

# FET



## **Future and Emerging Technologies.**

**Draft WP2016-2017**



# FET



# FET-Proactive Call conditions

## Call - FET Proactive – Boosting emerging technologies

***FET Proactive** addresses promising directions for research on future technologies in order to build up a European critical mass of knowledge and excellence around them.*

	<b>FET-Proactive – boosting emerging technologies</b>	<b>95M</b>
FETPROACT-01-2016	Emerging themes and communities	80M
FETPROACT-02-2017	FET ERANET Cofund	5M
FETPROACT-03-2016	FET ERANET Cofund on quantum technologies	10M

## Conditions for the Call – FET Proactive

Topic	Budget 2016 (€ Million)	Budget 2017 (€ Million)	Deadlines	Opening
FETPROACT-01-2016 (RIA)	80.00		12 Apr 2016	8 Dec 2015
FETPROACT-02-2017 (ERA-NET-Cofund)		5.00	24 Jan 2017	20 Sep 2016
FETPROACT-03-2016 (ERA-NET-Cofund)	10.00		12 Apr 2016	8 Dec 2015
<b>Total:</b>	<b>90.00</b>	<b>5.00</b>		

## 10 topics from FET Pro-active consultation

### *Future technologies for societal challenges*

- **Being human in a technological world**
- **New science for a globalised world**

**20M max**

### *Biotech for better life*

- **Intra- and inter-cell bio-technologies**
- **Bio-electronic medicines and therapies**
- **Cognitive neuro-technologies**

**30M max**

### *Disruptive information technologies*

- **New computing paradigms and their technologies**
- **Quantum engineering**
- **Hybrid opto-electro-mechanical devices at the nano-scale**

**30M max**

### *New technologies for energy and functional materials*

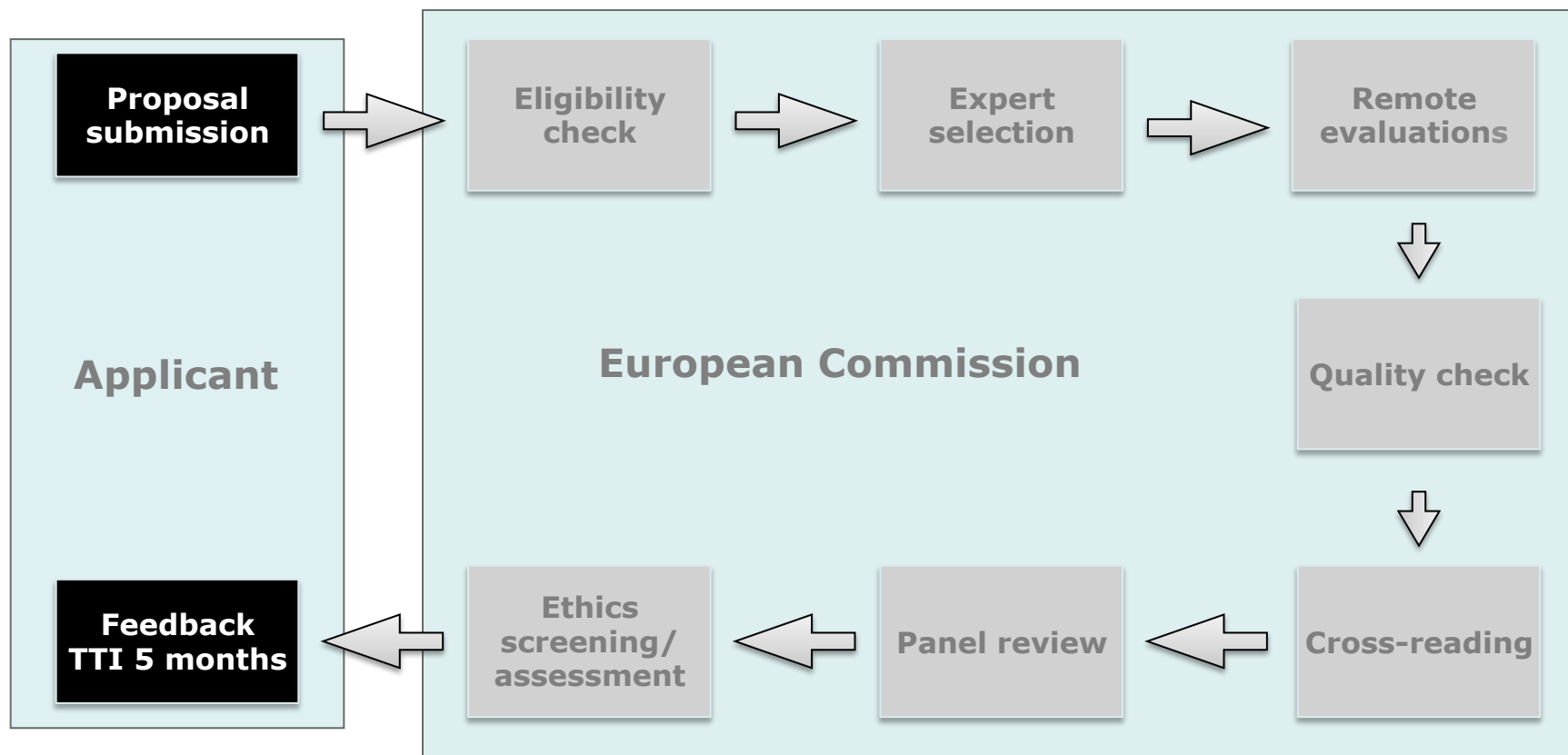
- **Ecosystem engineering**
- **Complex bottom-up construction**

**20M max**

## **Conditions for the Call – FET Proactive**

- **Single stage procedure**
- **High quality peer review (remote) by 4 experts**
- **Interdisciplinary final panel review**
- **Time table for evaluation and GA signature**
  - **Time to Inform (TTI) - outcome of the evaluation within 5 months**
  - **Time to Grant (TTG) - signature of the GA within 8 months**
- **Eligibility and admissibility conditions - parts B and C of the General Annexes to the Work Programme**
- **Grant Agreement Preparation (GAP) - grant completely based on proposal (no negotiation)**
- **Proposal score calculation at consensus stage (per criterion) - Median of the 4 individual scores from Individual Evaluation Reports (IER)**

# 1 step submission and evaluation



## Proposal composition (RIA)

- **Part A: Administrative part of the proposal**
- **Part B: Narrative part of the proposal (core proposal)**
  - **Cover page (1 page A4)**
  - **Section 1: S&T Excellence**
  - **Section 2: Impact**
  - **Section 3: Implementation**
  - **Section 4: Members of the consortium (Additional information)**
  - **Section 5: Ethics and Security (Additional information)**
  - **Page limit: Sections 1, 2 and 3 together are strictly limited to 30 pages A4. No page limit applies to Sections 4-5.**



## Evaluation Criteria, Scoring and Thresholds (RIA)

### Excellence

The following aspects are taken into account:

- Clarity of targeted breakthroughs and of the science and technology contributions towards establishing a solid baseline of knowledge and skills for the specific theme being addressed.
- Novelty, level of ambition and foundational character.
- Appropriateness of the methodology to narrow down multiple options and to address high scientific and technological risks.
- Range and added value from interdisciplinarity, including measures for exchange, cross-fertilisation and synergy.

**Threshold: 4/5**  
**Weight: 60%**

### Impact

- The extent to which the outputs of the project contribute at the European or International level to:
- the expected impacts listed under this topic in the workprogramme.
- the transformation of technology and/or society.
- structuring effects on multidisciplinary communities of researchers and stakeholders.
- innovation potential and leadership from the emergence of a new innovation ecosystem, the empowerment of new and high potential actors and from public engagement.

**Threshold: 3.5/5**  
**Weight: 20%**

### Implementation

- Soundness of the workplan and clarity of intermediate targets
- Relevance of expertise in the consortium
- Appropriate allocation and justification of resources (person-months, equipment)

**Threshold: 3/5**  
**Weight: 20%**

## **Feedback to proposers - Evaluation Summary Report (ESR)**

- **Collation of all individual comments (anonymous, no scores), per sub-criterion, from the 4 IERs - may be mutually contradicting (no consensus) - full transparency**
- **Final score per criteria is decided by the final panel review**
- **Final score for the proposal is calculated as the weighted sum (see evaluation criteria) of the final scores from the 3 evaluation criteria**
- **Final panel review adds also some additional comments**

## **Some additional important information**

- **Operational capacity – reflected in the score for Criterion 3**
- **In/out of scope – not in terms of topics; reflected in the scores for Criteria 1 & 2**
- **Ethics assessment – not part of the evaluation**
- **Consortium agreement required, in principle prior to the GA signature**
- **Horizon 2020 Open Research Data Pilot – not part of the evaluation, but the participation in the pilot (default option) is very important in order to ensure maximal efficiency from the EC investments in research (requires a Data Management Plan deliverable)**

## Selecting projects for funding

*Funding decisions are based on ordered list of proposals scoring above all thresholds, and:*

<b>FETPROACT-01-2016</b>	<b>When selecting projects for funding, from the budget available for this topic a maximum of EUR 20 million will be allocated for each of the areas 1 and 4, and a maximum of EUR 30 million for each of the areas 2 and 3.</b>
<b>FETPROACT-02-2017 FETPROACT-03-2016</b>	<b>at most one ERA-NET-Cofund will be funded under each of these topics.</b>



# Thank you for your support

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