



Future and Emerging Technologies (FET)

FET OPEN

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Research Executive Agency (REA)

Porto & Lisbon, June 2017

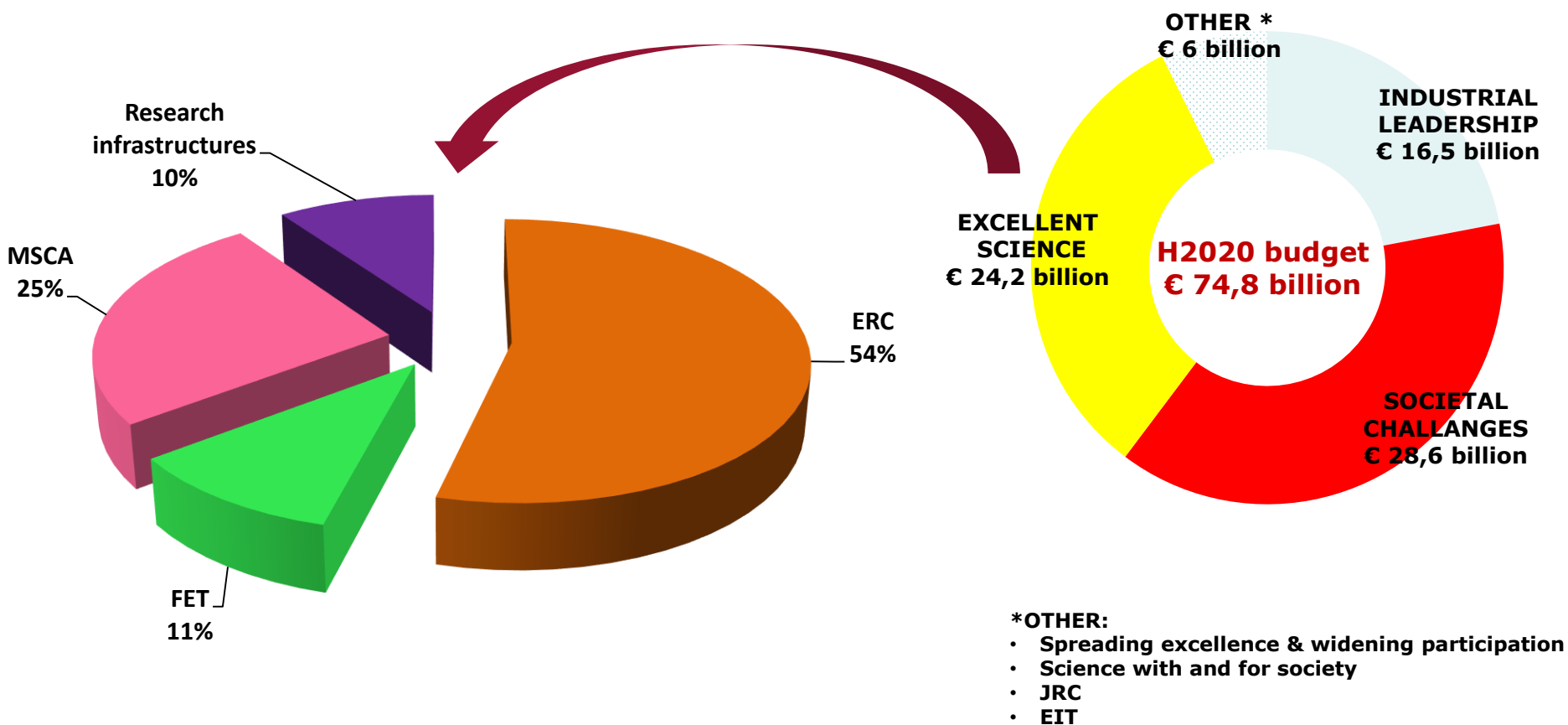
FET Gatekeepers video

<https://www.youtube.com/watch?v=oTEzxpz69TU>

General content

- * FET Open RIA
- * FET Open Innovation Launchpad
- * Evaluation of proposals
- * Some FET Open statistics
- * European Innovation Council

Horizon 2020: A strong, clear focus





FET activities

- Ground for **multidisciplinary** collaborations on FET
- Kick-starting European **R&I eco-systems**
- Seed for future **industrial leadership** – tackling **society's** challenges
- Focus on research **beyond** what it is known

Open, light and agile



Roadmap based research

FET-Open

Early Ideas

40% H2020 FET budget

Exploring
novel ideas

FET Proactive

*Exploration and
Incubation*

Developing
topics & communities

FET Flagships

*Large-Scale Partnering
Initiatives*

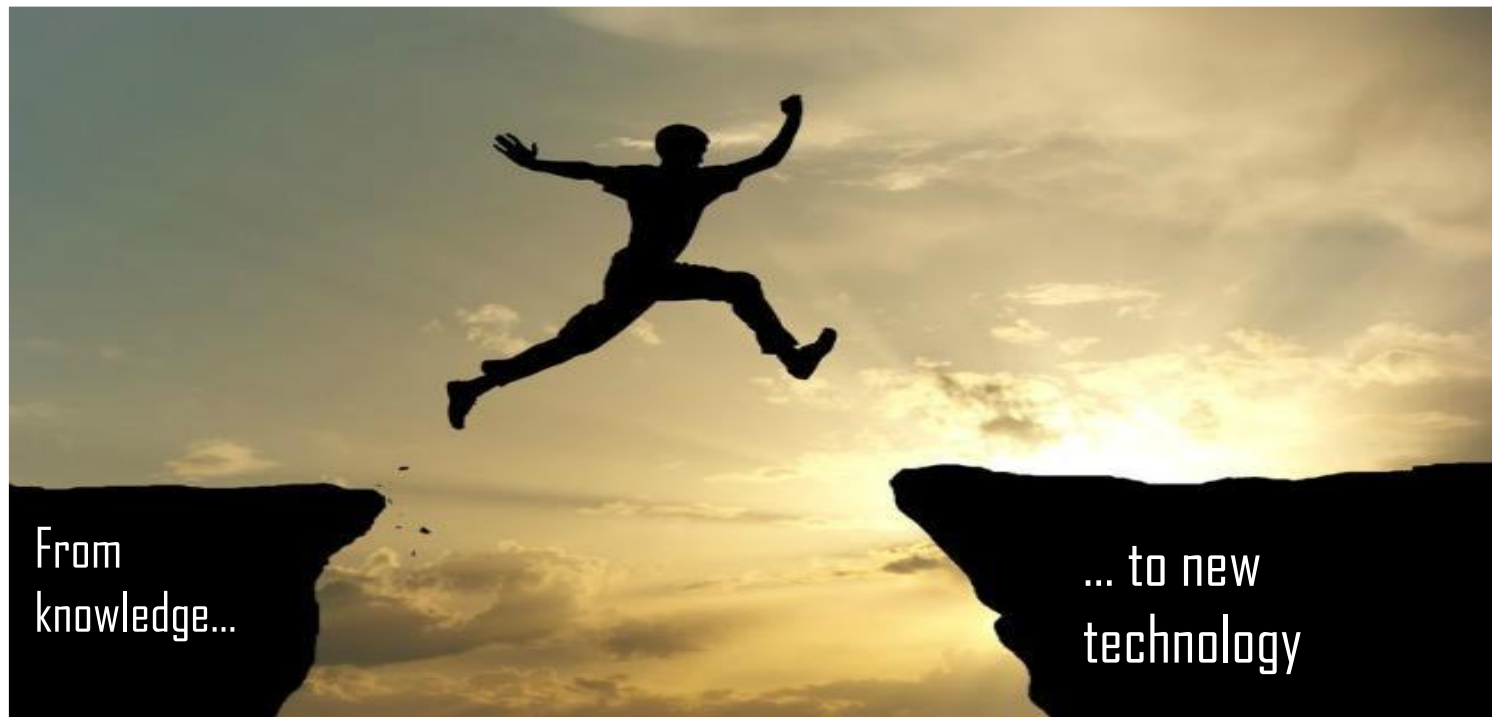
Addressing
grand challenges

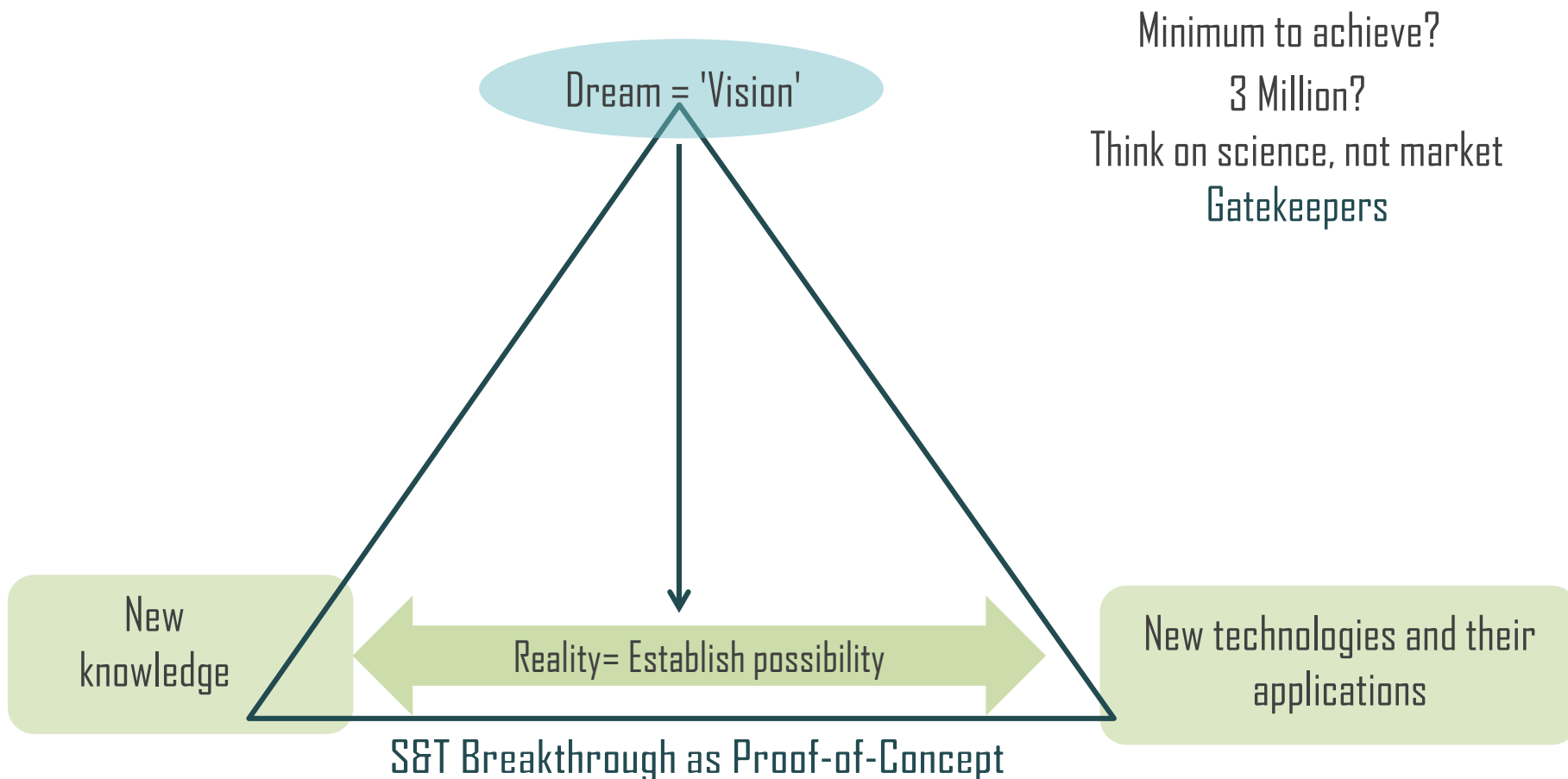


FET Open

- Research and Innovation Actions (RIA)
 - Innovation Launchpad

Let's try even if it might fail! Leap!





Minimum to achieve?
3 Million?
Think on science, not market
Gatekeepers

Conditions for the Call - FET-Open – Novel ideas for radically new technologies

Opening date(s), deadline(s), indicative budget(s):⁵

Topics (Type of Action)	Budgets (EUR million)		Deadlines
	2016	2017	
Opening: 08 Dec 2015			
FETOPEN-02-2016 (CSA)	3.00		11 May 2016
FETOPEN-01-2016-2017 (RIA)	84.00	110.50	11 May 2016 17 Jan 2017
			27 Sep 2017
Opening: 01 Mar 2016			
FETOPEN-04-2016-2017 (CSA)	1.20	1.80	29 Sep 2016
Innovation Launchpad			27 Sep 2017



FET Open – Research and Innovation Actions (RIA)

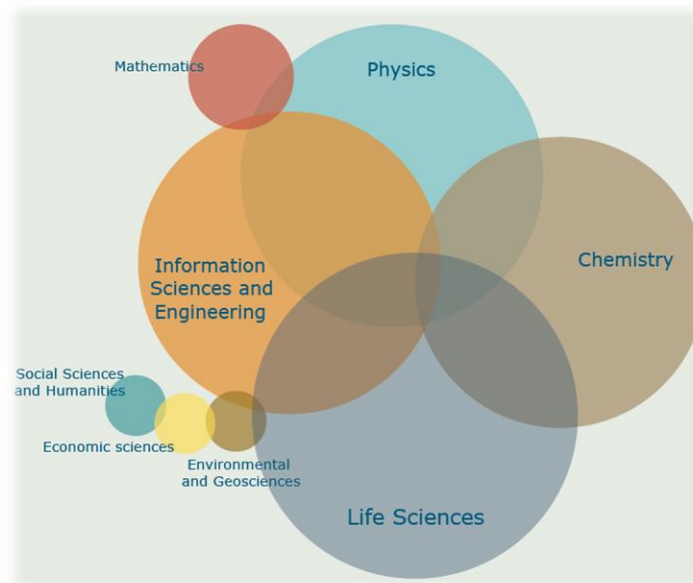
Next deadline 27 Sep 2017

Description RIA-FET Open

(I)



- * 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



Gatekeepers:

- * Long term vision
- * Breakthrough S&T target
- * Novelty
- * Foundational
- * High-Risk
- * Interdisciplinary





- * No thematic restriction, no emphasis on any subject
- * New areas: space research, medicine, energy...
- * Successful FET project result is a proof of a concept in a lab
 - Bottom-up, but targeted - **not blue sky research**
- * **Collaborative** research
- * Establish baseline of feasibility and innovation potential
- * European thought-leadership and future leaders
 - New R&I practices
- *
- *



FET Innovation Launchpad (CSA)

Next deadline 27 Sep 2017

FET Innovation Launchpad (CSA)

- * Funding for further innovation related work to verify and substantiate the innovation potential of ideas arising from FET funded projects
 - **Open only for results linked with on-going or recently closed FET projects**
 - **No funding for further research nor activities covered already**
- To support the next steps in turning FET technologies into a genuine social or economic innovation
- *
 - Short and focused individual or collaborative actions (up to 100.000€ and no longer than 18 months)
- *
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FET Innovation Launchpad (CSA)

New and unexpected results and ideas from FET projects

- * Increased innovation potential from FET projects by picking up expected & non-anticipated innovation opportunities
- * Closer to market high potential innovations
- * Stimulating, supporting and rewarding open & proactive mind-set towards exploitation
- Seeding future growth and the creation of jobs from FET research
- *



FET

Evaluation process

Evaluation criteria



1. Excellence

- 1) Clarity and novelty of long-term vision, and targeted breakthrough towards that vision.
- 2) Novelty, non-incrementality and plausibility and its foundational character.
- 3) Appropriateness of the research methodology
- 4) Range and added value from interdisciplinarity

Threshold: 4/5
Weight: 60%

2. Impact

- 1) Transformational impact on technology and/or society.
- 2) Future European scientific and industrial leadership
- 3) Quality of methods and measures for achieving impact beyond the research world

Threshold: 3,5/5
Weight: 20%

3. Implementation

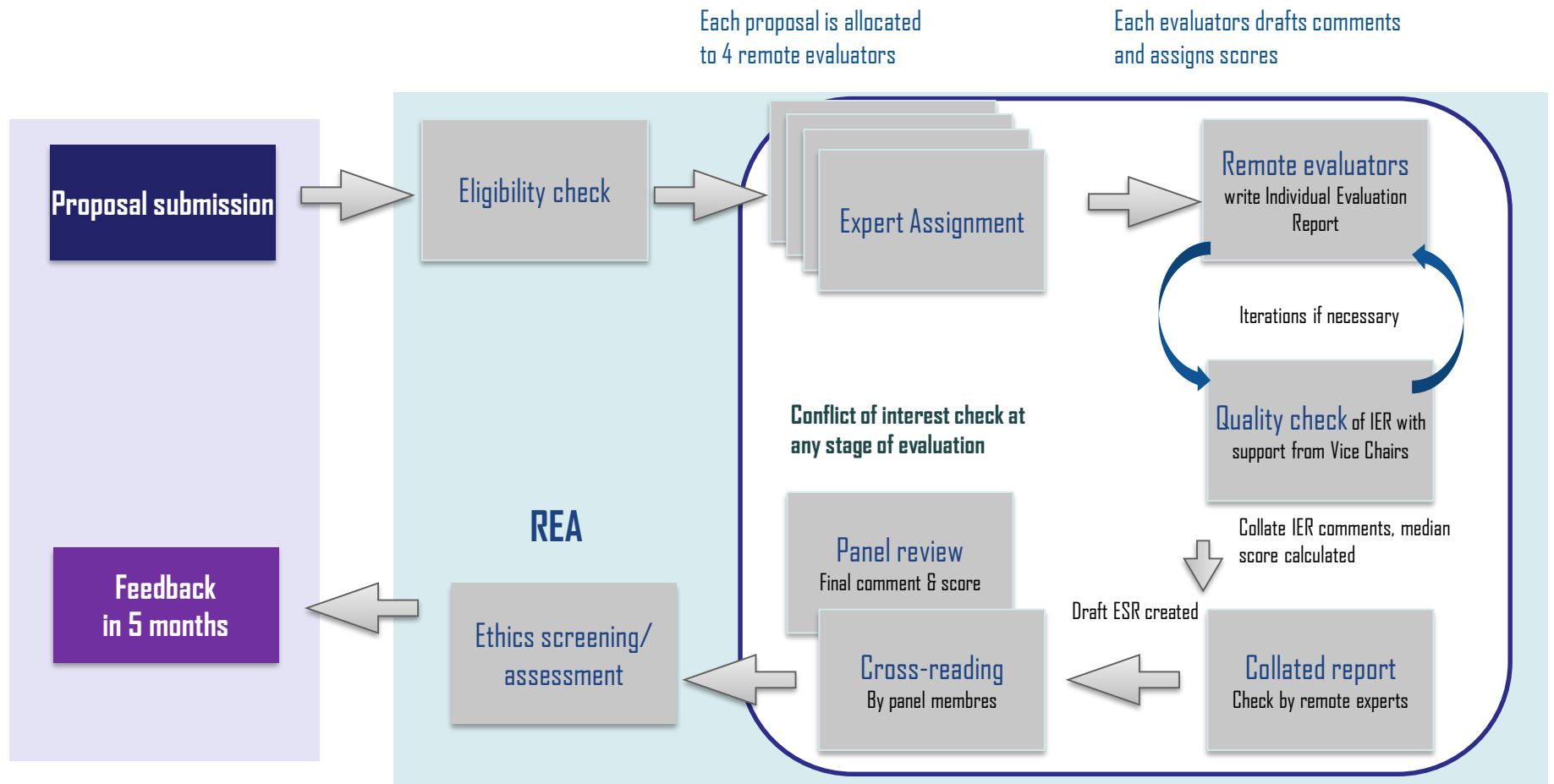
- 1) Soundness of the workplan and clarity of intermediate targets.
- 2) Relevance of expertise in the consortium.
- 3) Appropriate allocation and justification of resources (person-months, equipment).

Threshold: 3/5
Weight: 20%

FET Open WP statement on the evaluation:

- * *At consensus stage, the consensus score for each evaluation criteria will be the median of the corresponding scores attributed by the individual evaluators and consensus report will comprise a collation of the comments from individual reports, or extracts from them. Final scores and any additional comments are decided by the final panel review.*
- From the applicants' point of view in plain English:
 - * • **Applicants will receive in the ESR the comments of all the evaluators instead of a summary of them as well as comments of the final ranking panel**

Evaluation process





European
Commission



FET Open

Some statistics

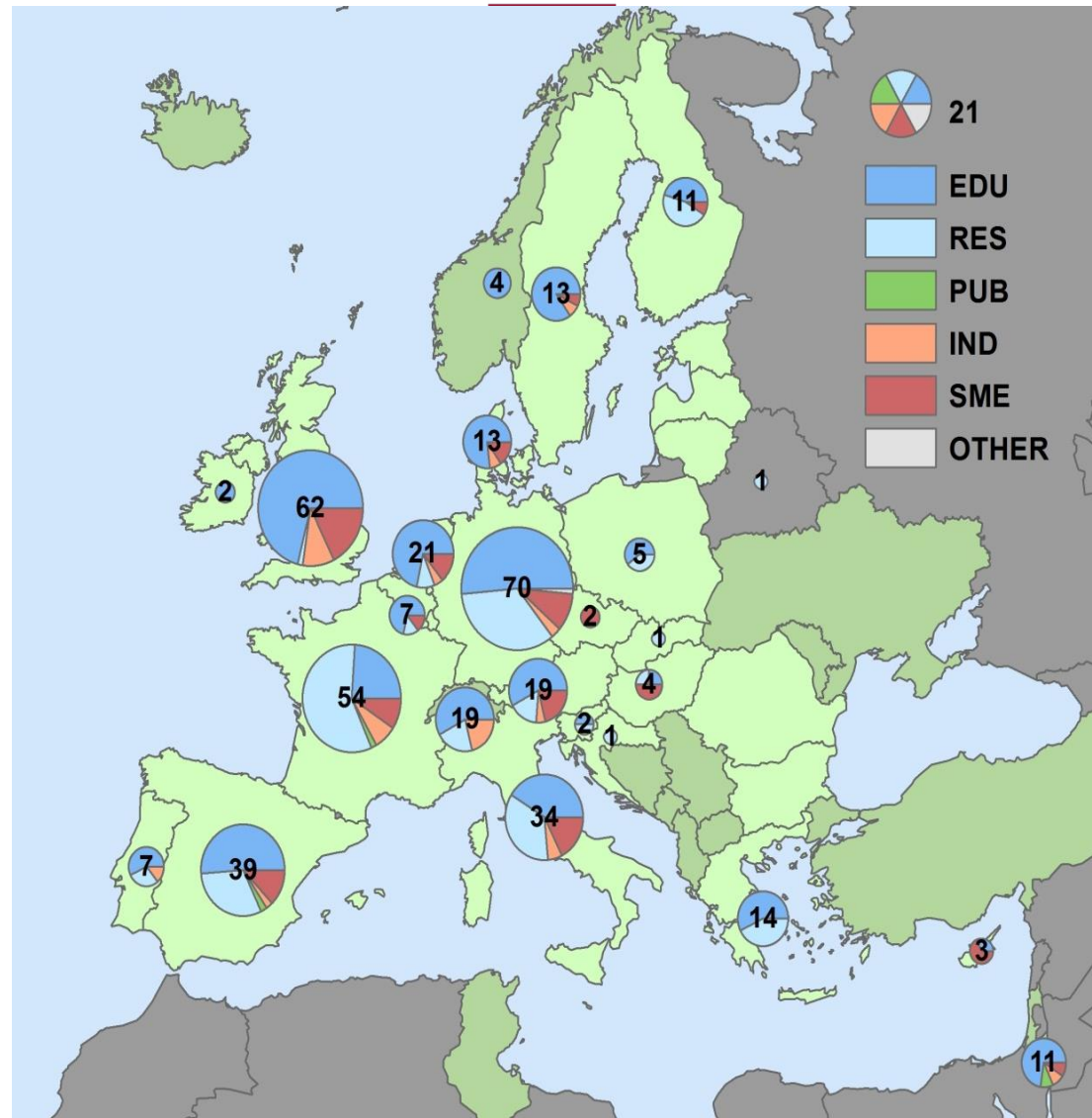
FET-Open RIA in a nutshell

Calls	Total # of eligible proposals	Number of grants	Total Requested (M€)	Success rate
sept-14	639	24	78,1	3,70%
mars-15	665	11	41,0	1,65%
sept-15	800	11	37,8	1,37%
may-16	544	23	87,8	4,22%
janv-17	365	26 (announced)	84,8	7,12%
Total	3019	95	329,5	

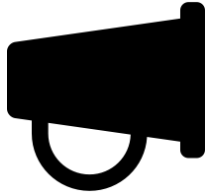
Country participation in ongoing projects H2020 FET-Open RIA 2014-2016



European Commission



Executive Agency



Call for experts !

- * Do you have a high-level of expertise in the relevant fields of research and innovation of H2020?
 - Can you be available for occasional, short-term assignments?
- *

Sign up at the participant portal:

<http://ec.europa.eu/research/participants/portal/desktop/en/experts/>

For more information:

FET Open information day - recording of April 17, 2017

<https://webcast.ec.europa.eu/fet-open-infoday>

FET Open Innovation Launchpad webinar - recording of May 5, 2017

<https://webcast.ec.europa.eu/fet-innovation-launchpad-cut-off-27-09-2017>

Participant portal:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html>

FET Work Programme 2016-2017 call text :

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-fet_en.pdf

Twitter: @FET_EU



FET Open & European Innovation Council

European Innovation Council - Questions:

- What is the problem: Europe lacks innovative high-growth companies, 'scale-ups' creating jobs and growth
- What are the causes: market fragmentation, lack of R&D investment, lack of venture capital, framework conditions may hinder
- Why should the EU act: Europe-wide competition for ideas, Europe-wide potential market, Europe-wide support with high impact

. . . and some answers

•Options for action:

- Stimulating market-creating innovation (radically new, breakthrough products, services, processes or business models that open up new markets with the potential for rapid growth at European (and global) levels)
- Intervening where private investors are unable to go alone (e.g. due to higher technology, market, regulatory risks), to crowd in private investment

•In 2018-2020 staying within H2020 rules with:

- SME instrument, FET Open, FTI, Prizes
- + coaching, mentoring, exploring new funding instruments

EIC High Level Group of Innovators



Nicklas Bergman



Martin Bruncko



Paddy Cosgrave



Gráinne Dwyer



Hermann Hauser



Marjolein Helder



Taavet Hinrikus



Ingmar Hoerr



Bindi Karia



Jana Kolar



Carlos Oliveira



Jim Hagemann Snabe



Kinga Stanisławska



Constantijn van Oranje



Roxanne Varza