

APRE

Agenzia per la Promozione
della Ricerca Europea

The European Innovation Council

Turkey in Horizon 2020 Phase II,
April 8th, 2021

Marta Calderaro, H2020 ICT & FET NCP
APRE- Agency for the Promotion of European Research

Agenda

🏠 The European Innovation Council - Rationale and context

🏠 EIC Pathfinder

→ Open and Challenges

→ Evaluation Criteria



→ Proposal Template EIC Pathfinder Open

🏠 EIC Transition

→ Open and Challenges

→ Evaluation Criteria



European Innovation Council

#EUeic

European
Innovation
Council






[European Innovation Council – Backing visionary entrepreneurs - YouTube](#)

EIC Official Launch



 EIC Official Launch
<https://www.youtube.com/watch?v=vXbdEAMiWiM>

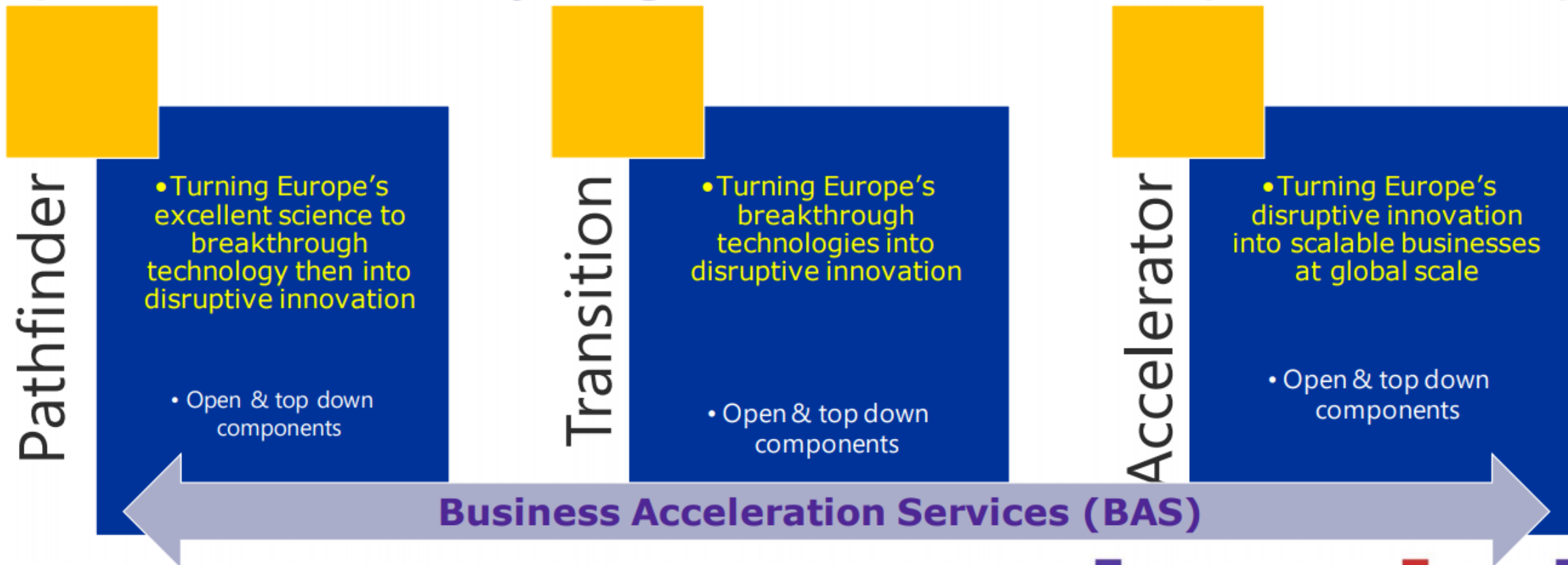
 EIC Applicants Day
 EIC Pathfinder and Transition
<https://www.youtube.com/watch?v=2XRDO1SW6UY&t=2485s>
 EIC Accelerator and EIC Community
<https://www.youtube.com/watch?v=mtmxYEdobSs&t=883s>



<https://eic.ec.europa.eu/system/files/2021-03/EIC%20Work%20Programme%202021.pdf>



EIC: Integrated, agile support across the full innovation spectrum from early stage research to start-up and scale-up.



Pathfinder, Transition and Accelerator common elements

- ❏ Focus on **breakthrough and disruptive innovations**, including social, that have the potential to create new markets;
- ❏ Be **mainly bottom-up**, open to innovations from all fields of science, technology and applications in any sector;
- ❏ Innovations that cut **across different scientific, technological** (e.g. combining physical and digital) **fields and sectors** will be encouraged;
- ❏ They will be **centred on innovators**, simplifying procedures and administrative requirements, making use of interviews to help assess applications, and ensuring fast decision making;
- ❏ They will support **high-risk innovations** where the risks, whether technological/market/regulatory, cannot be borne by the market alone or via Fin.Instr. (InvestEU)
- ❏ They will be **managed pro-actively** with milestones to gauge progress and the possibility to reorient projects where needed.



EIC main instruments and characteristics

Pathfinder

- **Early stage research** on breakthrough technologies
- Grants up to €3/4 million
- Successor of FET (Open & Proactive)

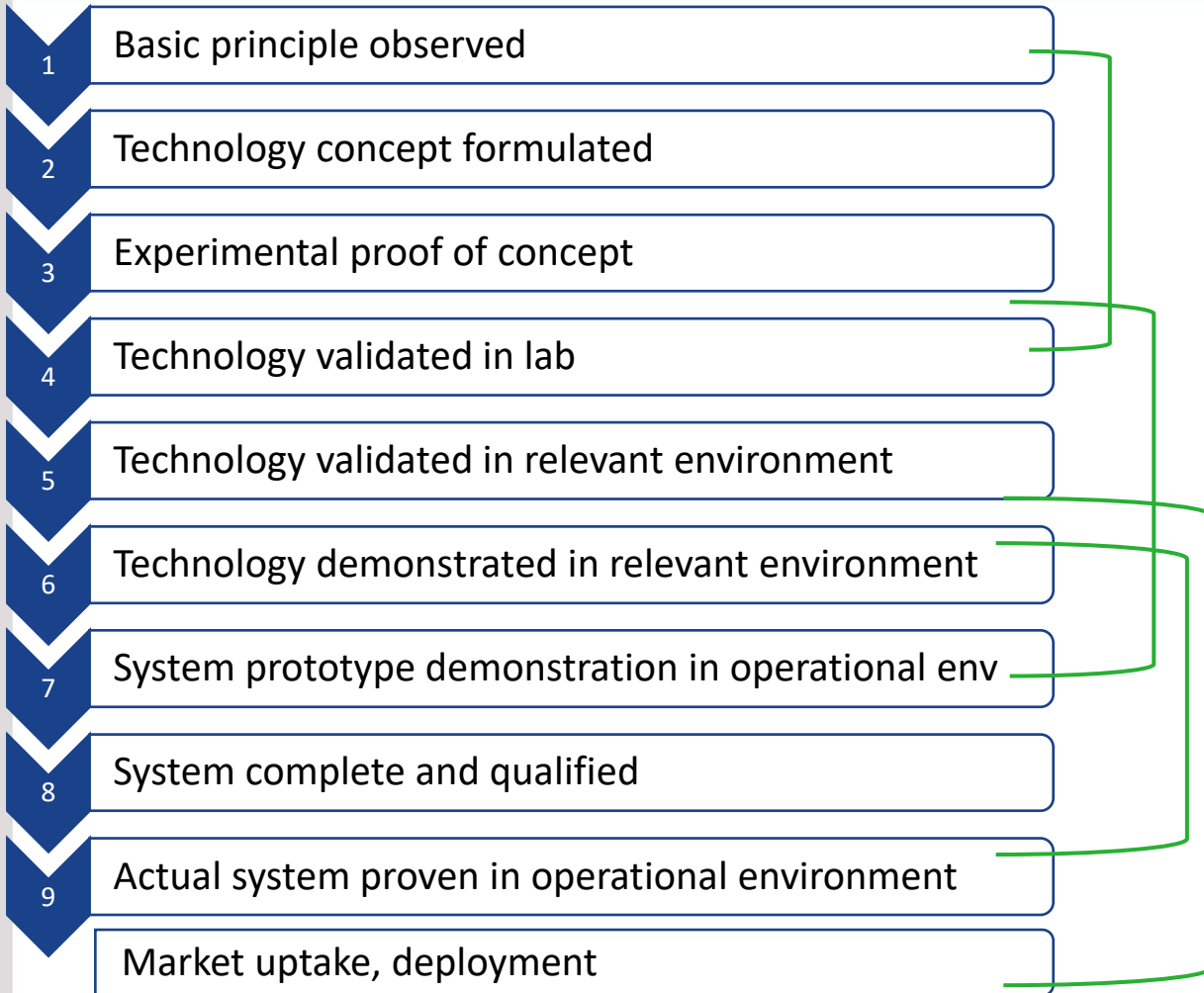
Transition

- **Technology maturation** from proof of concept to validation
- **Business & market readiness**
- Grants up to €2.5 million

Accelerator

- **Development & scale up** of deep-tech/ disruptive innovations by startups/ SMEs
- Blended finance (grants up to €2.5 million; equity investment up to €15 million)
- Successor of SME instrument

- Mission to **identify, develop and deploy high risk innovations** of all kinds
- Focus on **breakthrough, market-creating, deep-tech**
- Steered by **EIC Board** of leading innovators (entrepreneurs, investors, researchers, ecosystem)
- **Business Acceleration Services** (coaches/ mentors, corporates, investors, ecosystem)
- **Pro-active management** (roadmaps, reviews, re-orientations, etc) with EIC Programme Managers
- **Follow up funding for results from Horizon** (ERC, EIT, collaborative) & national programmes



EIC Pathfinder
(Open and Challenges)

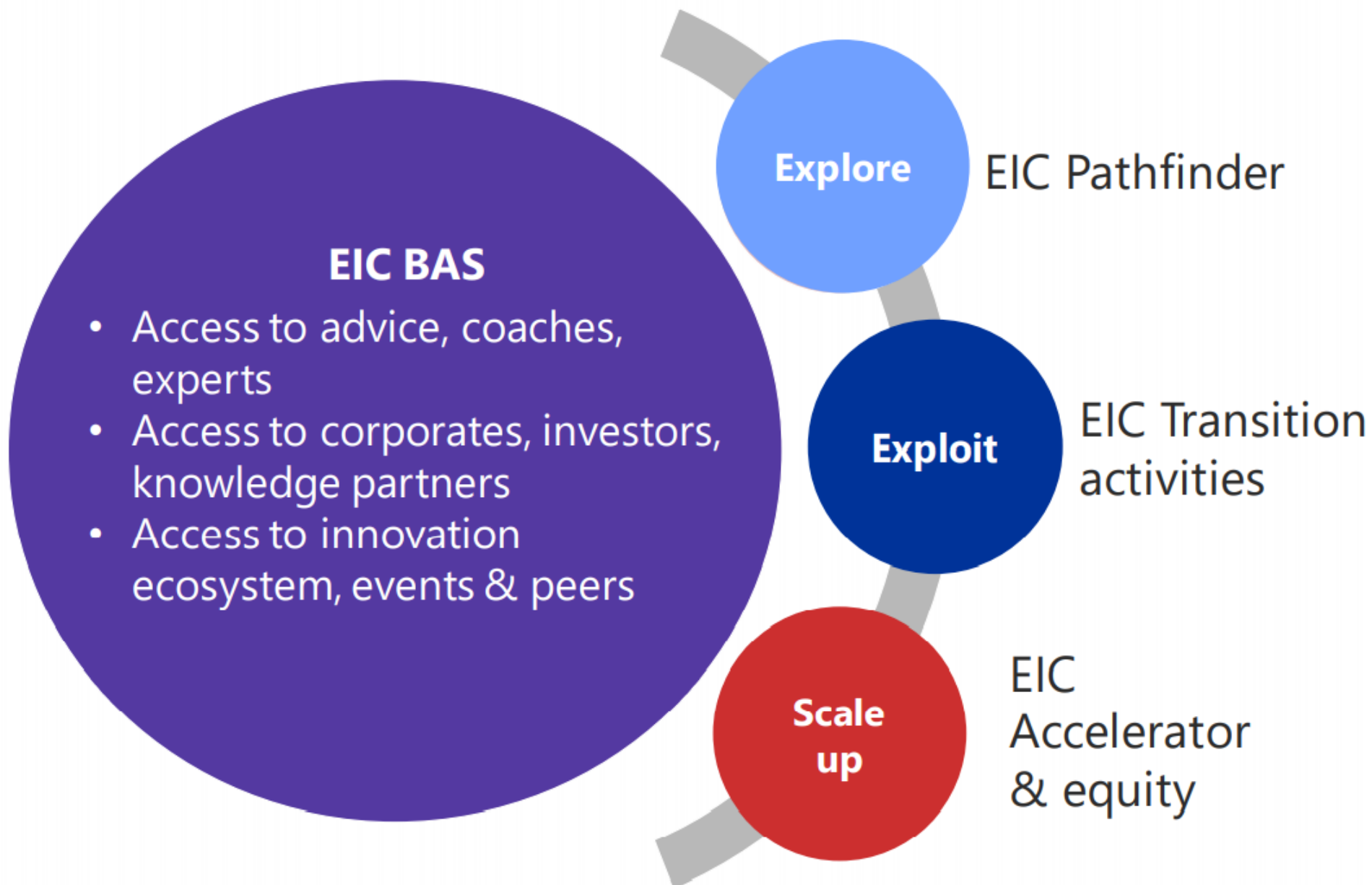
EIC Transition
(Open and Challenges)

EIC Accelerator
(Open and
Challeges) (Grant)

EIC Accelerator
(Equity)

The EIC Instruments

Business Acceleration Services





EIC Pathfinder

Within EIC, the spirit of FET remains the same



<https://webcast.ec.europa.eu/the-fet-spirit-revisited-recording>



[Interview with Silvestro Micera - YouTube](#)

EIC Pathfinder for Advanced Research

- ❏ *Grants* to *high-risk cutting-edge projects* exploring new territories, developing radical innovative technologies of the future and new market opportunities.
- ❏ The Pathfinder will initially support the *earliest stages of scientific and technological research and development*, including proof of concept and prototypes for technology validation.
- ❏ The Pathfinder will be open to *all types of innovators*, from individuals to universities, research organisations and companies, in particular startups and SMEs, and from single beneficiaries to multi-disciplinary consortia



Mono- beneficiaries schemes in EIC Pathfinder Challenges



Funding schemes

- **EIC Pathfinder Open**



bottom-up approach with
no predefined topics

- **EIC Pathfinder Challenges**



top-down challenge-driven calls
for tackling specific technology
breakthroughs by portfolios of
projects

EIC Pathfinder - Open

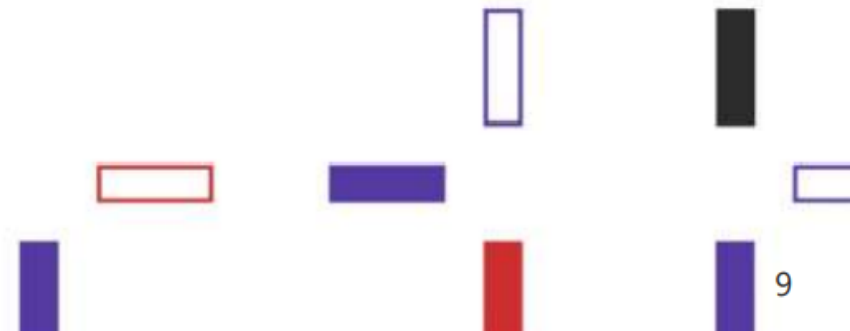
- **interdisciplinary research and development**
- **Gatekeepers:** *long-term vision; science-towards-technology breakthrough; High-risk/high-gain research approach*
- The expected outcome is **the proof of principle**.
- **multi- disciplinary collaborations** (≥ 3 partners)
- Research and Innovation Action (100% eligible costs)
- Single step submission
- 3 Millions euros + 50 K
- Open: 9 April 2021
- Deadline: 19 May 2021



Why should you apply?

You apply for an EIC Pathfinder Open grant:

- for support to realise **an ambitious vision for radically new technology**, with **potential to create new markets** and/or to **address global challenges**.
- for **early stage development** of such future technologies (e.g. various activities at low Technology Readiness Levels 1-4),
- to provide the **foundations of the technology** you are envisioning.



EIC Pathfinder Gatekeepers

Collaborative, interdisciplinary research, meeting the following Gatekeepers:

- ❏ **convincing, long-term vision of a radically new technology** that has the potential to have a transformative positive effect to our economy and society;
- ❏ **concrete, novel and ambitious science-towards-technology** breakthrough, providing advancement towards the envisioned technology;
- ❏ **high-risk & high-gain research approach & methodology**, with concrete and plausible objectives.

An example of an EIC Pilot funded project – NanoSmell



- ❏ Despite years of promise, an odor-emitting component in devices such as televisions, phones, computers and more has yet to be developed. Two major obstacles in the way of such development are poor understanding of the **olfactory code** (the link between odorant structure, neural activity, and odor perception), and technical inability to emit odors in a reversible manner (**controlled odor emission**).

Deep-tech paradigms? Interdisciplinary and risky research?
Innovation potential and Disruptive Markets? Opportunities to spinouts?

EIC Pathfinder impacts – «Deep Tech Europe»

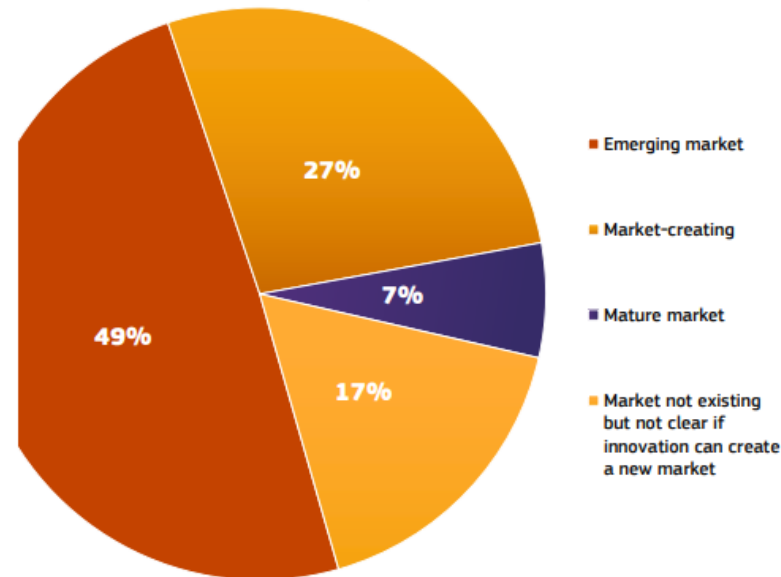
3702 scientific publications
2662 peer-reviewed publications
 72% in high profile journals

46 patents applications
 14 awarded
590 Innovations
 451 addressing new and emerging markets

The matrix below presents the mix between Main Applications and Main Technologies.

Technologies	Applications				
	Health	Digital	Energy & Environment	Food & Agriculture	Manufacturing & Infrastructure
Biotechnology & Bioengineering	95	3	3	5	4
Engineering	0	6	3	0	11
Data	7	23	2	0	1
Materials	23	69	41	2	38

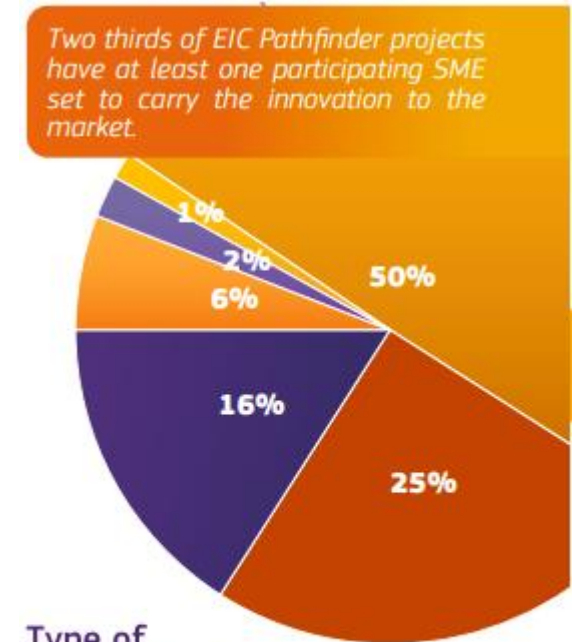
Types of markets targeted by Pathfinder Innovations



Two thirds of EIC Pathfinder projects have at least one participating SME set to carry the innovation to the market.

Type of EIC Pathfinder participants

Academia
 SMEs
 Other public bodies
 Research Organisations
 Other Companies
 Other





EIC Pathfinder Open Evaluation Criteria and Submission Process

EIC Pathfinder Open - Evaluation Criteria

Excellence

Threshold: 4/5, Weight: 60%

(Long-term vision; Science-towards-technology breakthrough; Objectives; Interdisciplinarity)

Impact

Threshold: 3.5/5, Weight: 20%

(Innovation potential; Communication and Dissemination)

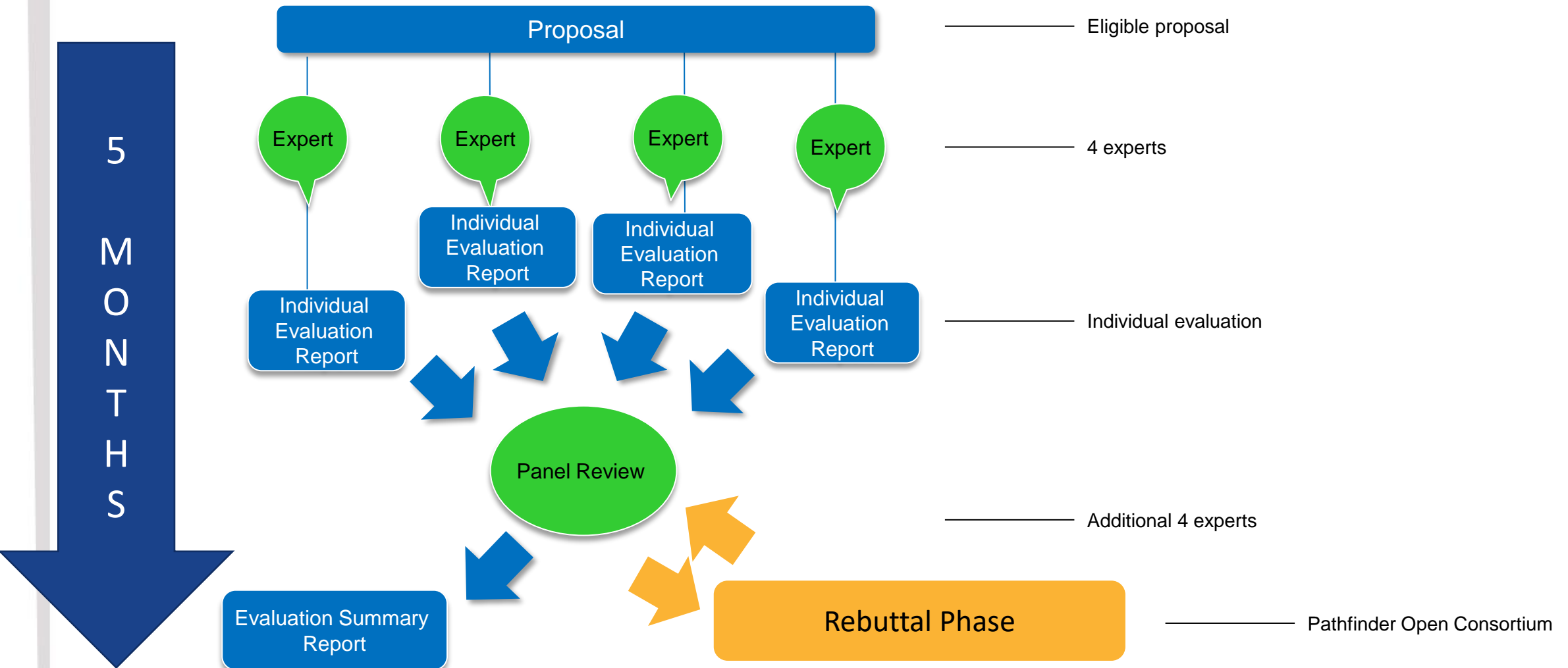
Quality and efficiency of the implementation


Threshold: 3/5, Weight: 20%

(Quality of the consortium; Work plan; Allocation of resources)



EIC Pathfinder Open- Evaluation Process





EIC Pathfinder Open Proposal Template

EIC Pathfinder Open - Proposal Template

Part A – Administrative Form

Following standard rules

Part B – Proposal Description

*The sections 1, 2 and 3, together,
should not be longer than **17 pages***

STANDARD MODULAR EXTENSION OF PROPOSAL TEMPLATE

1. CLINICAL TRIALS
2. CALLS FLAGGED AS SECURITY SENSITIVE

Horizon Europe Programme
Standard Proposal Template:
HORIZON-EIC-2021-PATHFINDEROPEN-01

Application forms (Part A)
Project proposal – Technical description (Part B)

Version 1.0
18 March 2021

https://eic.ec.europa.eu/system/files/2021-03/af_horizon-eic-2021-pathfinderopen-01_03_en_0.pdf

New features in HE proposals

NEW FIELDS IN PART A

- ❏ Researchers table – needed to follow up researchers careers (HE indicator)
- ❏ Role participating
- ❏ Self-declaration on gender equality plan

FIELDS MOVED FROM PART B TO PART A

- ❏ Ethics self-assessment
- ❏ Security questionnaire (NEW in all HE proposals)
- ❏ Information on participants' previous activities related to the call

NEW IN PART B

- ❏ Glossary of terms
- ❏ Consistency on the use of terminology is ensured in all project phases (from WP to proposal and reporting)
- ❏ Extensive explanations on what exactly should be included in each section

EIC Pathfinder Open - Keywords

Part A – Administrative Form

Organisation data

The section shows the administrative data of the participating organisation as re European Commission, linked to the given PIC number. Data in blue is read-only, on how to modify this information, please visit the [online manual](#) on the participant

PIC	Legal name
Short name	
Address of the organisation	
Street	
Town	
Postcode	
Country	
Webpage	

1 – General information

Section 1 provides basic data on the proposal. It can be filled in by contacts of the coordinator. Other participants may view this section only. Read-only parts are marked in blue.

Topic	Type of action
Call	Type of Model Grant Agreement
Acronym	Acronym is mandatory
Proposal title	Max 200 characters (with spaces). Must be understandable for non-specialists in your field. <small>Note that for technical reasons, the following characters are not accepted in the Proposal Title and will be removed: < > " &</small>
Duration in months	Estimated duration of the project in full months.
Fixed keywords	<small>Note that for this call, applicants have to select minimum 3 and maximum 5 fixed keywords.</small>
Free keywords	Enter any words you think give extra detail of the scope of your proposal (max 200 characters with spaces).

EIC Pathfinder Open: Excellence

- ✧ **1.1 Long-term vision:** How convincing is the **vision of a radically new technology** that has the potential to have a transformative positive effect to our economy and society?
- ✧ **1.2 Science-towards-technology breakthrough:** How **concrete, novel and ambitious** is the proposed science-towards-technology breakthrough with respect to the state-of-the-art? What advancement does it provide towards realising the envisioned technology?
- ✧ **1.3 Objectives:** How **concrete and plausible** are the proposed objectives? To what extent are high-risk/high-gain research approach and methodology appropriate for achieving them?
- ✧ **1.4 Interdisciplinarity:** How relevant is the **interdisciplinary approach** from traditionally distant disciplines for achieving the proposed breakthrough?

EIC Pathfinder Open: Impact

- ✧ **2.1 Innovation potential:** How adequate are the proposed measures for **protection of results** and any other **exploitation measures** to facilitate future translation of research results into innovations with societal or economic impact? How suitable are the proposed measures for **empowering key actors** that have the potential to take the lead in translating research into innovations?
- ✧ **2.2 Communication and Dissemination:** How convincing and wide reaching are the proposed measures and **plans for public/stakeholder engagement** and for **raising awareness** about the project outcomes, including through Open Science, with respect **to their potential to establish new markets** and/or address global challenges?

EIC Pathfinder Open: Implementation

- ✚ **3.1 Quality of the consortium:** To what extent do the consortium members have all the necessary **high quality expertise** for performing the project tasks?
- ✚ **3.2 Work plan:** How coherent and effective are the work plan (work packages, tasks, deliverables, milestones, time-line, etc.) and risk mitigation measures in order to achieve the project objectives?
Allocation of resources: How appropriate and effective is the allocation of resources (person-months and equipment) to tasks and consortium members?





The EIC Pathfinder Challenges

An objective-driven approach

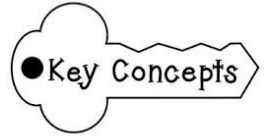


EIC Pathfinder - Challenges

- develop key strategic objectives calling for **deep-tech and radical thinking**
- **Strengthen an innovation community** or overcome market or regulatory barriers
- **multi-disciplinary collaborations** (from 2 to 5 partners) and **mono-beneficiaries**
- Portfolios' Proactive Mng by PMs
- Research and Innovation Action (100% eligible costs)
- Single step submission
- 4 Millions euros + 50 K
- Opening: 15 June 2021
- Deadline: 27 Oct 2021



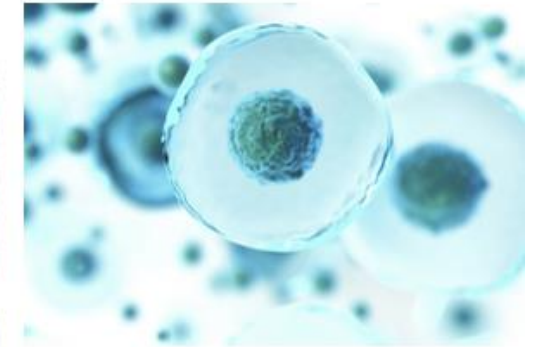
EIC Portfolios



- Regrouping of selected projects into *thematic or objective driven portfolios* will allow establishing critical mass of efforts and structuring new multidisciplinary research communities.
- These portfolios of selected projects will be further developed and enhanced, each along a *vision developed with their innovators*, but also shared with the research and innovation community at large.
- Under EIC Transition activities will be implemented to help innovators develop the different pathway to support the portfolios: for example by *enabling collaboration* within the portfolio and developing its *multidisciplinary community*.

EIC Pathfinder Challenges

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



EIC PATHFINDER CHALLENGES 1/2

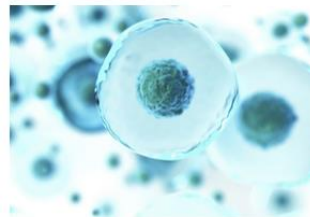


- Awareness inside:** to develop new concepts of awareness that are applicable to systems other than human; to demonstrate and validate the role and added-value of such an awareness in an aware technology, class of artefacts or services; and to define an integrative approach for awareness engineering, its technological toolbox, the needs and implications and its limits, including ethical and regulatory requirements.



Tools to measure & stimulate activity in brain tissue: to develop novel neurotechnologies to diagnose or treat brain, spinal cord or peripheral nerve-related disorders and which can be rapidly accepted by clinicians and patients.

- Emerging Technologies in Cell & Gene Therapy:** For breakthrough projects that propose novel concept-based technological solutions or technological platforms far beyond the current state-of-the-art with aim to tackling current bottlenecks from discovery to the manufacturing step towards clinical grade and thus, reinforce critical components of the European cell and gene therapy innovation-driven community.





EIC PATHFINDER CHALLENGES 2/2



- 🔧 **Novel routes to green hydrogen production:** For projects to develop novel processes and technologies to produce Green H_2 , at different scales (from small to large) and with higher flexibility, entirely based on renewable sources and on the use of toxic free, non-critical raw materials.
- 🔧 **Engineered living material:** For projects to develop new technologies and platforms for the controlled and made-on-demand production of engineered living materials with multiple functionalities, shapes and scales.



EIC Pathfinder identified Challenges

Sources for ideas for potential topics include:

- ✓ Horizon scanning exercise: e.g., PREFET or OBSERVE (CSAS) ;
Report [100 Radical Innovation Breakthroughs for the future](#)
- ✓ FET Open scanning exercise: as an excellent “reservoir” for identifying potential future topics
- ✓ Stakeholders’ consultation: e.g. Stakeholders Workshop on Pathfinder
- ✓ Existing portfolio of projects: surveys to FET Proactive and Open Coordinators on Emerging Trends and Opportunities in Innovation Development
- ✓ Inputs from the EIC Programme Managers
- ✓ Literature, analysis of funding, etc.

Identifying technology areas where the EU has the potential or the strategic need to develop technology global leadership or signals on major technological breakthroughs



EIC Pathfinder Challenge - Evaluation Criteria

Excellence - Threshold: 4/5, Weight: 60%

(Relevance to the Challenge; Novelty;
Plausibility of methodology)

Impact - Threshold: 3.5/5, Weight: 20%

(Potential Impact; Innovation Potential;
Communication and Dissemination)

Quality and efficiency of the implementation

Threshold: 3/5, Weight: 20%

(Quality of the applicant/consortium; Work plan;
Allocation of resources)

Proposal Template*

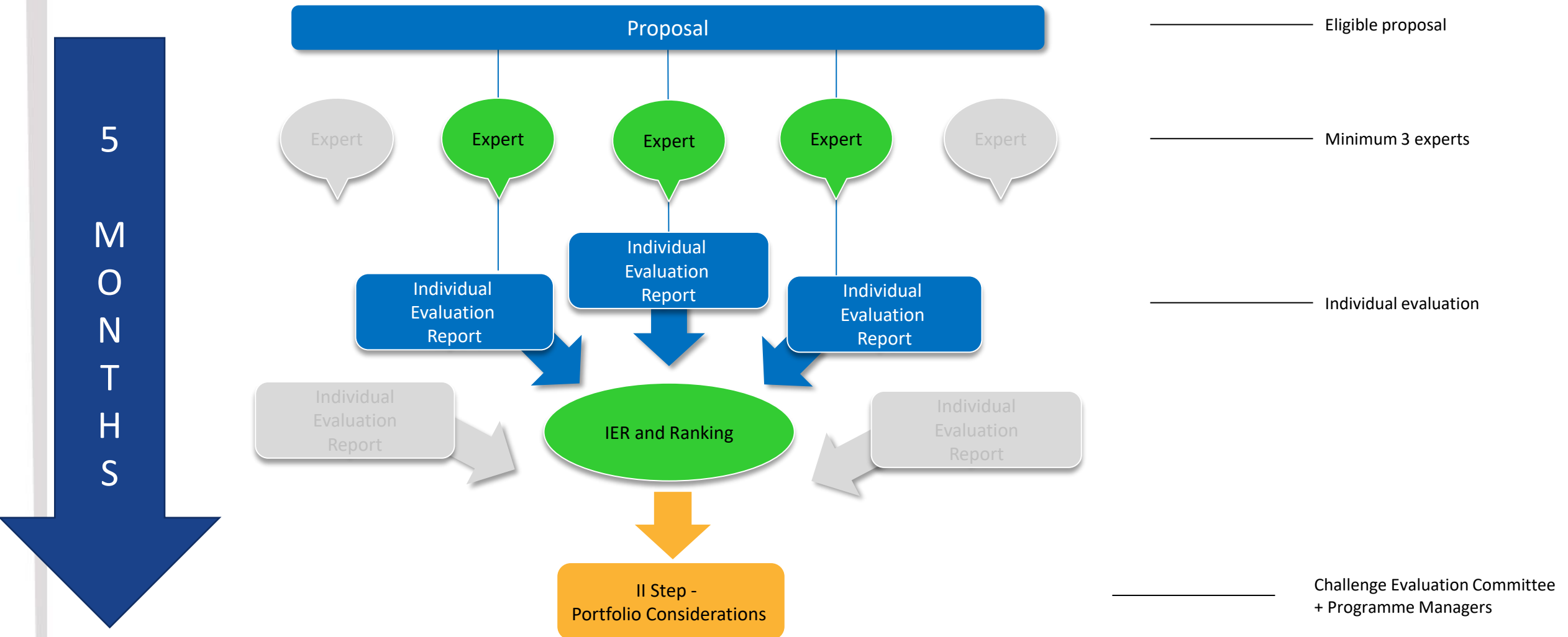
25 Pages

Single Step submission

Research and Innovation Actions

*** Note: Challenge Guidance
available June 15th, 2021**

EIC Pathfinder Challenges - Evaluation Process




Calls 2021 – Summary table for all funding opportunities

	Pathfinder Open	Pathfinder Challenges	Ad hoc grant
Total budget	€168 million	€132 million	Max. 1% of Pathfinder call budget
Proposals (indicative)	Up to €3 Mio	Up to €4 million	Up to €50000
Funding rate	100% of eligible costs	100% of eligible costs	100% of eligible costs
Opening	8 April 2021	15 June 2021	-
Deadline	19 May 2021	27 October 2021 at 17.00 CET	Not applicable
Length of proposal	17-page proposal – Section 1 to 3	25-page proposal	Not applicable
Applicants	Consortia: Min. 3 partners from 3 different MS/AC (of which at least 1 partner in a MS)	1. Single legal entities in a MS/AC (conditions apply) 2. Consortia: - If 2 partners: from different MS/AC, otherwise - Min. 3 partners from 3 different MS/AC (of which at least 1 partner in a MS) (unless differently stated in the Challenge chapter)	No specific requirement: either an individual grant holder or a group of grant holders.

EIC Pathfinder Sources

EIC Community [link](#)


**European Innovation Council**
Community

Member access

EUROPA > EIC Community > Home

Home Stories Events About

22 March 2021




World Water Day: Discover how EIC-funded companies are valuing water

To understand how the EIC-funded innovators are working to value water, we share, in this article, three pioneering projects that provide solutions to address the global water crisis. | [Read more](#)

[Read more stories >](#)

World Water Day: Discover how EIC-funded companies are valuing water


✚ The EIC created a new Story | 4 hours ago





It is expected that water will be a central natural resource in the coming years, being used as an energy generator and a source of general prosperity and well-being. However, at the same time, the global water systems are being threatened by various factors, such as great water demand for agriculture and industry, massive pollution, a growing population and the concerning climate change consequences. This year's World Water Day, celebrated on the 22nd March, raises an important question: "What does water mean to you?", framed within the theme of valuing water. To understand how the EIC-funded innovators are working to value water, we share, in this article, three pioneering projects that provide solutions to address the global water crisis.


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Upcoming Events


**EIC Investor Day on ICT**
📅 23 March 2021, 6:00 to 24 March 2021, 17:00


**EIC Community Training**
Developing the right funding strategy
📅 26 March 2021, 6:00 to 17:00


**8th edition of the EIC Innovation Training Workshop**
📅 15 April 2021, 6:00 to 17 April 2021, 17:00


new
 Overseas Trade Fairs programme


new
 SHG neutrality programme


new
 EIC Scalator


 Coaching

 EIC Community

 Early stage programme




 Corporate partnership programme

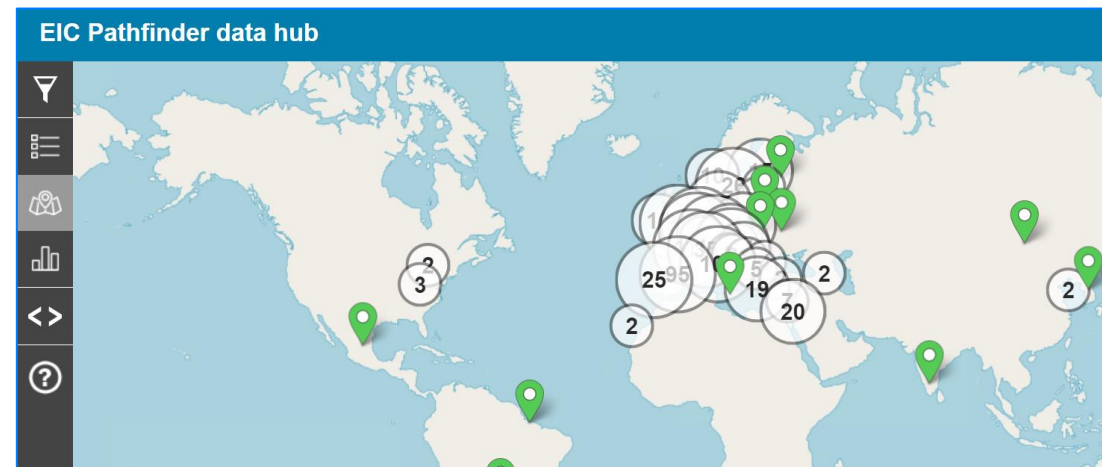
 Procurement partnership programme

 Investor partnership programme



EIC Pathfinder Sources

- 
[EIC Community](#) [link](#)
- 
[EIC Pathfinder Data Hub](#) [link](#)
- 
[Innovation Radar](#) [link](#)



The screenshot displays the 'Discover Great EU-funded Innovations' website. The header includes navigation links: Home, Explore, Innovation Radar Prize, and About. There are also social media icons for Twitter and LinkedIn, and a button for 'Innovator's login'. The main heading is 'The EU Innovation Radar Platform', followed by a search bar with the placeholder text 'What are you looking for today?'. Below this, a section titled 'Looking for inspiration? Explore by maturity levels ...' presents four categories in white boxes with purple icons:

- Exploring** (Icon: Diamond)

Innovations actively exploring value creation opportunities.
- Tech Ready** (Icon: Paper plane)

Progressing on technology development process (e.g. pilots, prototypes, demonstration)
- Business Ready** (Icon: Briefcase)

Putting concrete market-oriented ideas together (e.g. market studies, business plans, end-user engagement)
- Market Ready** (Icon: Rocket)

Outperforming in innovation management and innovation readiness. Considered 'Ready for market'

EIC Pathfinder Sources

- 🔗 EIC Community [link](#)
- 🔗 EIC Pathfinder Data Hub [link](#)
- 🔗 Innovation Radar [link](#)
- 🔗 Deep Tech Europe Report [link](#)
- 🔗 Proactive Mng – Report [link](#)



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- 🚩 EIC Pathfinder Data Hub [link](#)
- 🚩 Innovation Radar [link](#)
- 🚩 Deep Tech Europe Report [link](#)
- 🚩 Proactive Mng – Report [link](#)
- 🚩 A2EIC NCP Network [link](#)



Access2EIC

National Contact Points for Innovation

[HOME](#)
[PROJECT](#)
[EIC](#)
[INNOVATION IN SMES](#)

A2EIC Tools

DOWNLOAD

Download

46

File Size

952.83 KB

File Count

1

Create Date

22 October 2020

Last Updated

22 October 2020

A2EIC Tools

The toolbox developed by the Access2EIC project focused on businesses coming out from research in order to help them to frame better their way to market. The deliverable first explain the co-creation process launch within the FET community and then present the logic and the instructions to work with the three tools developed as part of this toolset:

- The "Business Glossary" that defines the key business concepts in a number of dimensions (based on the Business Model Canvas frame) according to the different matureness levels of a business.
- The "TB.map tool" that helps to map the competitive landscape in terms of TRL (technology readiness level) and BRL (Business readiness level)
- The "Bsize tool" that helps to estimate the potential size of a business opportunity in a given market.



EIC Pathfinder Sources

- 🚩 EIC Community [link](#)
- 🚩 EIC Pathfinder Data Hub [link](#)
- 🚩 Innovation Radar [link](#)
- 🚩 Deep Tech Europe Report [link](#)
- 🚩 Proactive Mng – Report [link](#)
- 🚩 A2EIC NCP Network [link](#)
- 🚩 FETFX Communication & Outreach [link](#)

The screenshot shows the FETFX website with the tagline "OUR FUTURE, TODAY". The navigation bar includes links for Events, Projects, Resources, News, Contact us, and a Search function. Below the navigation bar, there are several featured articles and images:

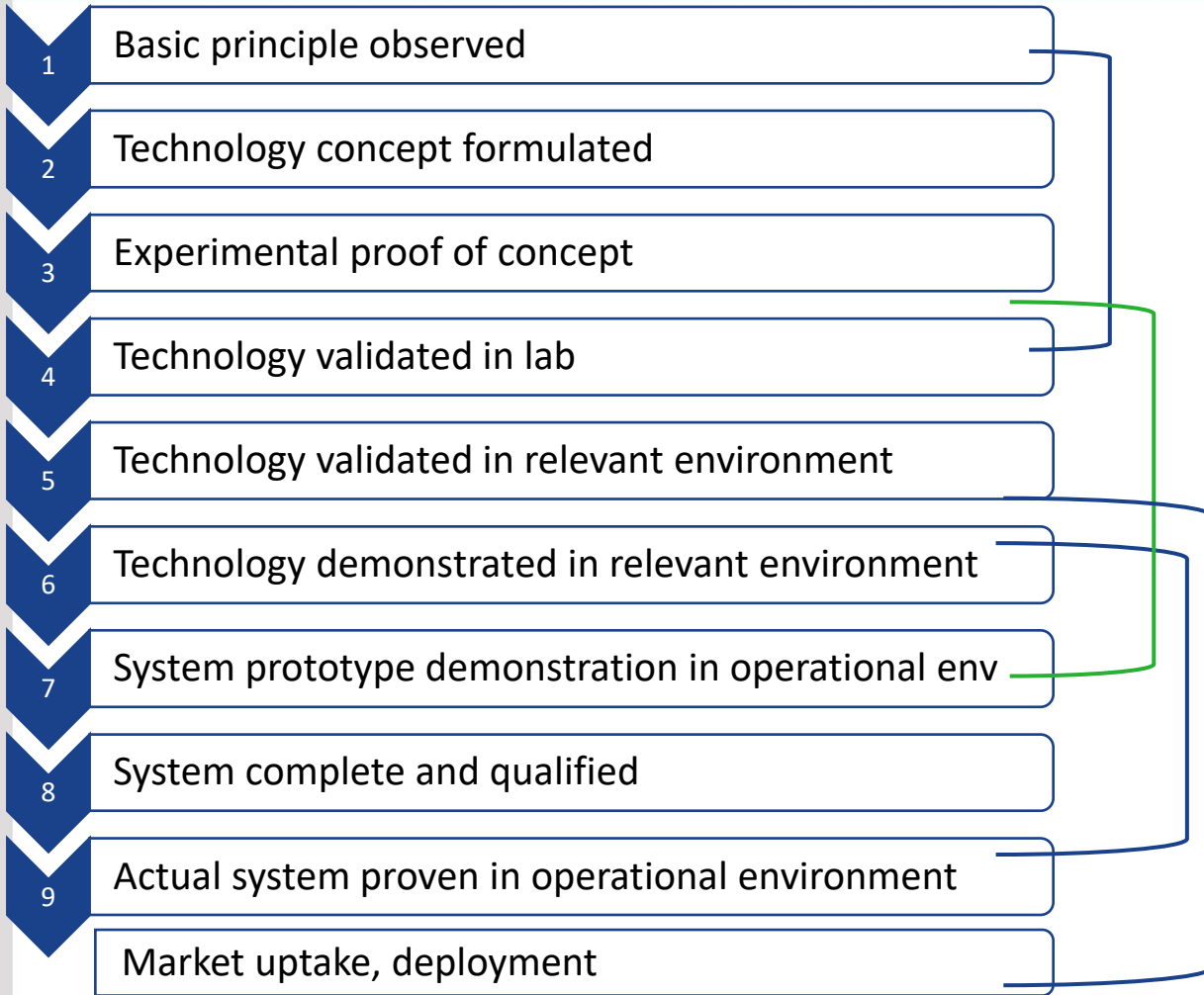
- Repairing the brain**: An image of a brain with a play button overlay.
- Brain implants to speak again**: A video thumbnail showing a person's face.
- Visions from the EIC Programme Manager: Enrique Claverol- Tinturé**: A photo of a group of colorful, stylized human figures.
- VOICES FROM THE FUTURE**: A large image of a glowing sphere with the text "30 YEARS OF BREAKTHROUGH TECHNOLOGIES IN EUROPE".
- Exploring the Unexpected. A Chat with Paolo Dario**: A large image of a robotic hand.
- Meet Enrique Claverol Tinturé, the EIC Programme Manager**: A photo of a man in a suit.

Text on the page includes: "A new booklet has just been published to celebrate the past 30 years of the Future and Emerging Technologies (FET) programme and its future as Pathfinder for Advanced Research in the European Innovation Council (EIC).", "FET People", "BIOTECH & HEALTH", "Voyage-inspired capsule in the human body: Paolo Dario, founder of The BioRobotics Institute of the Sant'Anna School of Advanced Studies in Pontedera, near Pisa, Italy.", "I would just mention one of our ideas: a piloted capsule able to explore inside the human body, almost as it was in Fantastic Voyage, the book and the film in which a submarine is reduced to very small dimensions. Then how would it be controlled with the brain? What kind of interface could be used? Or perhaps you may remember Doctor Octopus in Spider-Man, that mad scientist who has a kind of octopus on his shoulders, inserted into his nervous system. Well, can the brain control a body other than its own?", "So exploring the unexpected. And this is one of the problems facing Europe. Many times I have asked myself this: if a 23- or 24-year-old boy like Zuckerberg had come to talk to one of the many top European banks or venture capitalists, they would not have given him a euro! The real challenge for Europe is to leave the way open to those who are disruptive thinkers, to the movers and shakers. And the FET programme was all about this." and "Loredana Pianta".



EIC Transition





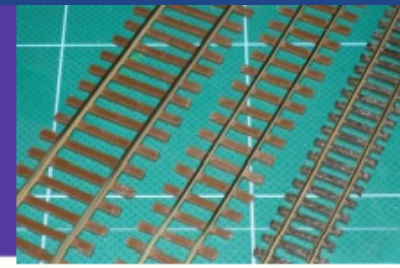
EIC Pathfinder
(Open and Challenges)

EIC Transition
(Open and Challenges)

EIC Accelerator
(Open and
Challenges) (Grant)

EIC Accelerator
(Equity)

The EIC Instruments



The different tracks in Transition to Innovation (T2I)

- **A 'Transition to Technology'** to advance research up to TRL 5/6. This involves mainly strategic technologies that need more time to mature while improving also the Market Readiness Level.
- **A 'Transition to Market'** for projects led by an SME/Start-up with an interest in the results as single partner or in a small collaboration. The goal is to mature both the technology and market readiness
- **A 'Transition to Entrepreneurship'** - Many research projects produce "side results", often with higher TRL levels, that could be relatively quickly commercialized with the right "seed financing".

Transition will be one single flexible scheme that can encompass any of the above or others that include technology and market aspects.

EIC Transition



- to *nurture potential market creating innovation* out of breakthrough technological ideas, and bring them to demonstration stage or development of business cases or strategies for further take-up by the Accelerator or any other market deployment solution.

Open

- go *beyond the experimental proof of principle in laboratory.*
- tech transfer, spinouts, licensing
- multi- or mono- beneficiary (from 2 to 5 partners)
- 2,5 Millions euros + 50 K
- 22 Sept 2021



Challenges

- *Medical technology and devices:* from lab to patient
- *Energy harvesting and storage technologies*
- Portfolios' Proactive Mng by PMs
- 2,5 Millions euros + 50 K
- 22 Sept 2021



EIC Transition eligibility conditions

- ❏ Your proposal must build on results (demonstrated proof of principle) achieved within an eligible project.



European
Research
Council

Connected to the following eligible projects

EIC Pathfinder projects(including projects funded under EIC pilot Pathfinder, FET-Open, FET-Proactive calls, FET Flagships, ERANET Cofund: RIAs and FET ILPs)

European Research Council (ERC) Proof of Concept projects

→ *Active since 12 months prior the deadline and lasting in the upcoming 24 months*

- ❏ You do not have to be the owner of the IP or one of the original beneficiaries, but have the right to use the IP or know-how generated in the initial project.

EIC Transition eligibility conditions



- ✧ A single legal entity (*'mono-beneficiary'*) if SME or research performing organisation (university, research or technology organisation).
Larger companies are not eligible to apply as a single legal entity;



- ✧ A small consortium of *minim two - maximum five independent legal entities* ('multi-beneficiary') that may for example include universities, research organisations, SMEs or larger companies, user/customer organisations or potential end-users (e.g. hospitals, utilities, industry, regulatory and standardization bodies, public authorities).

EIC Transition Challenges



Energy harvesting and storage technologies

- perform the necessary R&D to advance from an existing proof-of-principle to a mature version
- develop an exploitation strategy, outlining the proposed path to innovation and describing a business plan
- Provide clear and ambitious performance targets and progress milestones

Be focused on one or more of the following:

- combining energy harvesting and storage into integrated systems and technologies
- Propose Innovative concepts for the harvesting and/or storage of solar energy (in the form of heat or solar fuels), geothermal or waste heat
- Propose topics such as long-term and inter-seasonal energy storage, cooling and cryogenic storage, building integrated solutions, thermo-mechanical energy storage and conversion, chemical loop based solutions
- Advanced materials and devices for electro-chemical storage (other than Li-Ion batteries) with toxic-free and non-critical raw materials.

EIC Transition Challenges

▣ Medical technology and Devices from Lab to Patient

- perform the necessary R&D to advance from an existing proof-of-principle technology to a mature version ready to initiate clinical evaluation
- develop an exploitation strategy, qualitatively and quantitatively outlining the proposed path to patient and describing an investable proposition
- To evolve substantially from the “lab version”, for example being recast with electronics, software, materials, ICT system operating environments and processes compliant with the appropriate safety standards and suitable for future manufacturing with appropriate quality levels,
- to thoroughly validate safety and efficacy in a clinical setting



The evaluation process



EIC Transition Open Evaluation Criteria

Excellence - Threshold: 4/5

(Technological breakthrough, feasibility and objectives)

Impact - Threshold: 4/5

(Business and market fit; Economic and/or societal benefits; Entrepreneurship; Partnerships and investment-readiness)

Quality and efficiency of the implementation

Threshold: 3/5

(Quality of the team; Milestones and Work plan; Allocation of resources)



Evaluation criteria for Transition

- **Excellence (Threshold: 4/5)**
- **Technological breakthrough**: Does the technology have a high degree of novelty compared to other technologies available or in development; to what extent does this novelty create the potential for new applications and functionalities?
- **Technology feasibility**: Do the results of the technology demonstration and validation so far indicate the potential for application?
- **Objectives**: Have potential applications been identified and are they plausible? How appropriate are the objectives for the planned technology development and validation of the innovation in relevant application environments?



Evaluation criteria for Transition (II)

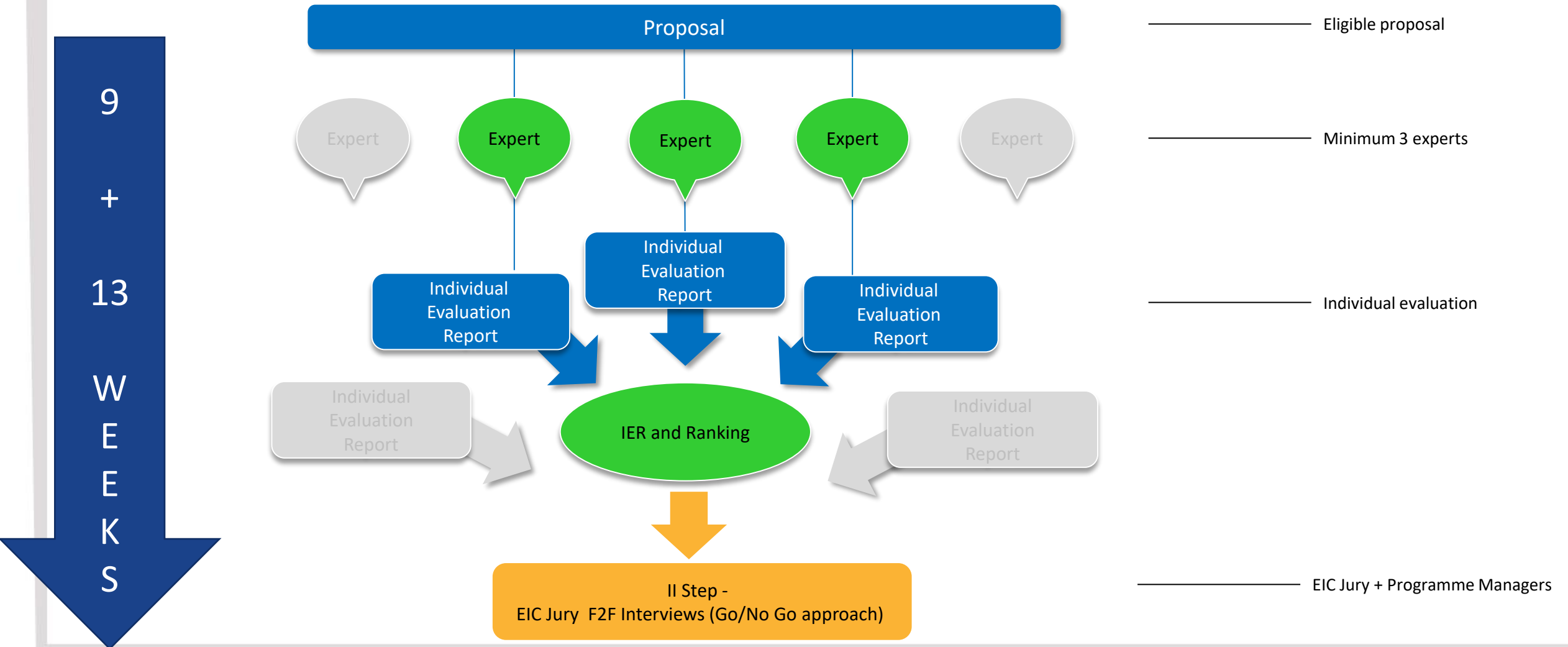
- **Impact (Threshold: 4/5)**
- **Business and market fit**: How well do the activities propose to develop the business model and product features address commercialisation and other relevant aspects (intellectual property rights, regulation, certification and standardisation)? How will potential users or customers be involved to test potential demand and acceptability?
- **Economic and/or societal benefits**: How effectively can the proposed innovation and its related activities create substantial demand and new European or global markets? To what extent is the proposed innovation expected to generate other positive impacts (employment, societal, environmental, scientific, etc.)?
- **Entrepreneurship**: how suitable are the proposed measures to build a strong and motivated entrepreneur-lead team with necessary competences in technology, product engineering, and business development to bring the innovation to the market?
- **Partnerships and investment-readiness**: How effective are the proposed measures to become investment ready and develop plans to commercialise the project outcomes (including through IP management); have the participants identified key partners willing to be involved?



Evaluation criteria for Transition (III)

- **Quality and efficiency of the implementation (Threshold 3/5)**
- **Quality of the team**: To what extent do the applicant(s) bring the necessary high-quality expertise, capabilities and motivation to move decisively towards innovation, create a unique commercial value from the emerging technology and develop an attractive business and investment proposition?
- **Milestones and Work plan**: Is the pathway towards deployment clearly described? Are milestones adequately and clearly defined (measurable, timed, etc.) to track progress along the pathway and towards objectives? How coherent and effective are the work plan (work packages, tasks, deliverables, time-line, etc.), the innovation methods and the risk mitigation methods, in order to reach the milestones and to achieve the project objectives?
- **Allocation of resources**: How appropriate and effective is the allocation of resources (person-months and equipment) to tasks and partners?

EIC Transition Open & Challenges- Evaluation Process



The Fast Track Principle



- Submit an Accelerator proposal via the Fast-Track scheme
 - No direct short application (first stage) to Accelerator
 - Project review to determine innovation and market deployment potential and decide if project is suitable for Accelerator support
 - If successful, submit directly to full application

The Seal of Excellence



- Awarded to individual SMEs that apply and meets all evaluation criteria at the first step but is not selected for funding, it provides access to Business Acceleration Services and facilitates funding from other sources

Details of the 2021 call

- ❏ Opening 15/4
- ❏ Closing 22/9 (both for Open and Challenges)
- ❏ 59,6 M Euro for Open
- ❏ 40,5 M Euro for 2 challenges (approx. equal share)

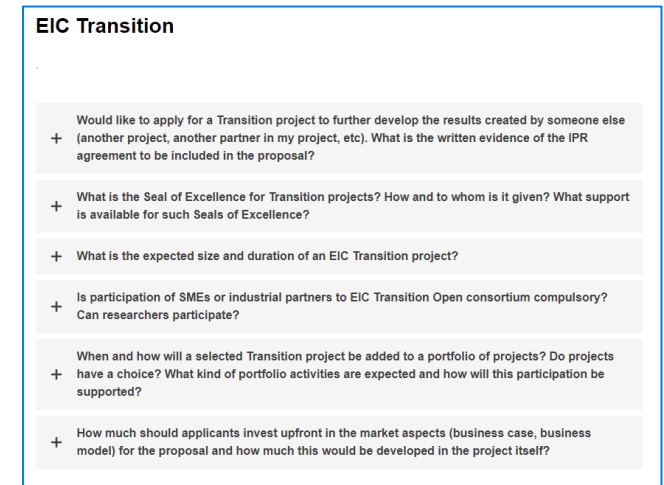
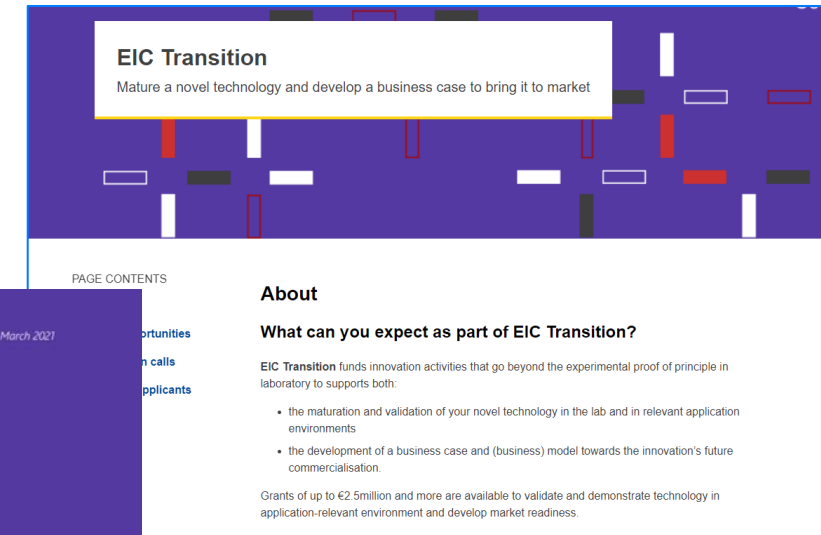
Proposal Details

- ❏ Expected 2.5 M Euro per project
- ❏ Single Step submission
- ❏ Type of Actions: Research and Innovation Actions (100% Funding Rate)
- ❏ Sections 1 to 3 of part B of your proposal must consist of a maximum of 25 A4 pages

EIC Transition Sources

🔗 EIC Transition [link](#)

🔗 EIC Transition FAQs [link](#)



EIC Transition Sources

- 🔗 EIC Transition [link](#)
- 🔗 EIC Transition FAQs [link](#)
- 🔗 EIC Applicants' Day [ppts](#) and [recording](#)

NEWS ARTICLE | 29 MARCH 2021

European Innovation Council Applicants' day - presentations are available

Details

Publication date 29 March 2021

The presentations from the European Innovation Council (EIC) Applicants' day of 19 March are now available.

The Applicants' day followed the [EIC launch ceremony](#), which took place on 18 March and represented the high-level political event celebrating the launch of the full EIC.

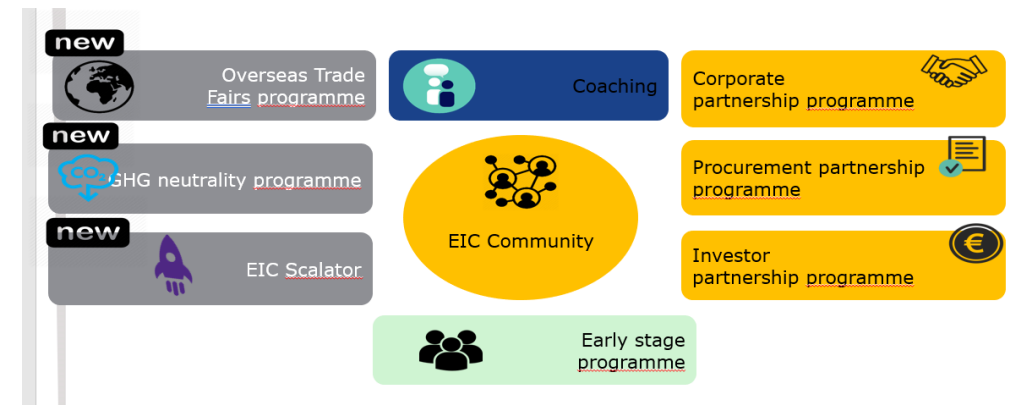
The Applicants' day provided potential applicants with information about the EIC, especially about the key novelties introduced by Horizon Europe and the upcoming calls for proposals. Dedicated sessions addressed the specificities of the various streams: EIC Pathfinder, EIC Transition and EIC Accelerator, including the EIC Fund.

If you missed it, or wish to watch it again, you can stream both the [morning session](#) and the [afternoon session](#) of the Applicants' day.

You can also download the presentations used at the Applicants' day.

EIC Transition Sources

- 🔗 EIC Transition [link](#)
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- 🔗 EIC Applicants' Day [ppts](#) and [recording](#)
- 🔗 EIC Community [link](#)



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- 🔗 EIC Community [link](#)
- 🔗 EIC Pilot Transition projects [link](#)

EIC Transition to Innovation Activities: first projects have just started



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Less than a year ago, in November 2019, the first EIC Transition to Innovation Activities Call closed the submissions, and now the very first of the selected projects are on their way to genuine technological and societal innovations.

EIC Transition Sources

- 🔗 EIC Transition [link](#)
- 🔗 EIC Transition FAQs [link](#)
- 🔗 EIC Applicants' Day [ppts](#) and [recording](#)
- 🔗 EIC Community [link](#)
- 🔗 EIC Pilot Transition projects [link](#)
- 🔗 FETFX Communication & Outreach (Proactive Mng event) [link](#)

The image shows a screenshot of the FETFX website and a poster for an event. The FETFX website has a blue header with the logo 'FETFX OUR FUTURE, TODAY' and navigation links: Events, Projects, Resources, News, Contact us, Search, AI & IT, HEALTH, SOCIETY, ENVIRONMENT, NANOTECH, and WHAT IS FET?. The main content area features several articles with images and titles: 'Repairing the brain through new technological approaches in neuroscience' (BIOTECH & HEALTH), 'Brain implants to speak again' (BIOTECH & HEALTH), 'Touching the air may be possible with new research on haptics' (ARTIFICIAL INTELLIGENCE & IT), and 'Visions from the EIC Programme Manager: Iordanis Arzimanoglou' (BIOTECH & HEALTH). There is also a large image of colorful pins and a section titled 'Visions from the EIC Programme Manager: Enrique Claverol- Tinturé' (BIOTECH & HEALTH) with a sub-header 'Meet Enrique Claverol Tinturé, the EIC Programme Manager appointed for the area dedicated to medical devices and technologies'. Below the website screenshot is a poster for 'The new European Innovation Council' event, titled 'EIC Programme Managers visions and paths under the European Innovation Council', dated '26th March 2021, 10.00 (CET)'. The poster includes the FETFX logo and the Access2EIC logo.

EIC Transition Sources

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- 🔗 FETFX Communication & Outreach (Proactive Mng event) [link](#)
- 🔗 A2EIC NCP Network (Future Transition Factsheet) [link](#)



HOME PROJECT EIC INNOVATION IN SMES

A2EIC Tools

DOWNLOAD

Download	46
File Size	952.83 KB
File Count	1
Create Date	22 October 2020
Last Updated	22 October 2020

A2EIC Tools

The toolbox developed by the Access2EIC project focused on businesses coming out from research in order to help them to frame better their way to market. The deliverable first explain the co-creation process launch within the FET community and then present the logic and the instructions to work with the three tools developed as part of this toolset:

- The "Business Glossary" that defines the key business concepts in a number of dimensions (based on the Business Model Canvas frame) according to the different maturity levels of a business.
- The "TB.map tool" that helps to map the competitive landscape in terms of TRL (technology readiness level) and BRL (Business readiness level)
- The "Bsize tool" that helps to estimate the potential size of a business opportunity in a given market.





Email: calderaro@apre.it

Tel. +39 06 48 93 9993

www.apre.it

