Council



Pathfinder



THE EIC: EU LEADERSHIP IN THE NEXT WAVE OF INNOVATION



The EIC focuses on supporting innovators with breakthrough high-risk ideas and market creating innovation pushing to higher Technology Readiness Levels (TRL).

FROM IDEA TO MARKET

SPECIFIC OBJECTIVES



Crowding in of **co-investments and follow-up investments** in EIC funded companies (e.g. blended finance / equity (-like) support)

Support impact-oriented companies addressing Sustainable Development Goals.



Bridging research to deployment and market (Pathfinder, Transition, Accelerator & supported through proactive management)



Improving **balance across geographical regions**, and in particular the 'widening' countries

Improving gender balance and promoting women innovators

FROM IDEA TO MARKET

EIC INSTRUMENTS









WHAT

- science-towards-technology breakthrough research
- Radically new technologies
- From proof of concept to demonstration of commercial viability
- create new markets and social and economic impacts

WHAT

- beyond the experimental proof of principle
- Identified project results (EIC, FET or ERC PoC) for ground-breaking innovations and new businesses

TRL 4 - 6

- Novel tech validation & maturation
- Increase market readiness

WHAT

- high risk/high gain innovations to go to the market and scale up
- develop p a high-risk innovation
- potential for future social or economic impact or market creation

TRL 1 - 4

Grant: up to 3 M€ (open) 4 M€ (challenge) Funding rate: 100%

WHO

- Consortium 3-5 partners
- Single entity (Challenge call only)

Grant: up to 2.5 M€ Funding rate: 100%

WHO

(from eligible EIC pathfinder, FET, ERC PoC)

- Single entity (SME, Spinoff, start-up, research, academia, researchers)
- Consortium 2-5 partners

Blended finance: up to 2.5 M€ Funding rate: 70%

TRL 5 - 8

Equity investment of up to €15 million

WHO

• Single entity (SME, Spinoff, start-up, entrepreneur ...)





TRANSITION



WHAT

- science-towards-technology breakthrough research
- Radically new technologies
- From proof of concept to demonstration of commercial viability
- create new markets and social and economic impacts

WHAT

- beyond the experimental proof of principle
- Identified project results (EIC, FET or ERC PoC) for ground-breaking innovations and new businesses
- Novel tech validation & maturation
- Increase market readiness

WHAT

- high risk/high gain innovations to go to the market and scale up
- develop p a high-risk innovation
- potential for future social or economic impact or market creation

TRL 1 - 4	TRL 4 - 6	TRL 5 - 8	
HOW	HOW	ноw	
1. Application (Open 17-page, Challenge 25 page)	1. Application (25-page)	 Short application (5-page form , pitch, video) 	
2. Remote evaluation - GO/NOGO	2. Remote evaluation GO NEXT STEP/ NOGO / Seal of Excellence	 Remote evaluation - GO NEXT STEP/ NOGO Full application to cut off dates 	
3. Rebuttal chance	3. Face to face interviews - GO/ NOGO	 Remote evaluation - GO NEXT STEP/ NOGO Face to face interviews - GO/ NOGO/Seal 	



FROM IDEA TO MARKET

PATHFINDER:

Researchers, technologists





- Science-towards-technology breakthrough research
- Radically high risk/high gain new technologies
- Scientific and technological excellence
- From proof of concept to demonstration of commercial viability
- Promote inter-disciplinary collaborative research
- Potentially create new markets and social and economic impacts



PATHFINDER: Researchers, technologists



Challenge driven calls

Grant up to: 4 M€ Call deadline: 27/Out/2021 *Indicative Budget:* 132.0 M€

- Awareness inside
- Tools to measure & stimulate activity in brain tissue
- **Emerging Technologies in Cell & Gene Therapy**
- Novel routes to green hydrogen production
- Engineered living materials 5.







- Do you have a vision disruptive technology that could **make a real difference to our lives**? positive effect to our economy and society
- Do you see a plausible way of achieving the **scientific breakthrough** that will make this technology possible?
- Can you imagine **collaborating** with an interdisciplinary team of researchers and innovators?
 - Get to **proof of principle and validate the scientific basis** of the future technology?
 - Ambitious vision for **radically new technology**, with potential to **create new markets**
 - High-risk/high-gain research (e.g. research risk, market risk)



WHAT





- academia
- research organisations
- start-ups
- high-tech SMEs
- industry interested in technological research and innovation

- Collaborative interdisciplinary team of researchers and innovators
- Consortium that includes at least three independent legal entities, each one established in a different Member State or associated country
- Consortium min 3 partners



Researchers, technologists

PATHFINDER:

WHAT IS THE WAY ?

OPEN

Technology breakthrough

Concrete, novel and ambitious science-towardstechnology breakthrough, providing advancement towards the envisioned technology.

Ambitious interdisciplinary research

High-risk/high-gain research approach and methodology, with concrete and plausible objectives.

Radical vision

Convincing long-term vision of a radically new technology that has the potential to have a transformative positive effect to our economy and society.



EVALUATION CRITERIA

- Excellence,
- Impact,
- Quality of the Implementation

Max 17 A4 pages

02 Collaborate, collaborate, collaborate...

- write your proposal together
- collaboration driven by joint goals and mutual learning
- explore new ways of working/learning together



PATHFINDER: Researchers, technologists



Challenge driven calls

Grant up to: 4 M€ Call deadline: 27/Out/2021 *Indicative Budget:* 132.0 M€

- Awareness inside
- Tools to measure & stimulate activity in brain tissue
- **Emerging Technologies in Cell & Gene Therapy**
- Novel routes to green hydrogen production
- Engineered living materials 5.







- Build on new, cutting-edge directions in science and technology to disrupt a field and a market
- EIC will establish a **portfolio of projects** that explore different perspectives, competing approaches or complementary aspects of the Challenge

WHAT

- A dedicated **EIC Programme Manager**, who establishes a need-driven plan and actively steers the portfolio towards the goals of each Challenge
- You should apply if you have a potential project that would **contribute to the specific objectives of the respective Challenge.**









universities

- research organisations
- SMEs
- start-ups
- natural persons
- NO mid-caps and large companies in single applications

- In order to apply, your proposal must meet the general as well as possible **specific eligibility requirements for a specific Challenge**
- The Pathfinder Challenges support collaborative research and innovation from consortia or applications from single legal entities (unless stated otherwise in the specific challenge chapter).
- Consortium min 2 partners (or single)

PATHFINDER: Researchers, technologists



Awareness inside

New concepts of awareness that are applicable to systems other than human, e.g. Al systems, Robotics, ...

Tools to measure & stimulate activity in brain tissue

A full device with unique features and/or new or nascent physical principles/methodologies that could be the basis for future brain sensing and/or stimulation technologies

Green hydrogen production

O

Proof of concept or lab-scale validated innovative Green H2 production technology

Emerging Tech in Cell & Gene Therapy

Propose convincing technological solutions and/or new breakthrough concepts that go far beyond the current state-of-the-art

Engineered living materials

Develop technologies for the production of a minimum of two different living materials.





FROM IDEA TO MARKET

PATHFINDER:

Researchers, technologists

FROM IDEA TO MARKET

EIC INSTRUMENTS





European Innovation Council

Accelerator & Transition - O caminho para chegar ao mercado













Global Fast-growing Innovative Companies

Die 60 wertvollsten Plattformen der Welt (Mrd. Dollar (Börsenwert; jüngste Finanzierung / Stand 31. Dezember 2017))



Ouelle: Netzoekonom.de / Idee: Peter Evans

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.

European INNOVATION

Innovation

EMPOWERING EUROPEAN INNOVATORS

The EIC story

Europe does not yet have a world class scheme to support the very best innovations in the way that the European Research Council is the global reference for supporting excellent science. So 1 would like us to take stock of the various schemes to support innovation and SMEs under Horizon 2020, to look at best practice internationally, and to design a new European Innovation Council

OUNCIL BET Research and

Carlos Moedas

European Commissioner for Science & Innovation June 2015



- 909 m€ para 2021
- 2,5M€ + 15M€







Avaliação em 4 etapas

- Short Application
- Full Aplication
- Jury Interview
- Ferramenta de Al

9 de Junho 6 de Outubro

- Short application aberta em continuo (apartir de Março)
- First come first served
- Até ao fim de abril se quiserem ser avaliados a 9 de junho.



BUSINESS

the second had been strengthen a make the second second



9 de Junho 6 de Outubro

Digital technologies:

- Advanced high performance computing,
- edge computing,
- quantum technologies,
- cybersecurity,
- artificial intelligence,
- block-chain,
- cloud infrastructure technologies,
- technologies for the Internet of Things.

Healthcare technologies:

- Al-driven tools for early diagnosis;
- Point-of-care diagnostics;
- Cell and gene therapy,
- Novel biomarkers for clinical prognosis,
- Patient stratification or monitoring purposes across a wide spectrum of disorders;
- Bioprocessing 4.0
- healthcare intelligence services;
- e-health solutions for healthcare systems, medical practice and Intensive Care Units.

Green Deal

- Renewable energy, including renewable Hydrogen and energy storage:
- Deep Renovation of buildings:
- Low carbon industries:.
- Batteries and other energy storage systems.



Pathfinder Transition Activities





European Research Council

Established by the European Commission

















Program Managers

Т	hemes	Results	Call	Size	Budget
1.	Medical devices	a) a technology that is demonstrated to be effective for its	22 Sep	40.85M	2,5 M
2. E s	Energy harvesting and storage technologies	intended application			
		 b) a business model and business plan for its development to market. 			
		c) IP			













mailchimp



EMAIL CAMPAIGN DELIVERY

We know how to deliver email

Mailchimp has an advanced delivery infrastructure and a smart delivery team. We'll get your email where it needs to go so you can focus on running your business.

Send An Email

Avoid Outlook's Junk Folder

Anti-Spam Requirements for E

Learn about anti-spam

Spam Filte

What is Spam Email? How to Avoid Spam

rs work hard to reduce evance, so it's important

are going

ls

s.

m? How to Avoid Spam Filters



Contacte-nos!

PERIN Portugal in Europe Research and Innovation Network

Contactos:



ALEXANDRE MARQUES Alexandre.marques@ani.pt

 EIT
 Legal and financial issues



BIBIANA DANTAS Bibiana.dantas@ani.pt

 Entreprise Europe Network



JOÃO RIBAU Joao.ribau@ani.pt • EIC - Pathfinder

FRANCISCA EIRIZ Francisca.eiriz@ani.pt EIT



RITA SILVA <u>Rita.silva@ani.pt</u>

EUREKA/ Eurostars



CRISTINA GOUVEIA Cristina.gouveia@ani.pt

EIC - Transition
EIC - Accelerator

CIÊNCIANVIVA

SOFIA BRAVO Sofia.bravo@ani.pt

EIC -Accelerator



Enviar um email para toda a equipa EIC@anipt.onmicrosoft.com







