



European
Commission

European
eic INNOVATION
Council *BETA*

EMPOWERING EUROPEAN INNOVATORS

EIC Pilot 2018-2020
FET Open

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Research and
Innovation



Instrument →	SME-Instrument		FTI	FET-Open	EIC Horizon prizes
	Phase 1	Phase 2			
For whom	One or more eligible ¹ SMEs		From 3 to 5 eligible ¹ entities (mostly industrial ²)	At least 3 entities ³	One or more entities (with restrictions ¹ for some of the prizes)
Maximum funding⁴	50,000 €	2.5 M€	3 M€	Ca. 3 M€ (RIAs) 0.1 M€ (Innovation Launchpad)	Varies for each prize
Total budget 2018-20	164 M€	1425 M€	300 M€	715 M€	40 M€
Focus	Exploring the feasibility of a business idea (~ 6 months)	Breakthrough innovation & international growth (12-24 months)	Close-to-market innovation	Radically new technologies	6 different topics (major societal issues)

- (1)** Applicants must be established in an EU Member State or in a country associated to Horizon 2020
- (2)** This industry involvement implies: (a) either the allocation of at least 60% of the budget to industry participants in the consortium, or (b) the presence of a minimum number of two industry participants in a consortium of three or four partners, or of three industry participants in a consortium of five partners
- (3)** A FET-Open consortium must always include at least 3 participants from 3 different EU Member States or Associated Countries. In addition to these three partners, any legal entity from anywhere in the world can be included in the consortium. Note however that organisations in some countries (e.g., US, Japan, China...) are only exceptionally eligible for funding, when their participation is essential for carrying out the action.
- (4)** Per action – with possible exceptions

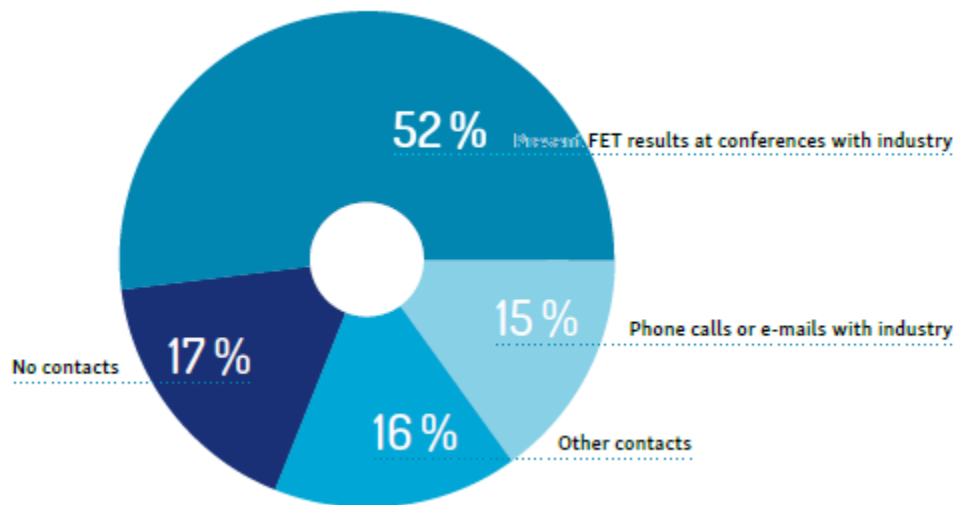
Why FET?

Main takeaways from 224 FET Open and Proactive projects:

- 40 percent of projects had at least one partner from industry
- 32% of projects had at least one publication written with the participation of an industrial partner
- 25% of all projects had at least one patent
- 12% of FET projects led to the founding of a spin-off company

INCREASING INDUSTRY RELEVANCE

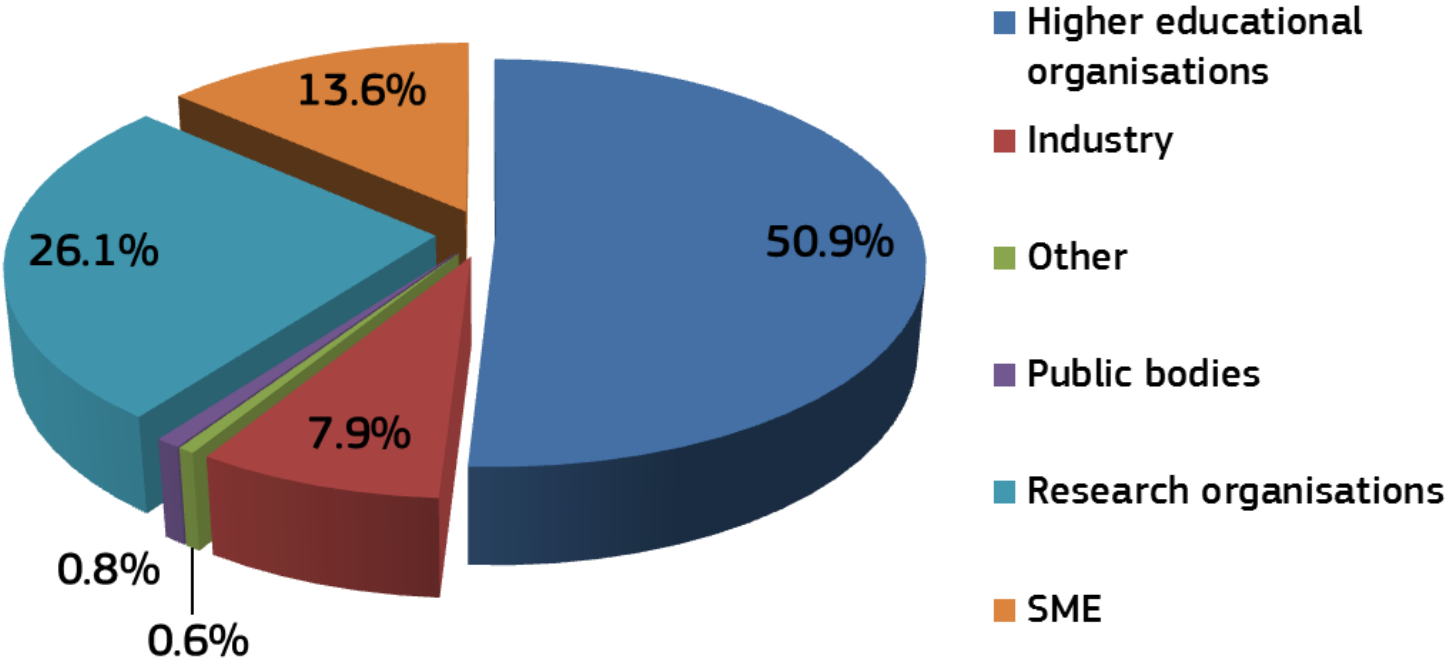
- Share of projects coordinated by an enterprise: 3.6%
- Share of enterprises among all unique organisations: 17%
- Share of projects with at least one partner from an enterprise: 40%



<https://www.fet-traces.eu/traces/index.php>

Research and Innovation

Participants profile FET-Open RIA Sep 2017 cut-off proposals



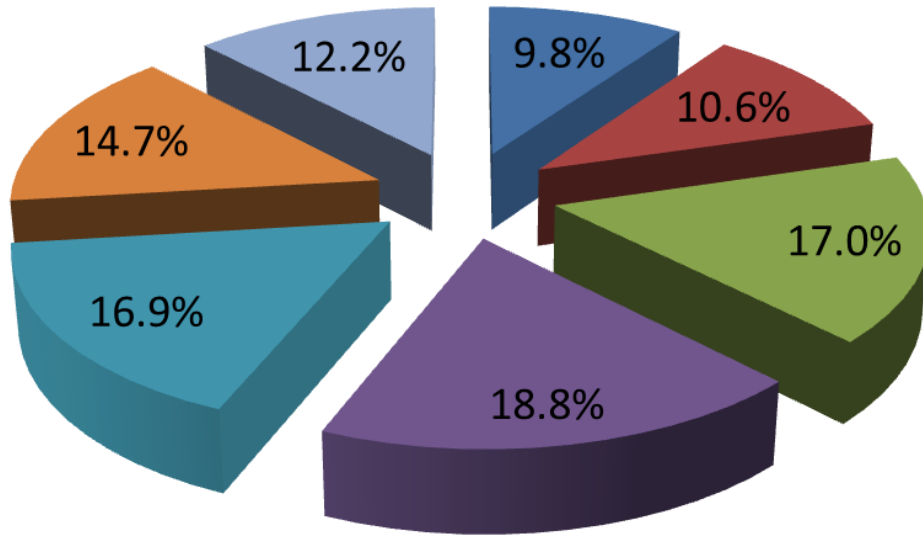
Recommendations of HLG of innovators

- Economic progress and societal value will increasingly come from *innovations that rely heavily on science and engineering* (“deep tech”) where Europe excels.
- *Targeted vs bottom-up*: Public support often targets particular technologies or sectors. This works well for building technological capabilities and longer term strategies (technology roadmaps, etc). *It does not work well for breakthrough innovation, because it is difficult to predict in advance, occurs at the interface between sectors and technologies*

FET Open – all technologies

Reaching out to many domains!

Ad-hoc clustering of proposals from the first call



- Energy, Transport, Environment
- Bio-Robotics and HCI
- Life Science, Medicine, Biology, NeuroBio
- Electronics, Telecom, Optics, Hardware, Sensors, Devices
- Computer Science, Bio-informatics, Complexity, Data mining
- Nanoscience, Quantum Physics, Astrophysics
- Materials, Chemistry

FET OPEN



Go far beyond of what is considered standard

From knowledge

... to new breakthrough technology

Laying foundations for radically new future technologies

High-risk / high-impact interdisciplinary research with three essential characteristics ("FET gatekeepers"):

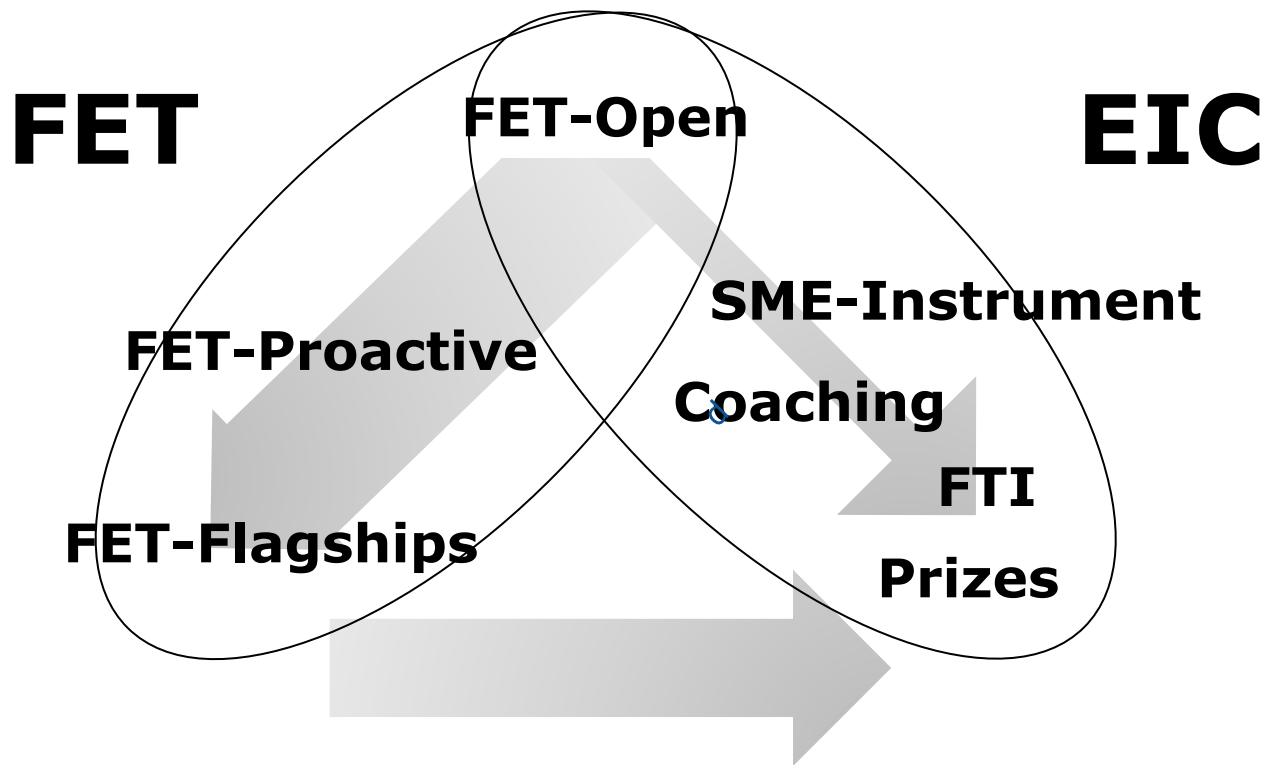
- Radical vision
- Breakthrough technological target
- Ambitious interdisciplinary research

FET Gatekeepers

FET Open proposals should:

- Have a clear and radical vision for new technology challenging current paradigms
 - incremental research following a well-established roadmap will not be funded
- Target a technological breakthrough
 - blue-sky exploratory research without a clear technological objective will not be funded
- Involve ambitious interdisciplinary research that opens up new areas of investigation
 - proposals with only low-risk incremental research will not be funded

FET Open and EIC



FET Open and EIC: a win-win

Early science-driven technological innovation...

... a key starting point for radical innovation; only done by FET

Exploring the unknown...

... FET-Open is a wide-ranging exploratory engine for novelty

Inspiring the entrepreneurial mind...

... even when far from market, all FET-Open projects are full of inspiring ideas for the entrepreneurial minds in EIC

Early detection of opportunities...

... Where researchers see possibilities, they see more research

Exchange between research and innovation world...

... so that FET attracts also new and high-potential innovators

Accelerator towards impact...

... FET Innovation Launchpad is a fast learning track into the EIC

FET OPEN – EIC Novelties

- **Three simplified FET gatekeepers**
- Potential for **market creation** is an expected impact
- **Business acceleration** services (including coaching) for **SMEs**
- Higher budget, also for FET Innovation Launchpad in view of **accelerating the impact** of the funding awarded

FET OPEN – Call deadlines

Dates and indicative budget

Topic (Type of Action)	Budget 2018 EUR million	Budget 2019 EUR million	Budget 2020 EUR million	Deadlines (cut-off dates)
FETOPEN-01-2018-2019-2020 (RIA)		160,40	203,00	18 September 2019 13 May 2020
FETOPEN-03-2018-2019-2020 (CSA) Innovation Launch Pad		2,70	3,00	8 October 2019 14 October 2020

FET-Open RIA statistics (per cut-off)

Call (cut-off)	Number of eligible and admissible proposals	Number of grants	Budget awarded (M€)	Success rate (%)
September '14	639	24	78,1	3,8
March '15	665	11	41	1,7
September '15	800	11	37,8	1,4
May '16	544	23	87,8	4,2
January '17	365	26	84,8	7,1
Total	3019	95	329,5	-
<i>September '17</i>	<i>403 (received)</i>	<i>est. 24-28</i>	<i>84 (budgeted)</i>	<i>est. 6-7</i>

In 2018-2020 there will be four cut-offs with budgets of 124M€, 160M€, 160M€ and 203M€ -> 66% of the total budget

Keep in touch with FET activities



FET Newsletter

http://ec.europa.eu/newsroom/index.cfm?service_id=129

News

<https://ec.europa.eu/digital-single-market/en/news/75998/3599>

Blogs

<https://ec.europa.eu/digital-single-market/en/blogs/75998/3599>



<https://ec.europa.eu/digital-single-market/en/policies/future-and-emerging-technologies>

