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Call FET-Open: **Novel ideas for radically new technologies**

"FET Open aims to establish European leadership in the early exploration of future technologies. It looks for opportunities of long-term benefit for citizens, the economy and society. It aims to mobilise Europe's most creative and forward thinking researchers from all disciplines to work together and explore what may become the leading technology paradigms of the future."

- **FETOPEN-01-2018-2019-2020: FET-Open Challenging Current Thinking**
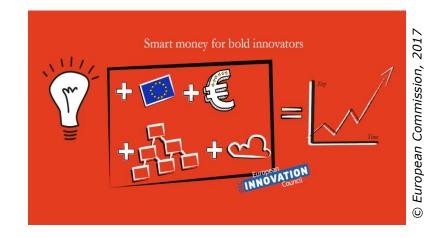
- **FETOPEN-03-2018-2019-2020: FET Innovation Launchpad**

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FET-Open
Research & Innovation Actions - RIA:
the main features

Objective: **Strengthen** breakthrough innovations **and boost the number of** high-growth companies

Focus on people, companies and research organisations with ideas for :

- **Radically new**, breakthrough products, technologies, services, processes or business models

- That **open up new markets** with the potential for rapid **European and global-scale growth** (high risk, need for significant investment)

- Take shape at the **intersection** between different technologies, industry sectors and scientific disciplines

© European Commission, 2017

FET-Open is OPEN!

- <u>No thematic restriction</u> (highly interdisciplinary)

- Completely <u>bottom-up</u>, but with a <u>clear technological target</u>

- <u>Collaborative research</u> (min. 3 partners from different MS/AC)

- Successful FET-Open project can be a proof-of-concept…

- EU contribution of up to 3M€ (indicative)

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Scope

Proposals are sought for **cutting-edge high-risk / high-impact interdisciplinary research** with ALL of the following essential characteristics so-called "**FET gatekeepers**":

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FET gatekeepers

- Radical vision: the project must address a clear and radical vision, enabled by a new technology concept that challenges current paradigms. In particular, research to advance on the roadmap of a well-established technological paradigm, even if high-risk, will not be funded.

- Breakthrough technological target: the project must target a novel and ambitious science-to-technology breakthrough as a first proof of concept for its vision. In particular, blue-sky exploratory research without a clear technological objective will not be funded.

- Ambitious interdisciplinary research for achieving the technological breakthrough and that opens up new areas of investigation. In particular, projects with only low-risk incremental research, even if interdisciplinary, will not be funded.

https://www.youtube.com/watch?v=t8dAJvoiguM

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Specific Challenges

- Lay the foundations for **radically new future technologies**;

- Visionary **interdisciplinary collaborations that** dissolve the traditional boundaries between sciences and disciplines;

- Encourage the **driving role of new actors** in research and innovation including excellent young researchers, ambitious high-tech SMEs and first-time participants to FET under Horizon 2020 from across Europe.

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Expected Impact

- Scientific and technological contributions to the foundation of a new future technology

- Potential for future social or economic impact or market creation

- Building leading research and innovation capacity across Europe by involvement of key actors that can make a difference in the future, for example excellent young researchers, ambitious high-tech SMEs or first-time participants to FET under Horizon 2020

First-time participants to FET under Horizon 2020 are individuals who are not / have not been involved in actions funded under any call in the FET work programmes under Horizon 2020.

(evaluated under the Impact criterion)

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Evaluation process

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Admissibility: Page limit

Sections 1 to 3 of the part B of the proposal should consist of a maximum of **15 A4 pages** (no cover page).

⚠️ **All pages exceeding this limit will be made invisible!**

Sections 4 to 5 are not covered by the page limit.

Note: The proposal must follow the specific formatting required (specific FET-Open proposal template)

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Eligibility

Rules for Participation Regulation No. 1290/2013

A proposal will only be considered <u>eligible</u> if:

1. Its content corresponds, wholly or in part, **to the topic description** for which it is submitted (so called *in-scope*, contrary to *out-of-scope*)
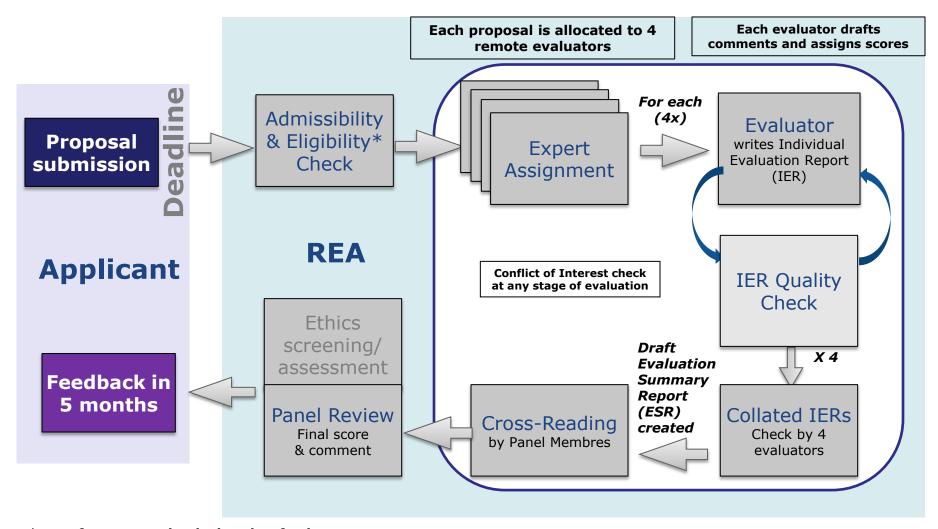
Proposals not satisfying all FET gatekeepers will be considered *out-of-scope*

2. At least three legal entities are present in the consortium. The following applies:

➢ Each of the three must be established in a different EU Member State (MS) or Horizon 2020 associated country (AC);

➢ All three legal entities must be independent of each other.

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Applicant

REA

Proposal submission

Deadline

Admissibility & Eligibility* Check

Each proposal is allocated to 4 remote evaluators

Expert Assignment

For each (4x)

Each evaluator drafts comments and assigns scores

Evaluator writes Individual Evaluation Report (IER)

IER Quality Check

Conflict of Interest check at any stage of evaluation

X 4

Ethics screening/ assessment

Feedback in 5 months

Panel Review Final score & comment

Cross-Reading by Panel Membres

Draft Evaluation Summary Report (ESR) created

Collated IERs Check by 4 evaluators

*out-of-scope can be declared at further stages

Evaluation criteria, Scoring and Thresholds

Excellence	Impact	Quality and efficiency of the implementation
Adherence to the "FET gatekeepers" as described in the call text: • Clarity of the radical vision of a science-enabled technology and its differentiation from current paradigms. • Novelty and ambition of the proposed science-to-technology breakthrough that addresses this vision. • Range of and added value from interdisciplinarity for opening up new areas of research; non-incrementality of the research proposed. • High-risk, plausibility and flexibility of the research approach.	• The extent to which the outputs of the project would contribute to the expected impacts listed in the work programme under this topic. • Effectiveness of measures and plans to disseminate and use the results (including management of IPR) and to communicate about the project to different target audiences.	The following aspects are taken into account: • Coherence and effectiveness of the research methodology and work plan to achieve project objectives and impacts, including adequate allocation of resources to tasks and partners. • Role and complementarity of the participants and extent to which the consortium as a whole brings together the necessary expertise.
Threshold: **4/5** Weight: **60%**	Threshold: **3.5/5** Weight: **20%**	Threshold: **3/5** Weight: **20%**

Research and Innovation

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Feedback to applicants
Evaluation Summary Report (ESR)

- Collation of all individual comments, per sub-criterion, from all 4 Individual Evaluation Reports (IER) – may be mutually contradicting (no consensus): full transparency

- Consensus score of the proposal, per criterion, is calculated as a median of all individual scores from IERs

- Final score, per criterion, is decided by the final Panel Review and the proposal total score is calculated as a weighted sum of scores from all 3 criteria (60%/20%/20%)

- Final Panel Review adds also some additional comments, possibly including the advice not to resubmit the proposal

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FET-Open Innovation Launchpad: the main features

FET
Innovation Launchpad

- **Turning FET-funded results into genuine societal or economic innovations**
  - results from recently finished or on-going FET RIA-project
- Up to 18 months
- Sole applicant or as part of a consortium
- Maximum funding **€100,000**
- No funding to activities that were in the original FET project

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FET
Innovation Launchpad

- **Examples of activities**
  - Definition of a commercialisation process
  - Market and competitiveness analysis
  - Technology assessment
  - Verification of innovation potential
  - Consolidation of intellectual property rights
  - Business case development

- Limited low-risk technology development
  - if clear and necessary role the broader proposed innovation strategy & plan

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FET
Innovation Launchpad

- **Expected impact**
  - Increased value creation from FET projects by picking innovation opportunities
  - Improved societal and market acceptance of concrete high-potential innovations from FET projects
  - Stimulating, supporting and rewarding an open and proactive mind-set towards exploitation beyond research world
  - Contributing to the competitiveness of European industry/economy by seeding future growth and the creation of jobs from FET research

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Additional information

Timetable

	Submission deadlines
RIA	18 September 2019 13 May 2020
Innovation Launchpad	8 October 2019 14 October 2020

Evaluation outcome in 5 months

Signature of grants in 8 months

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Where to find Call's documents?

Work Programme 2018-2020:
http://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-fet_en.pdf , including the *General Annexes*:
https://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2018-2020/annexes/h2020-wp1820-annex-ga_en.pdf

Admissibility and Eligibility conditions:
https://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2018-2020/annexes/h2020-wp1820-annex-ga_en.pdf (sections B and C)

The list of Countries directly eligible for funding:
https://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2018-2020/annexes/h2020-wp1820-annex-a-countries-rules_en.pdf and Associated countries :
http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/3cpart/h2020-hi-list-ac_en.pdf

Proposal template:
http://ec.europa.eu/research/participants/data/ref/h2020/other/call_ptef/pt/h2020-call-pt-fetopen-ria-2018-20_en.pdf

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Further information and support

- <u>Frequently Asked Questions</u>

Please visit the FAQ section of the Participant Portal (Search for the call topic FET-Open:
<u>http://ec.europa.eu/research/participants/portal/desktop/en/support/faq.html</u>

- <u>National Contact Points (NCPs)</u>

<u>https://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html</u>

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ec.europa.eu/research/eic
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Thank you for your attention!

Questions?

rea-fet-info-day@ec.europa.eu