FET Open
FET main features
FET Open gatekeepers and evaluation process

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Research Programme Officer
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REA.A.5 – Fostering Novel Ideas: FET-Open
Content

- FETOPEN in general
- Research and Innovation-Actions (RIA)
- Gatekeepers
- Evaluation process
- Statistics
- Food for thoughts
A stronger, clearer focus

H2020 budget € 74.8 billion

- Industrial Leadership € 16.5 billion
- Societal Challenges € 28.6 billion
- Excellent Science € 24.2 billion
- Other * € 6 billion

*Other:
- Spreading excellence & widening participation
- Science with and for society
- JRC
- EIT

Research infrastructures 10%
MSCA 25%
FET 11%
ERC 54%
FET: Novel ideas for radically new technologies
visionary thinking
... but very concrete mission

€ 2.6 billion to initiate radically new lines of technologies

- collaborative research
- extend Europe’s capacity for advanced and paradigm-changing innovation.
- foster scientific collaboration across disciplines on radically new, high-risk ideas
FET: three complementary lines of action

Open, light and agile  →  Roadmap based research

**FET-Open**
- *Early Ideas*
  - Individual research projects
  - Exploring novel ideas

**FET Proactive**
- *Exploration and Incubation*
  - Critical mass making a case
  - Developing topics & communities

**FET Flagships**
- *Large-Scale Partnering Initiatives*
  - Common research agenda
  - Addressing grand challenges
FET-Open RIA: supporting early-stages of research to establish a new technological possibility.

- Collaborative projects up to €3 Mio funding (indicative)
- Single step submission, '1+15' pages
- Early stages of R&I on any new technological possibility
- Scope defined by FET gatekeepers
- Proposals evaluated and ranked in one single interdisciplinary Panel
FET gatekeepers

Future and Emerging Technologies

Interdisciplinary

S&T breakthrough

Novelty

High-risk

Long-term vision

Foundational
A new, original or radical long-term vision of technology-enabled possibilities going far beyond the state of the art
The proposed collaborations must go beyond current mainstream collaboration configurations in joint S&T research, and must aim to advance different scientific and technological disciplines together and in synergy towards a breakthrough.
Scientifically ambitious and technologically concrete breakthroughs plausibly attainable within the life-time of the project.
New Ideas and concepts, rather than the application or incremental refinement of existing ones
The potential of a new technological direction depends on a whole range of factors that cannot be apprehended from a single disciplinary viewpoint.
The breakthroughs must be foundational in the sense that they can establish a basis for a new line of technology not currently anticipated.
Country participation in submitted proposals
H2020 FET-Open RIA 2014-2016
FET-Open evaluation process

Proposal submission

Applicant

Feedback in 5 months

Research Executive Agency

Eligibility check

Expert selection

Remote evaluations

Quality check

Cross-reading

Ethics screening/assessment

Panel review

15
FET-Open: remote evaluation

- 4 remote evaluators per proposal
- Individual Evaluation Report (IER)

- Proposal submission
- Applicant
- Feedback in 5 months
- Eligibility check
- Expert selection
- Remote evaluations
- Quality check
- Cross-reading
- Panel review
- Ethics screening/assessment
FET-Open: preparing the panel review

Proposal submission

Applicant

Feedback in 5 months

- Quality check of IER and iteration if necessary
- Collate IER, median score calculated
- Systematic cross reading of proposals
- Panel members briefed to carefully look at 'diverging' opinions

Remote evaluations

Eligibility check

Expert selection

Cross-reading

Quality check

Panel review

Ethics screening/assessment
FET-Open: panel review, central meeting of cross-readers

- Detailed discussion of all 'highly scored' proposals (~1h per proposal)
- Special attention to 'diverging' opinions
- Final score decision by consensus or vote if necessary
- Ranking list
- Sorting out proposals with tie scores
- Panel can add comments
FET-Open: Feedback to proposers

Proposal submission → Eligibility check → Expert selection → Remote evaluations

- Evaluation Summary Report (ESR): collation of all (4) evaluators' comments, per sub-criterion, which may be mutually contradicting - full transparency

Applicant → Ethics screening/assessment → Panel review → Cross-reading

Feedback in 5 months
# Evaluation outcome of Research & Innovation Actions (RIA)

<table>
<thead>
<tr>
<th>Cut-off</th>
<th>Eligible proposals received A</th>
<th>Above threshold proposals B</th>
<th>Grant requested by above threshold proposals</th>
<th>Retained Proposals D</th>
<th>Grant requested by retained proposals</th>
<th>D/A %</th>
<th>Over subscription - above threshold D/B</th>
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</thead>
<tbody>
<tr>
<td>SEP 2014 (77M€)</td>
<td>639</td>
<td>254</td>
<td>805 M€</td>
<td>24</td>
<td>78,1 M€</td>
<td>3.7%</td>
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<td>MAR 2015 (38,5M€)</td>
<td>665</td>
<td>326</td>
<td>1079 M€</td>
<td>11</td>
<td>41 M€</td>
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<tr>
<td>SEP 2015 (38,5M€)</td>
<td>800</td>
<td>346</td>
<td>1203 M€</td>
<td>11</td>
<td>37,8 M€</td>
<td>1.4%</td>
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<tr>
<td>MAY 2016 (84M€)</td>
<td>544</td>
<td>272</td>
<td>962 M€</td>
<td>22</td>
<td>84.9 M€</td>
<td>4.0%</td>
<td>8.1%</td>
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Country participation in funded projects
H2020 FET-Open RIA 2014-2016
Is FET-Open really the right scheme for you?

- FET is not ERC: collaboration, science and technology are all essential ingredients.
- It is not because something has not been done before that it is sufficiently novel for FET.
- FET is not the long-term end of an established industry's roadmap (radical novelty, interdisciplinarity,...).
- An exciting long-term vision is essential, but also a new and plausible idea on how to get there.
- Writing a good FET-Open proposal is probably as hard as writing a good scientific publication.
What it takes to be successful

- Be ambitious:
  - Follow your crazy idea
  - High (scientific) risk endeavoured
  - Long ranging idea
  - Still, be concrete!

- Keep in mind your audience and read carefully the evaluation criteria
  - Write for simple people
  - Be objective
  - Say only what you wish

- Start working early
  - 3 countries
  - Look for the best
  - Only if you need

- Consult the National Contact Point for advice
What it takes to be successful

- Understand the FET rules and respect them (read carefully the documentation

EXCELLENCE all around, be it content, form, or presentation
## Conditions for the Call – FET-Open

<table>
<thead>
<tr>
<th>Topic</th>
<th>Budget 2016 (€ Million)</th>
<th>Budget 2017 (€ Million)</th>
<th>Deadlines</th>
<th>Opening</th>
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<tbody>
<tr>
<td>FETOPEN-01-2016-2017 (RIA)</td>
<td>84.00</td>
<td>84.00</td>
<td>11 May 2016 17 Jan 2017 27 Sep 2017</td>
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<td>1 Mar 2016</td>
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<td><strong>Total:</strong></td>
<td><strong>88.20</strong></td>
<td><strong>113.80</strong></td>
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FET-Open RIA - interdisciplinarity

- Mathematics
- Physics
- Information Sciences and Engineering
- Chemistry
- Social Sciences and Humanities
- Economic sciences
- Environmental and Geosciences
- Life Sciences
Thanks for your attention!