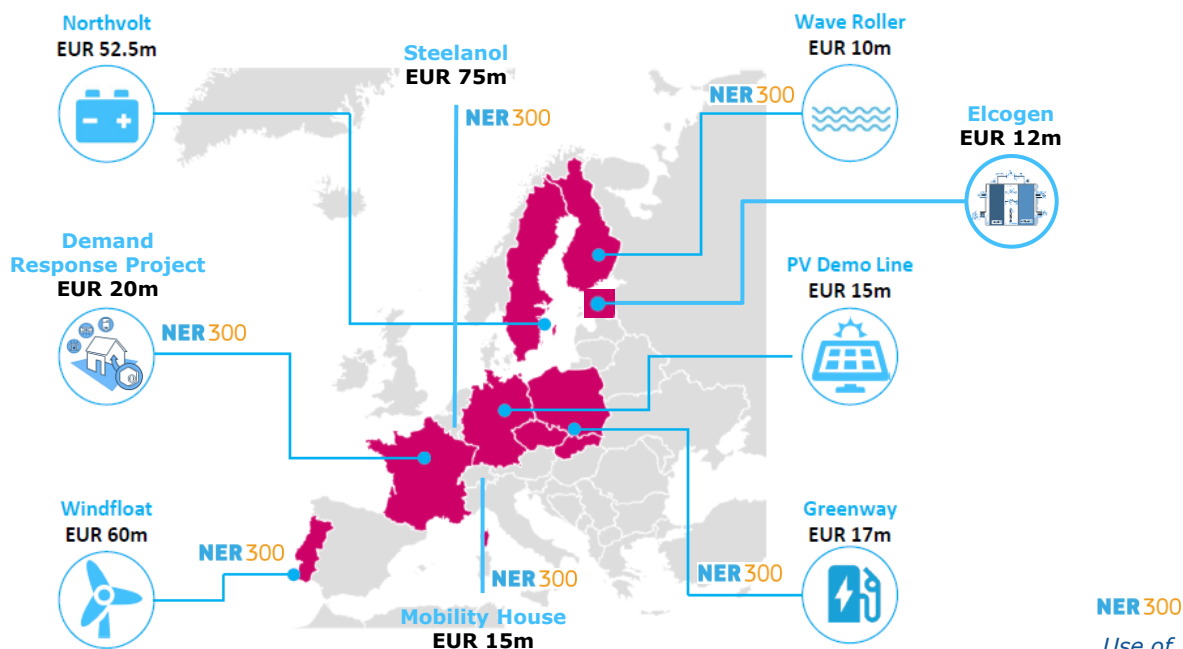
T-Sense Cold represent the series of irreversible temperature-sensitive color-changing labels for package in cold supply chains. The SME realizes the irreversible (permanent) color change by re-combination of similar substances using advanced chemical engineering.

EIC Horizon Prizes 2019- 2021

CHALLENGE-DRIVEN PRIZES	VALUE	DEAD LINE
INNOVATIVE BATTERIES FOR EVEHICLES*	€10 million	Dec. 2020
FUEL FROM THE SUN: ARTIFICIAL PHOTOSYNTHESIS	€5 million	May 2021

InnovFin Energy Demo Projects

InnovFin EDP (m€)	(Of which) NER300 (m€)	Project costs (m€)
265,8	174,2	608,3



NER300
Use of
undisbursed
NER300 funds

Breakthrough Energy Ventures - Europe

- **€100 million fund** (50+50 *pari passu* between the Commission and BEV)
- Targets European companies developing breakthrough innovations on **climate mitigation**
- Sectors: energy, transport, buildings, industry, agriculture
- Possibly open to additional investors after first closing
- Launched Q1 2020

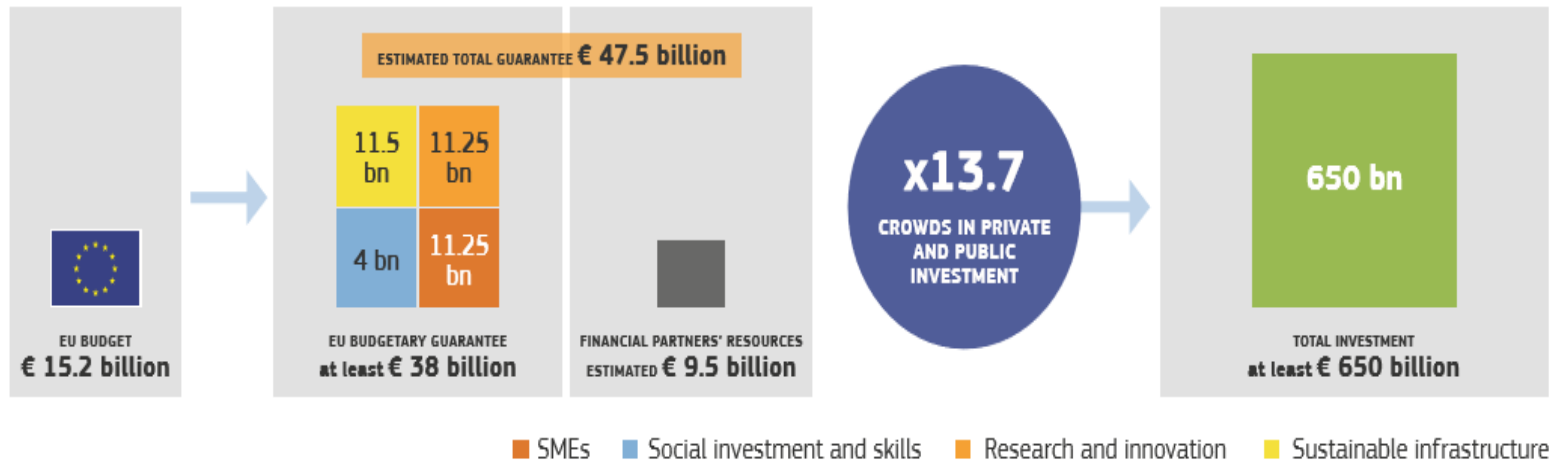


European Circular Bioeconomy Fund

- Target fund volume of €250m with EC participation of up to €100m guaranteed under InnovFin
- Investment strategy targets:
 - circular economy technologies and new business models
 - enabling process technologies
 - biomass production
 - bio-based materials
 - performance biologicals
 - excluded sectors: energy and pharmaceuticals
- Technology Readiness Level: 6-9

Financial instruments in the next MFF – InvestEU

InvestEU Fund indicative budget allocation



- The budget allocation for the InvestEU programme was curtailed by the European Council to EUR 9.1 bn (of which EUR 6.1 bn under Next Generation EU and EUR 3.1 bn under MFF) in current prices from EUR 34 bn proposed.

Research, Innovation and Digitisation Window

General direct debt financial product

- Direct loans to SMEs, mid-caps, research and technology infrastructures, universities, and others for innovation and digitisation projects
- Addressing key priorities of the Commission and programmes such as Horizon Europe and Digital Europe

Thematic financial products

- Addressing clearly defined, **higher EU added value policy areas** with **higher risk profile** where the market failure cannot be addressed by the general product
- ❖ **Green Transition Investment Facility** (joint with the Sustainable Infrastructure Window)
- ❖ **Equity product**

Overall figures

InnovFin EIB portfolio, June 2019

- €2277 spent on climate action / energy efficiency
- 75% of which on climate mitigation
- Represents 24% of EIB's InnovFin operations

InvestEU targets

- 30% spent on climate objectives
- 55-60% spent on climate and environment objectives for the sustainable infrastructure policy window



Find out more

ec.europa.eu/research/eic

 #EU_EIC

"[The EIC alone will not create global champions. What it will do is create a European Champions' League]"

Research and
Innovation

