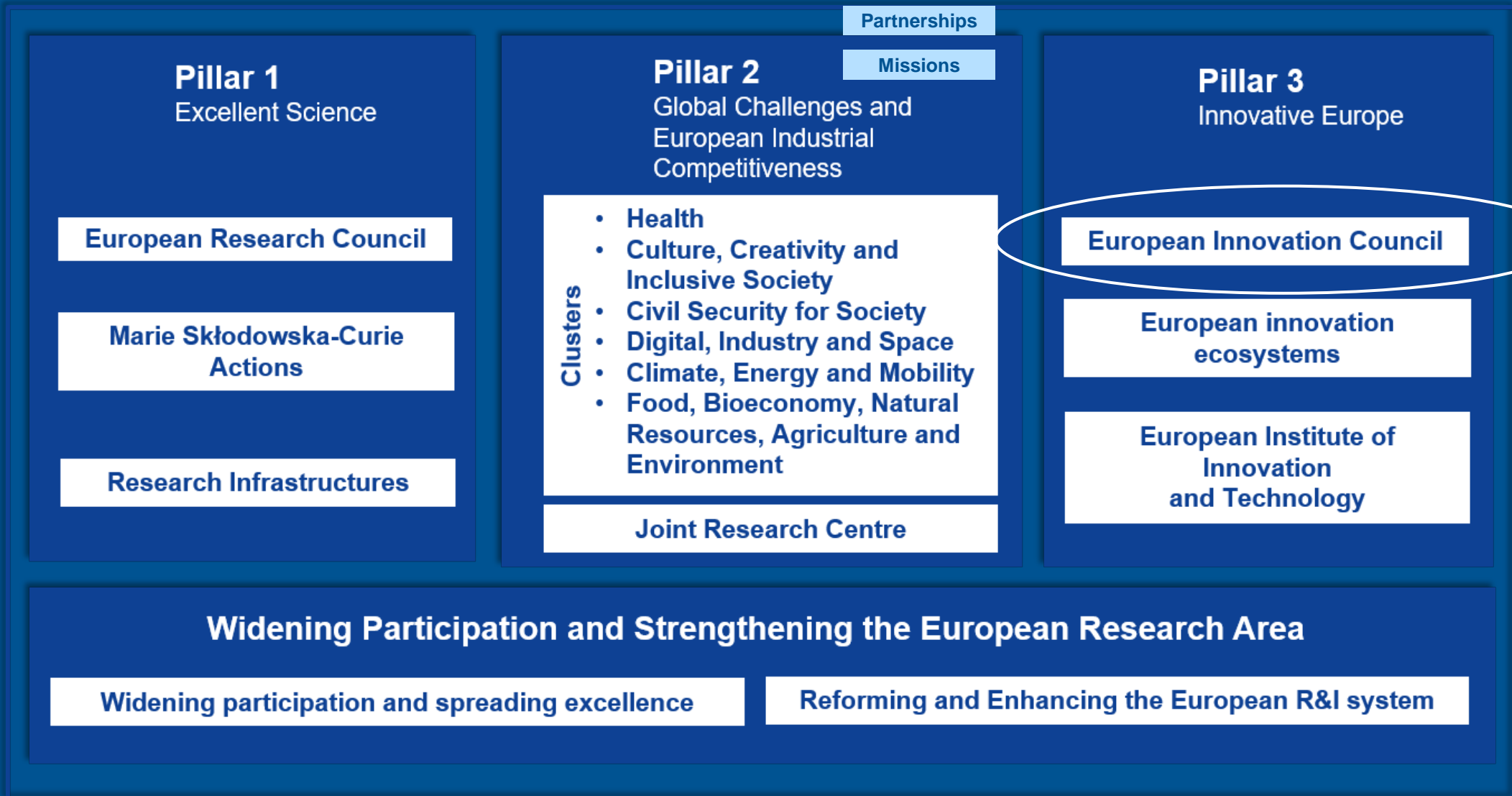


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The European Innovation Council

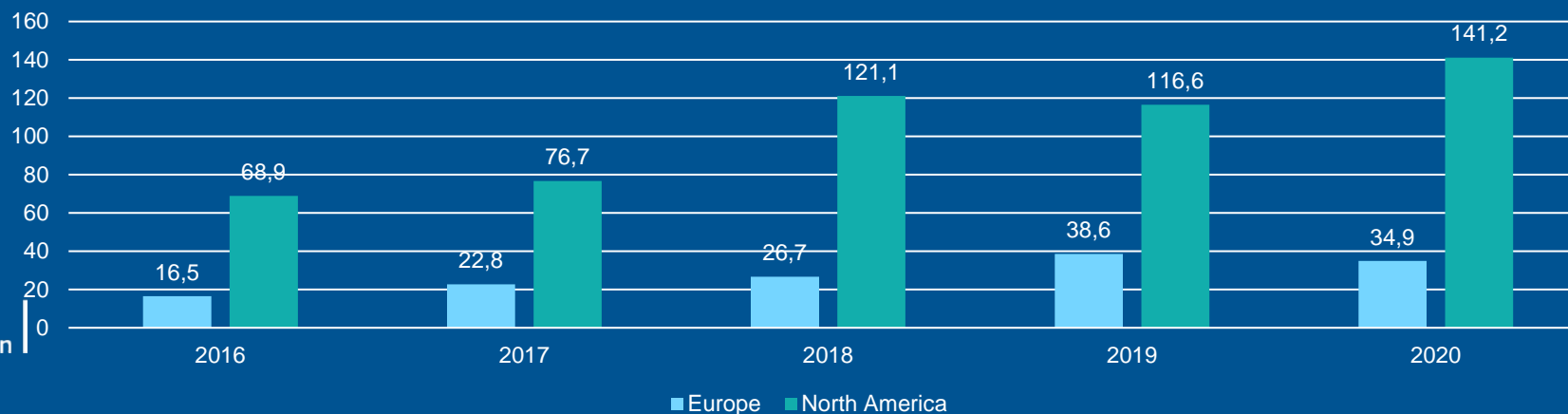
Eric Jensen,
NCP SME, Vinnova



Why do we need EIC*?

- “The EU is significantly falling behind transferring research excellence into innovations
- US venture capital investments are 4-5 times higher than EU
- The EU is home to only 8% of €1 billion start-ups
- Business R&D intensity was 1.3% in 2016 in comparison to almost 2% in the United States
- European start-ups often move to the US to tap into the resources there “

Capital invested by year (B\$)



EIC HEU

	<i>Who can apply</i>	<i>What for</i>
<i>Pathfinder</i>	Consortia (e.g. research organisations, universities, SMEs, industry) involving at least 3 different countries	Validate the scientific basis of breakthrough technology (<i>TRL 1-4</i>)
<i>Transition</i>	Single applicants (SMEs, spin-offs, start-ups, research organisations, universities) or small consortia (max 5 partners).	TRL 4-6 and market readiness
<i>Accelerator</i>	Single SMEs*	Blended finance TRL 5/6-9 and commercialization

What is the EIC Pathfinder?

The EIC Pathfinder programme funds **research**
to **develop the scientific basis** to underpin
breakthrough technologies

Pathfinder Open HEU



Validate scientific basis of radically new technologies, TRL1-4



Top level scientific publications & IP protection



Collaborative (between universities, research, SMEs, corporates), 3 parts & countries



Grant of up to €3 million* with funding rate of 100%



Additional grant of up to €50 000 to explore pathways to commercialization

Pathfinder strategic challenges HEU



Specified topics in new or emerging technology areas



Topic in (1) Digital, (2) Health and Biotech and (3) Energy and Environment



Collaborative research or mono beneficiary, € 4M 100%



Project interaction activities

Pathfinder challenges 2021

- Call opening: 15 june 2021
- Deadline: 27 october 2021 at 17:00
- Budget: 132 MEUR

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

Pathfinder
Challenge
guide

Success factors



- “68% of successful proposals have included a SME in the consortium. The average grant per project is approximately € 3.3 M and the average duration is three and a half years.
- Many successful FET Proactive projects consist of consortia of 7-10 beneficiaries, of which 1-2 are usually high-tech SMEs.
- Visit the FET Open Data hub to learn about winning FET/EIC projects or check out the “Funded project list” usually on call topic pages on the Funding and Tenders portal”

Swedish participation to the EIC pilot - Pathfinder

➤ Under the EIC Pathfinder pilot:

- ✓ They took part of 85 out of all 549 funded projects (quote of 15.5%);
- ✓ There is a total of 99 participations from Sweden in the funded projects, with 17 roles as Coordinator and 82 as Partner in the consortium;
- ✓ The success rate for the participation in the funded grants is 8.08% (average success rate: 7.98%);

EIC HEU

	<i>Who can apply</i>	<i>What for</i>
<i>Pathfinder</i>	Consortia (e.g. research organisations, universities, SMEs, industry) involving at least 3 different countries	Validate the scientific basis of breakthrough technology (<i>TRL 1-4</i>)
<i>Transition</i>	Single applicants (SMEs, spin-offs, start-ups, research organisations, universities) or small consortia (max 5 partners).	TRL 4-6 and market readiness
<i>Accelerator</i>	Single SMEs*	Blended finance TRL 5-9 and commercialization

EIC Transition HEU



Develop innovations from Pathfinder & ERC Proof of Concept



Increase TRL to viable demonstrators of the technology (TRL 4 to 5/6)



Open to single entities (SMEs, universities, spinouts) or small consortia (max 5 partners)



Grants of up to €2.5 million, 100%



Transition challenges

Strategic EIC Transition Challenges

- **Challenge: Medical Technology and Devices: from Lab to Patient:**

Proposals submitted to this call can target any technology addressing important health needs in the direct clinical treatment and care of patients.

- **Challenge: Energy harvesting and storage technologies:**

The proposals will aim at developing energy storage technologies or combined energy harvesting/storage technologies ready for investment and business development.

Call opening for open & challenges: 15 May 2021

Deadline: 22 September 2021

EIC HEU

	<i>Who can apply</i>	<i>What for</i>
<i>Pathfinder</i>	Consortia (e.g. research organisations, universities, SMEs, industry) involving at least 3 different countries	Validate the scientific basis of breakthrough technology (<i>TRL 1-4</i>)
<i>Transition</i>	Single applicants (SMEs, spin-offs, start-ups, research organisations, universities) or small consortia (max 5 partners).	TRL 4-6 and market readiness
<i>Accelerator</i>	Single SMEs*	Blended finance TRL 5-9 and commercialization

EIC Accelerator

The EIC Accelerator supports companies (principally start-ups and SMEs) to **scale up high impact** innovations

EIC Accelerator HEU

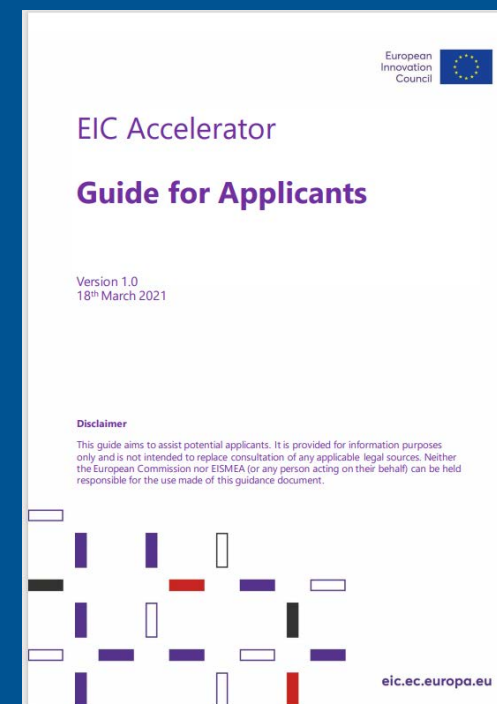
- The EIC Accelerator provides **blended finance** which is composed of:
 - A “**grant**” component up to €2.5 million, TRL5/6-8
 - An “**investment**” component €0.5 - €15 million, scaling up & other activities

EIC Accelerator challenge funding targets breakthrough innovations with major impacts on:

- Strategic Digital and Health technologies
- Green Deal innovations for the economic recovery

The cut-off dates for 2021 (for both Accelerator Open and Accelerator challenges) are:

- Wednesday 16 June, 2021
- Wednesday 6 October, 2021



eic.ec.europa.eu

EIC Accelerator – who can apply

- **Mono-beneficiary**

- **SME** (max 250 employees, not subsidiary/majority owned by large company)

- **Physical person(s)** willing to set up SME

- Exceptions for **small mid-caps** (up to 500 employees) – for TRL9 and equity

Step 1 Screening of ideas



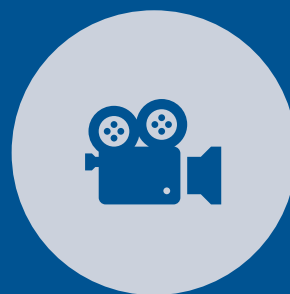
Continuously open AI tool



Five-pager with description of innovation/ idea against set of simple questions



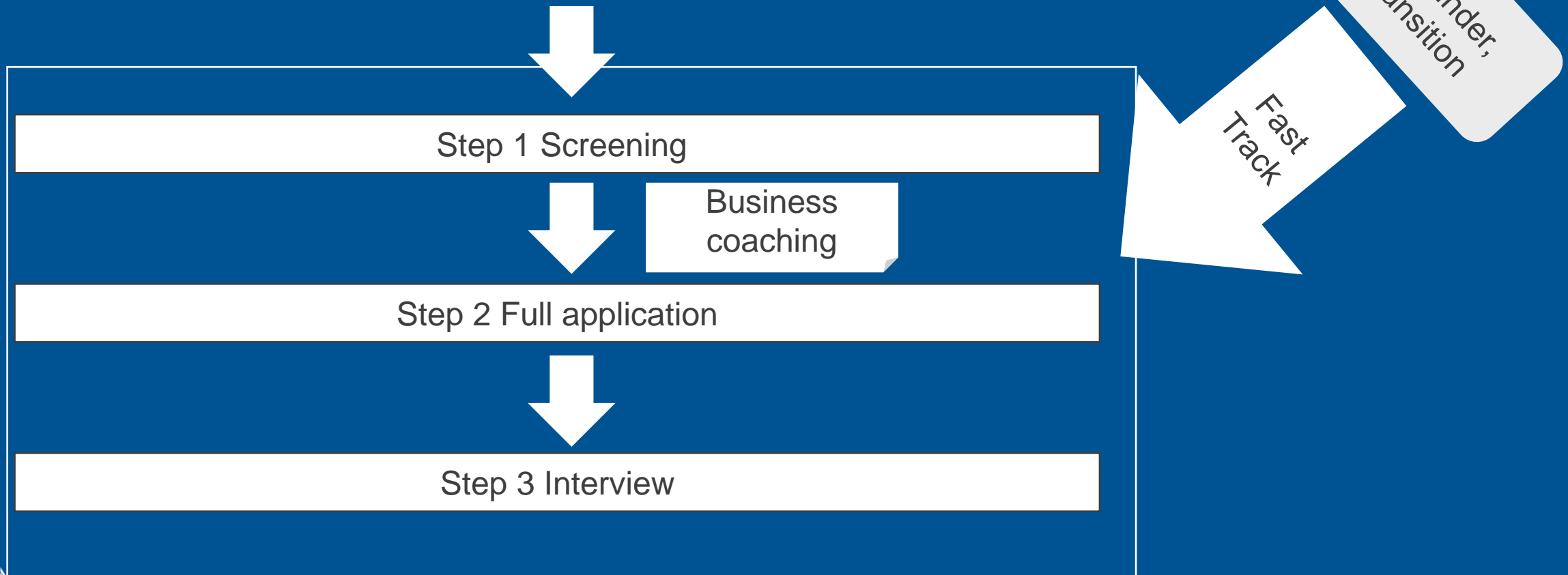
Pitch deck max 10 slides;



Video pitch max 3 minutes by innovator/ founder

EIC Accelerator evaluation

Beneficiaries: SMEs, physical persons, small mid-caps*



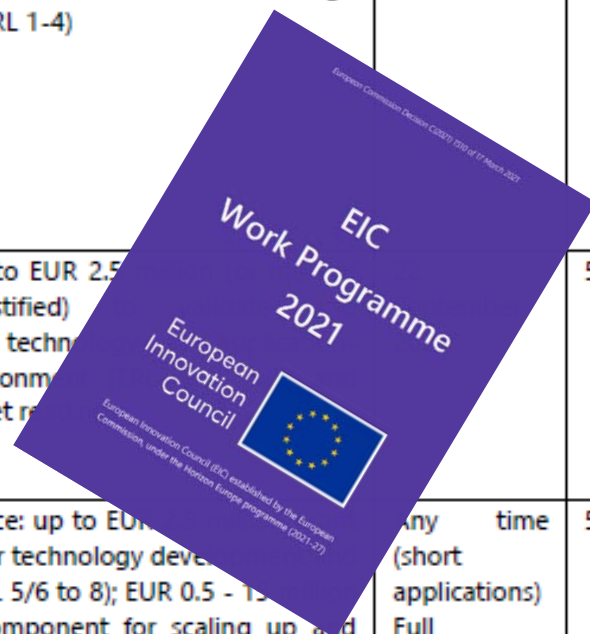
Swedish participation in the EIC Accelerator Pilot

- In terms of obtaining EIC funding over the period 2014 - mid 2020, in € per capita, **Sweden ranks fourth among Member States**, with unicorn CELLINK
- Over the 5 last EIC Accelerator calls for proposals (October 2019 – December 2020), 14 Swedish startups and SMEs were selected for a proposed funding over a total of €64.7 million, ca. 1-2% success rate
 - 8 of them were selected under the **blended finance option**, representing € 52.2 million of total proposed funding;
 - 6 were selected under the **grant-only option**, for € 12.5 million of aggregated grants.

EIC HEU

	<i>Who can apply</i>	<i>What for</i>
<i>Pathfinder</i>	Consortia (e.g. research organisations, universities, SMEs, industry) involving at least 3 different countries	Validate the scientific basis of breakthrough technology (<i>TRL 1-4</i>)
<i>Transition</i>	Single applicants (SMEs, spin-offs, start-ups, research organisations, universities) or small consortia (max 5 partners).	TRL 4-6 and market readiness
<i>Accelerator</i>	Single SMEs*	Blended finance TRL 5/6 and commercialization

			Open calls (Section II)		Challenge driven calls (Section III)		
	Who can apply	What for	Call deadline(s)	Indicative Budget (EUR million)	Challenges	Call deadline(s)	Indicative Budget(EUR million)
EIC Pathfinder	Consortia of at least three different independent legal entities (e.g. research organisations, universities, SMEs, industry) established in at least 3 different eligible countries. Single applicants or small consortia (two partners) may be able to apply for Pathfinder Challenges according to the call specifications.	Grants of up to EUR 3 million (open) or EUR 4 million (challenge driven) (or more if properly justified) to achieve the proof of principle and validate the scientific basis of breakthrough technology (TRL 1-4)	19 May 2021	168.00	<ol style="list-style-type: none"> 1. Awareness inside 2. Tools to measure & stimulate activity in brain tissue 3. Emerging Technologies in Cell & Gene Therapy 4. Novel routes to green hydrogen production 5. Engineered living materials 	27 October 2021	132.00
EIC Transition	Single applicants (SMEs, spin-offs, start-ups, research organisations, universities) or small consortia (two to 5 partners). Applications must build on results from eligible Pathfinder, FET or ERC Proof of Concept projects	Grants of up to EUR 2.5 million (properly justified) demonstrate technology relevant environment and develop market ready		59.60	<ol style="list-style-type: none"> 1. Medical devices 2. Energy harvesting and storage technologies 	22 September 2021	40.50
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 500 employees)	Blended finance: up to EUR 1 million component for technology development and validation (TRL 5/6 to 8); EUR 0.5 - 1.5 million investment component for scaling up and other activities. Grant only/grant first under certain conditions. Investment component only for small mid-caps or as follow up to grant only (i.e. for SMEs, including start-ups)	Any time (short applications) Full applications by 9 June 2021 and 6 October 2021	592.50	<ol style="list-style-type: none"> 1. Strategic Health and Digital Technologies 2. Green Deal innovations for the economic recovery 	Any time (short applications) Full applications by 9 June 2021 and 6 October 2021	495.10



EU SME Support hjälper innovativa, små och medelstora företag (SME) med internationella ambitioner att söka EU-finansiering. Kostnadsfri expertrådgivning och snabb respons.

Hej!

Dags att söka EU-finansiering? Välkommen till EU SME Support

Jag vill veta mer om
EU-finansiering!

Jag vill söka EU-finansiering,
vilken hjälp kan jag få?

**Kostnadsfri expertrådgivning för små och medelstora
företag (SME)**

Questions?