



H2020 Future Emerging Technologies

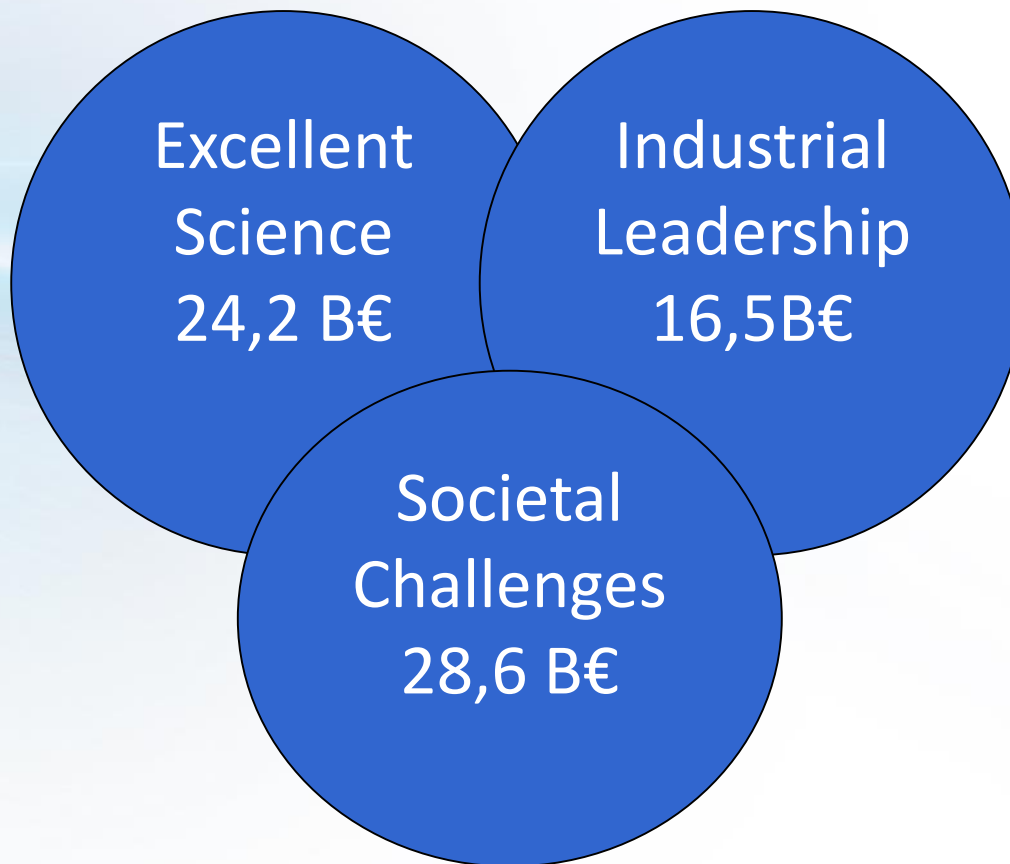
Madrid, 1 Marzo 2016

Raquel FERNANDEZ HORCAJADA

FET Open
Research Executive Agency
European Commission

A stronger, clearer focus

H2020 Budget: 74,8 B€ (current prices)



Excellent
Science
24,4 B€

Excellent Science pillar in H2020

- European Research Council (13B€)
- Marie Skłodowska-Curie actions (6,1B€)
- **Future and Emerging Technologies**
- Research infrastructures programme (2,4B€)

FET: ~2,6 B€*

() approximate figure for the duration of H2020 (2014-2020)*

"Future and emerging technologies shall support collaborative research in order to extend Europe's capacity for advanced and paradigm-changing innovation."

HORIZON 2020 - THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION (2014-2020)

Pathfinding Europe's technological future(s)



Future and emerging technologies:

- foster scientific collaboration across disciplines on radically new, high-risk ideas
- accelerate development of the most promising emerging areas of science and technology

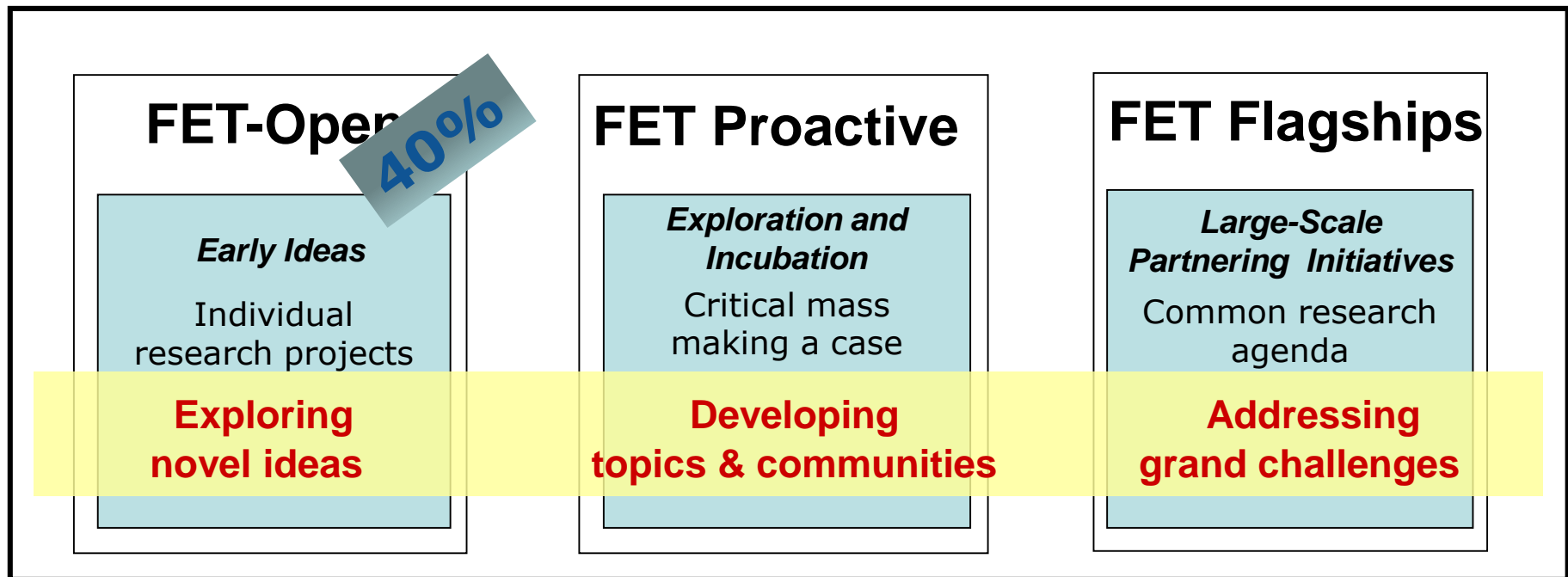
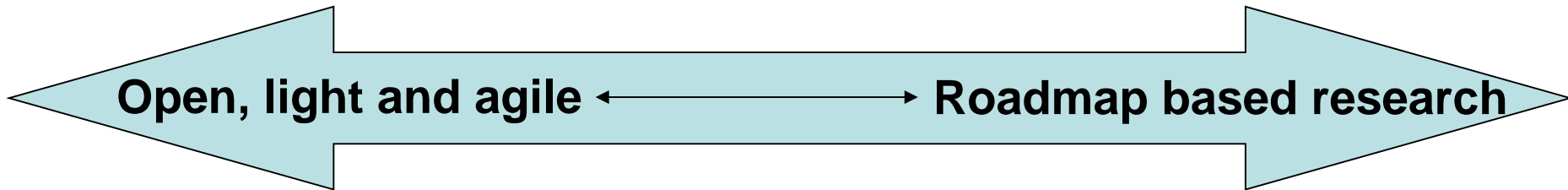
Pathfinding Europe's technological future (s)



Future and emerging technologies:

- foster scientific collaboration across disciplines on radically new, high-risk ideas
- accelerate development of the most promising emerging areas of science and technology

Innovation Potential of FET



FET WP2016-17, overview

- **Call - FET-Open – Novel ideas for radically new technologies**
 - FETOPEN-01-2016-2017: FET-Open research and innovation actions
 - FETOPEN-02-2016: FET-Open Coordination and Support Actions
 - FETOPEN-03-2017: FET-Open Coordination and Support Actions
 - FETOPEN-04-2016-2017: FET Innovation Launchpad
- **Call - FET Proactive – Boosting emerging technologies**
 - FETPROACT-01-2016: FET Proactive: emerging themes and communities
 - FETPROACT-02-2017: FET ERANET Cofund
 - FETPROACT-03-2016: FET ERANET Cofund in Quantum Technologies
- **Call - FET Proactive – High Performance Computing**
 - FETHPC-01-2016: Co-design of HPC systems and applications
 - FETHPC-02-2017: Transition to Exascale Computing
 - FETHPC-03-2017: Exascale HPC ecosystem development
- **Call - FET FLAGSHIPS – Tackling grand interdisciplinary science and technology challenges**
 - FETFLAG-01-2016: Partnering environment for FET flagships
- **Other Actions**
 - FET Flagship Core Projects (within FPAs)

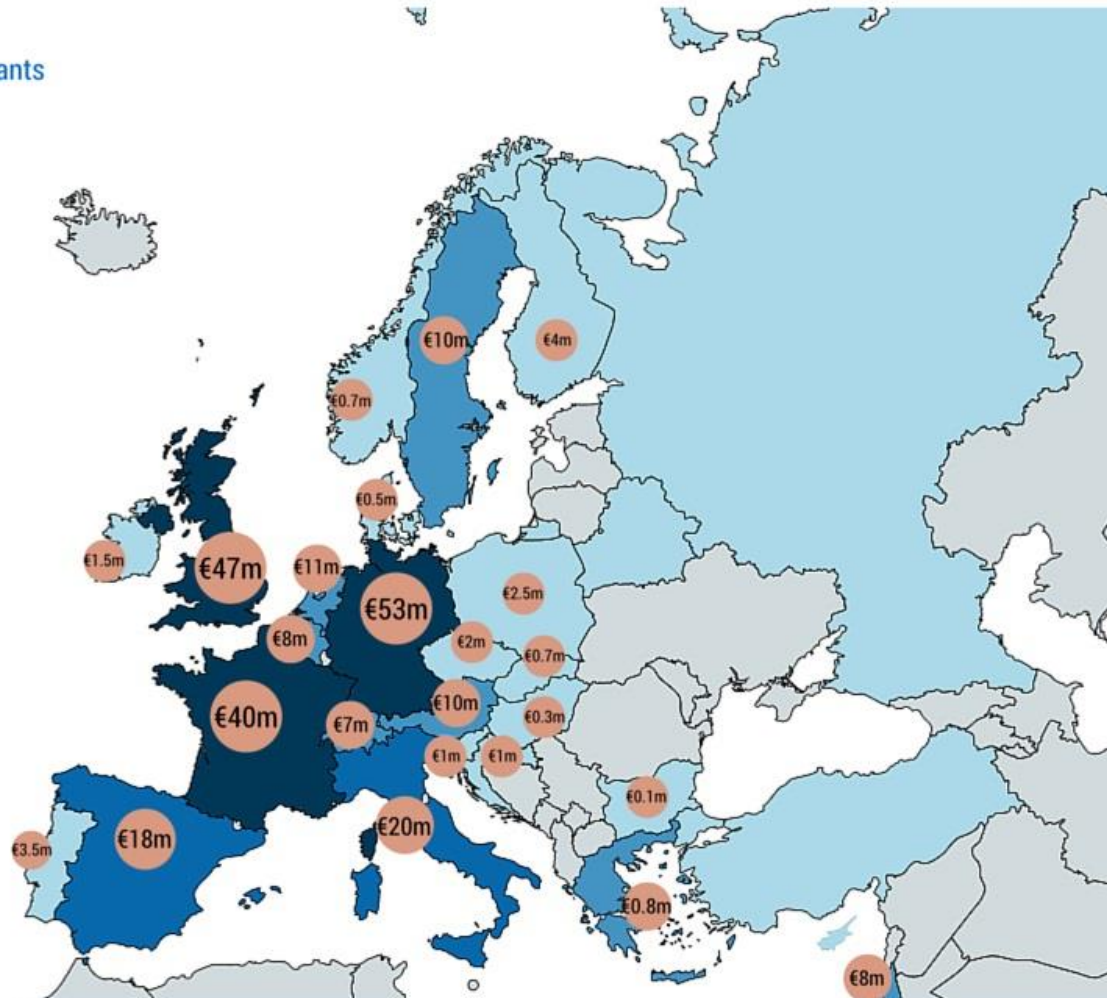
FETOPEN
FETPROACT
FETHPC
FETFLAG



Participation in H2020 FET projects**

FET funding*

& Number of Participants



* As of October 2015. 79 projects, some still in GA preparation

** If not indicated <€0.1m

Overview

- FET-Open
 - Research and Innovation Actions
 - Coordination and Support Actions
 - Innovation Launchpad
- FET Proactive



FET



FET-Open.

FET-Open : novel ideas for radically new technologies

“FET-Open is open!”

- 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

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

	FET-Open	259,5M*
FETOPEN-1-2016-2017	FET-Open RIA	84+84+84M*
FETOPEN-2-2016	FET-Open CSA	3M
FETOPEN-3-2017	FET-Open CSA	1,5M
FETOPEN-4-2016-2017	FET Innovation Launchpad	3M



Continuity with WP2014-15 – more than 50% budget increase



FET-Open Research and Innovation Actions

Early stages of R&I on any new technological possibility

Scope defined by FET gatekeepers

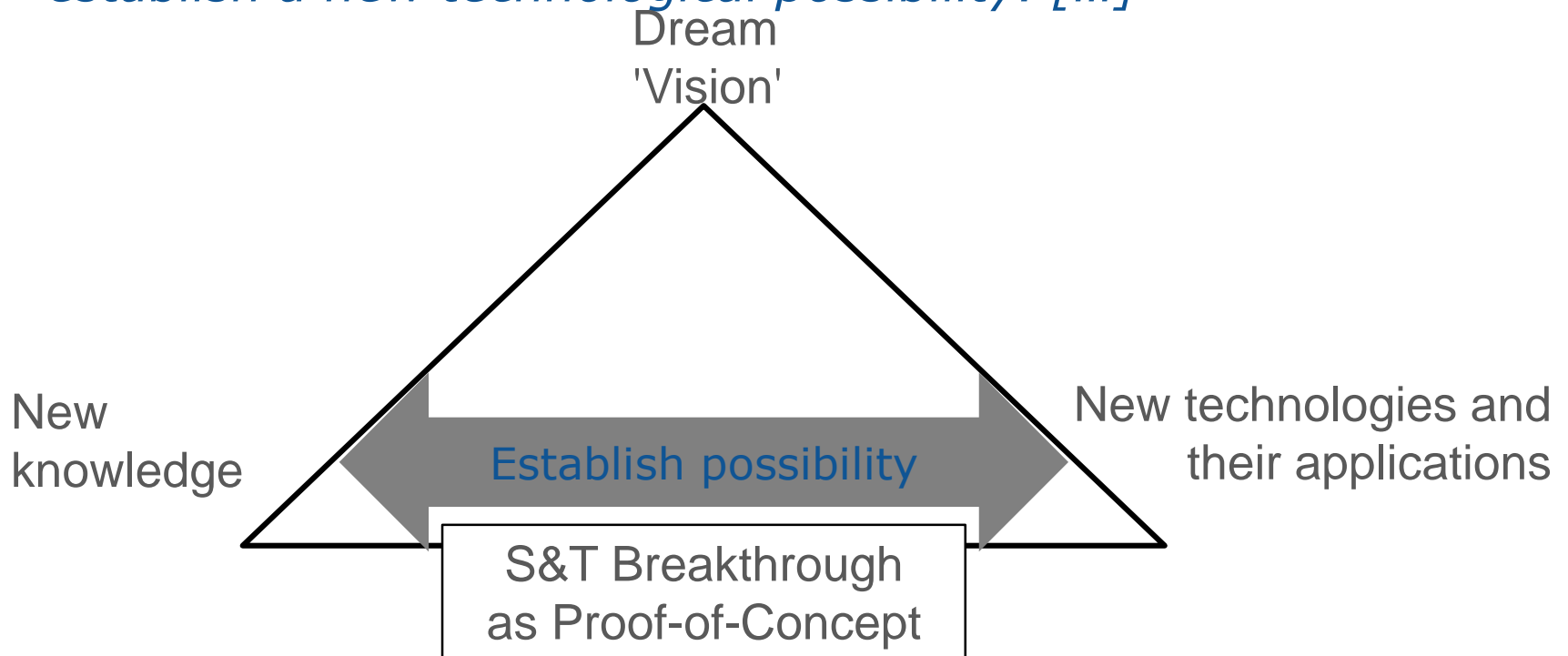
Expected impact

- **Establish baseline of feasibility and innovation potential**
- **European thought-leadership and future leaders**
- **New R&I practices**

FET-Open Research and Innovation Actions

Scope:

This topic supports the early stages of research to establish a new technological possibility. [...]



FET-Open Research and Innovation Actions



Technology Readiness Levels

- TRL 0: Idea.** Unproven concept, no testing has been performed.
- TRL 1: Basic research.** Principles postulated and observed but no experimental proof available.
- TRL 2: Technology formulation.** Concept and application have been formulated.
- TRL 3: Applied research.** First laboratory tests completed; proof of concept.
- TRL 4: Small scale prototype** built in a laboratory environment ("ugly" prototype).
- TRL 5: Large scale prototype** tested in intended environment.
- TRL 6: Prototype system** tested in intended environment close to expected performance.
- TRL 7: Demonstration system** operating in operational environment at pre-commercial scale.
- TRL 8: First of a kind commercial system.** Manufacturing issues solved.
- TRL 9: Full commercial application,** technology available for consumers.

Topic	Budget 2016 (€ Million)	Deadlines	Opening
FETOPEN-01-2016-2017 (RIA)	84.00	11 May 2016 17 Jan 2017 27 Sep 2017	8 Dec 2015
FETOPEN-02-2016 (CSA)	3.00	11 May 2016	8 Dec 2015
FETOPEN-03-2017 (CSA)		17 Jan 2017	20 Sep 2016
FETOPEN-04-2016-2017 (CSA)	1.20	29 Sep 2016 27 Sep 2017	1 Mar 2016

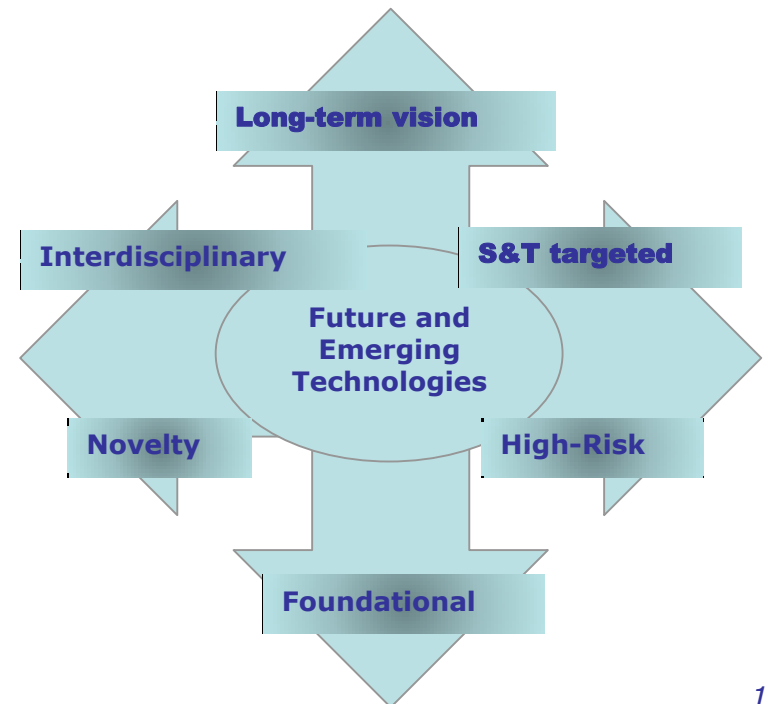
Total: 88.20

FET-Open Research and Innovation Actions

Scope:

[...] *Proposals are sought for **collaborative research with all of the following characteristics** ('FET gatekeepers'):*

- Long-term vision
- Breakthrough scientific and technological target
- Novelty

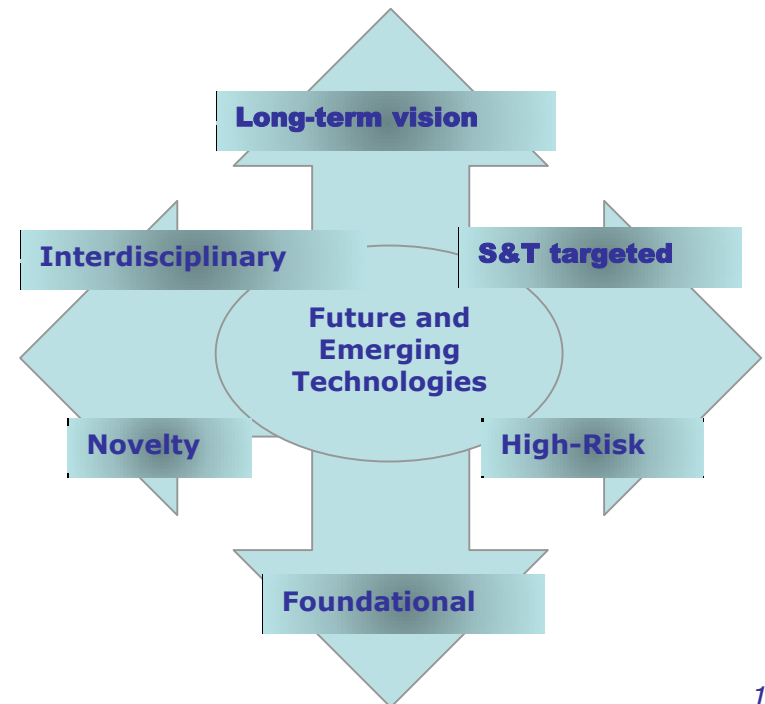


FET-Open Research and Innovation Actions

Scope:

[...] *Proposals are sought for **collaborative research with all of the following characteristics** ('FET gatekeepers'):*

- Foundational
- High-risk
- Interdisciplinary



FET-Open Research and Innovation Actions

Expected impact

- Establish baseline of feasibility and innovation potential
- European thought-leadership and future leaders
- New R&I practices

Conditions for the Call – FET Open

- **Single stage procedure**
 - Collaborative projects (RIA) up to 4M funding (indicative)
 - 1+15' pages
- **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**
- Grant Agreement Preparation (GAP) - **grant completely based on proposal** (no negotiation)



Composition of proposals

Part A: Administrative part of the proposal

Part B : Scientific part of the proposal

16 pages – core proposal

Cover page

Section 1: S&T Excellence

Section 2: Impact

Section 3: Implementation

Additional information

Section 4: Members of the consortium

E.g. legal entity, CV, subcontract, third party

Section 5: Ethics and Security

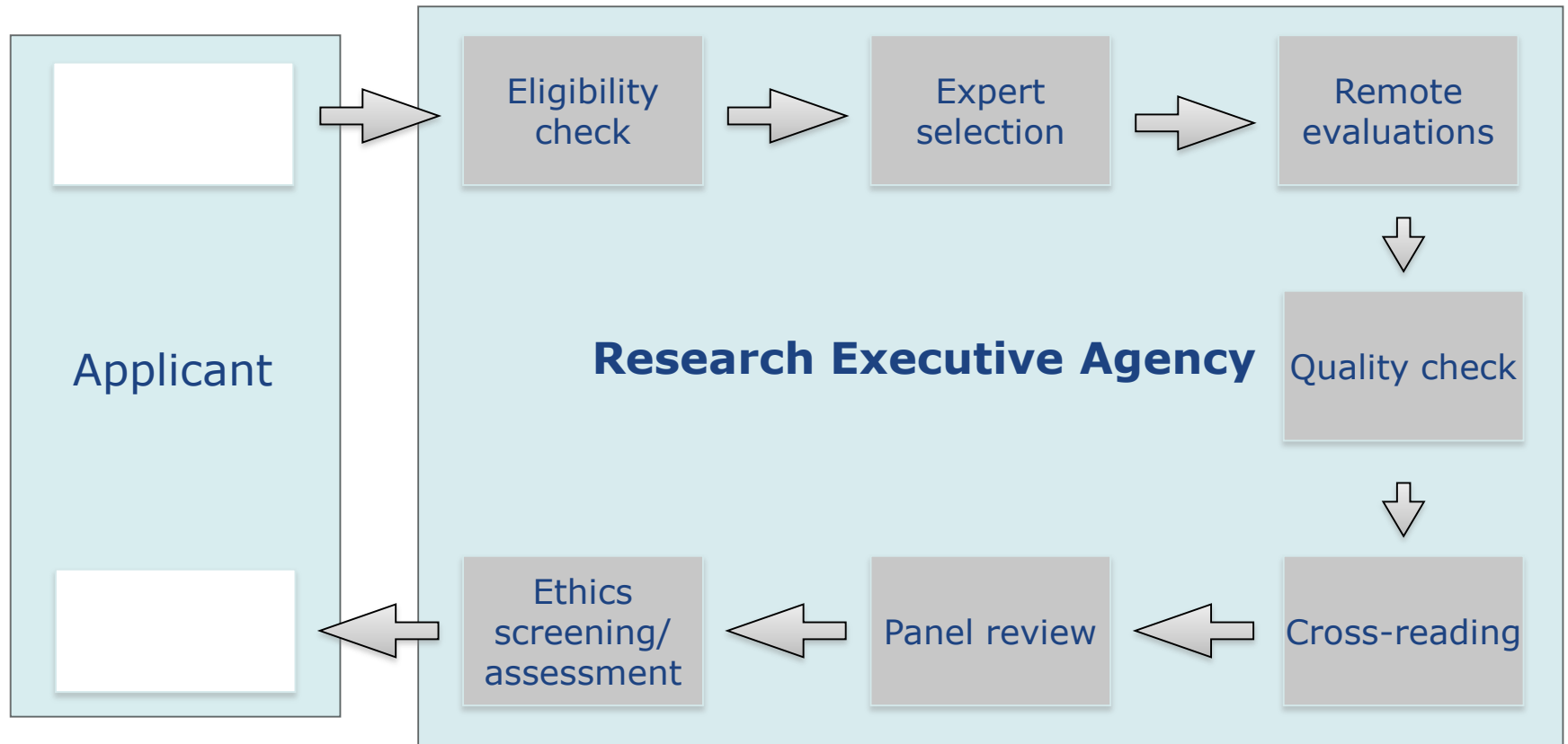
Ethics self-assessment & supporting documents

Security checklist

Cover page strictly limited to 1 page

Section 1,2 & 3 are strictly limited to 15 pages!

Section 4 & 5 are not covered by the page limit.



Evaluation criteria RIA



Excellence	Impact	Implementation
<ul style="list-style-type: none">□ Clarity and novelty of long-term vision, and ambition and concreteness of the targeted breakthrough towards that vision.□ Novelty, non-incrementality and plausibility of the proposed research for achieving the targeted breakthrough and its foundational character.□ Appropriateness of the research methodology and its suitability to address high scientific and technological risks.□ Range and added value from interdisciplinarity, including measures for exchange, cross-fertilisation and synergy.	<ul style="list-style-type: none">□ Importance of the new technological outcome with regards to its transformational impact on technology and/or society.□ Impact on future European scientific and industrial leadership, notably from involvement of new and high potential actors.□ Quality of methods and measures for achieving impact beyond the research world and for establishing European though leadership, as perceived by industry and society.	<ul style="list-style-type: none">□ 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: 4/5 Weight: 60%	Threshold: 3,5/5 Weight: 20%	Threshold: 3/5 Weight: 20%



Excellence

1. Clarity and novelty of long-term vision, and ambition and concreteness of the targeted breakthrough towards that vision.

- Is there a clearly defined long-term vision?
- Is there a clear description of the proposed breakthrough research? The breakthrough could be related to a problem that has resisted resolution for years and the proposal suggests a plausible idea for a solution
- Relevance of the targeted breakthrough for the long-term vision – it should be outlined how the breakthrough would lead to the long-term vision



Excellence

2. Novelty, non-incrementality and plausibility of the proposed research for achieving the targeted breakthrough and its foundational character.

- Is the research proposed novel? – it should be more than continuation of research going on for years
- Is the research proposed ambitious and far-reaching, not just another small incremental step along a path already being followed?
- Does the research proposed have a potential to start a new line of investigation, which can be followed for years and can lead to completely new technologies?



Excellence

3. Appropriateness of the research methodology and its suitability to address high scientific and technological risks.

- Is the analysis of the state-of-the-art comprehensive and complete?
- Relevance of the chosen methods for the achieving the project objectives

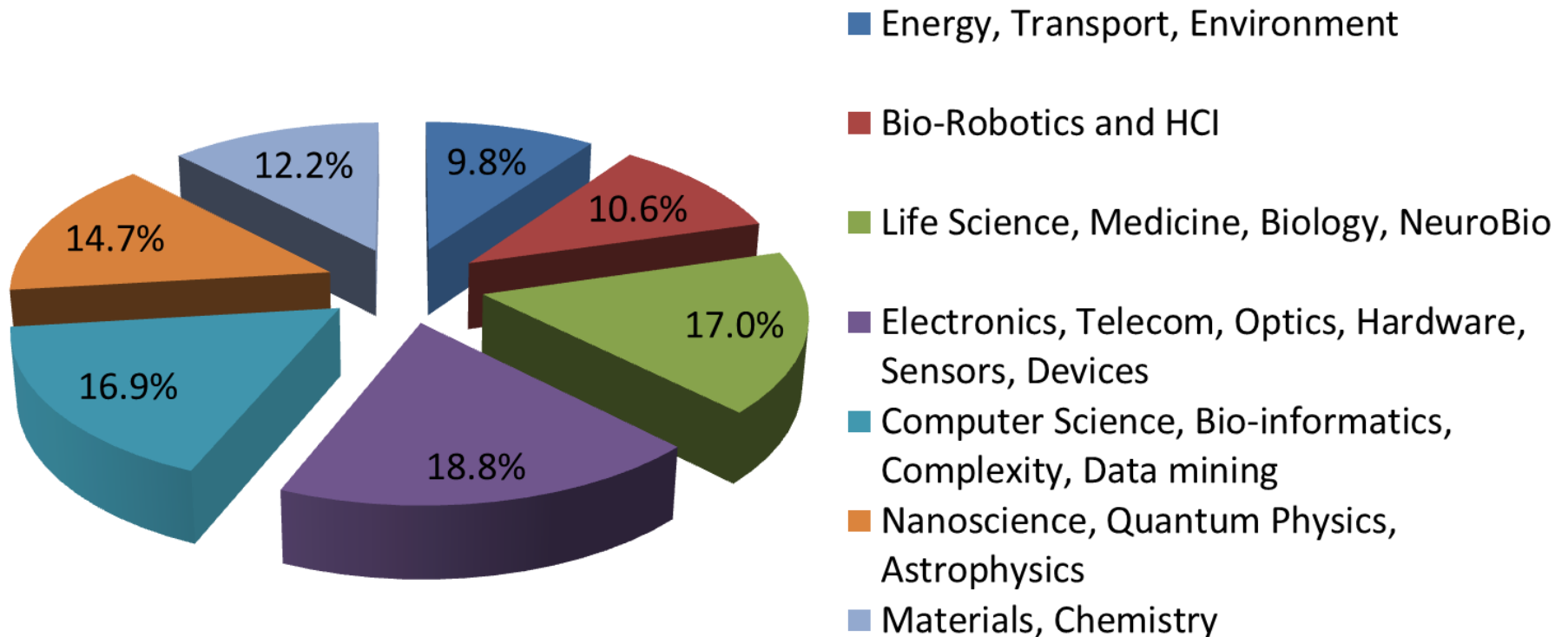


Excellence

4. Range and added value from interdisciplinarity, including measures for exchange, cross-fertilisation and synergy

- To what extent the main idea requires involvement of knowledge and methodology from different disciplines?
- How are these different disciplines intertwined and how the ideas from different disciplines support the scientific breakthrough?

Overview of topics covered*



*first cut-off in 2014: 640 eligible RIA proposals - 77M€ budget - success rate ~3,75%

Disciplines covered proposals submitted *

	ENG	CHE	PHY	MAT	SOC	LIF	ENV	ECO
ENG	663	216	281	77	103	268	74	25
CHE	216	274	220	10	5	186	42	1
PHY	281	220	328	22	9	133	24	2
MAT	77	10	22	28	13	39	11	8
SOC	103	5	9	13	39	26	7	15
LIF	268	186	133	39	26	417	32	4
ENV	74	42	24	11	7	32	57	5
ECO	25	1	2	8	15	4	5	6

*3 cut-offs in 2015-2016: eligible RIA proposals

Disciplines covered proposals funded*

	ENG	CHE	PHY	MAT	SOC	LIF	ENV	ECO
ENG	5	2	7	1	0	5	1	0
CHE	2	6	4	0	0	5	0	0
PHY	7	4	6	2	0	3	0	0
MAT	1	0	2	0	0	0	0	0
SOC	0	0	0	0	0	0	0	1
LIF	5	5	3	0	0	8	1	0
ENV	1	0	0	0	0	1	0	0
ECO	0	0	0	0	1	0	0	0

*3 cut-offs in 2015-2016: eligible RIA proposals funded



Impact

1. Importance of the new technological outcome with regards to its transformational impact on technology and/or society.

- Is the long-term technological outcome clearly defined?
- Is the transformational impact on technology, on society or on both convincingly argued?
- It is not sufficient to have just a scientific impact based simply on peer reviewed publications!



Impact

2. Impact on future European scientific and industrial leadership, notably from involvement of new and high potential actors.

- Are there young researchers in the consortium, especially principle investigators, who would keep up the research in a long run?
- Are there SMEs in the consortium with sufficient budget, who would take up the results from the project and would eventually carry them over towards innovation and market realization?
- Are there new actors, who are usually underrepresented in the specific tasks to be performed by the project (for example, is there a proper gender balance)?



Impact

3. Quality of methods and measures for achieving impact beyond the research world and for establishing European though leadership, as perceived by industry and society.

- Are the "standard" measures (scientific publications, website) properly described and planned?
- Does the proposal goes sufficiently far beyond the "standard" measures? For example, are there additional measures, based on new media included?
- 33 • Is it clearly explained how the dissemination measures would support achieving the expected impact?



Implementation

1. Soundness of the workplan and clarity of intermediate targets.

- Are the objectives specific, measurable, attainable, relevant, and time-bound (SMART)?
- Is there a clear description of work packages, project periods, tasks and deliverables?
- Are the intermediate targets (milestones) properly defined and timely?

It is very important to remember that the work plan, described in the proposal will become Description of action in case the proposal is selected for funding!



Implementation

2. Relevant expertise in the consortium.

- Is the expertise in the consortium of high enough quality in order to tackle all proposed tasks?
- Is the interdisciplinarity at the ideas level properly reflected in the composition of the consortium?
- Is the consortium well-balanced, without redundancies?



Implementation

3. Appropriate allocation and justification of resources (person-months, equipment).

- Do the person-months allocated correspond to the proposed tasks to be performed?
- Is the necessary equipment present or properly described and budgeted?



Additional important details on proposal preparation

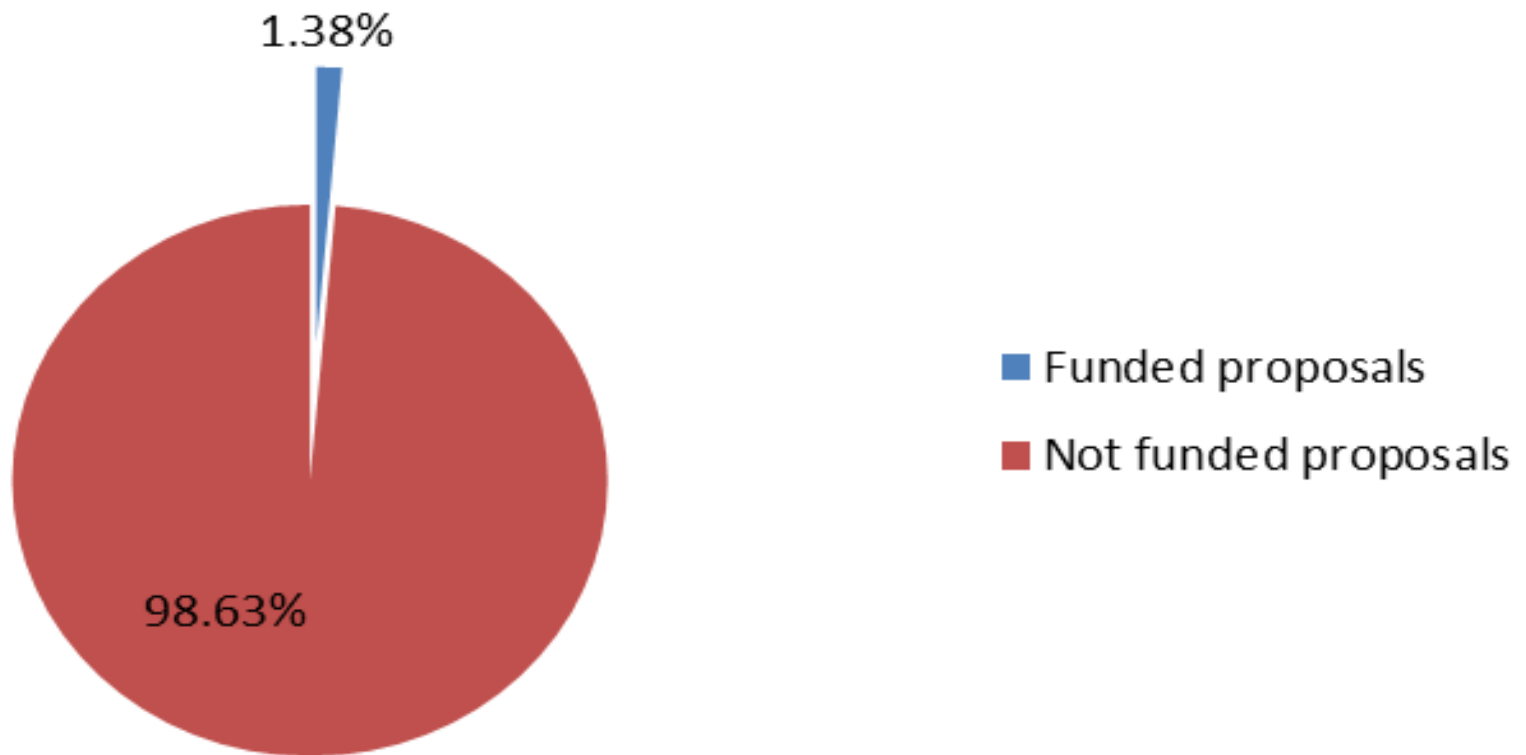
- Operational capacity – reflected in the score for Criterion 3
- In/out of scope – not in terms of topics; reflected in the scores for Criteria 1 & 2
- Ethics assessment – not part of the evaluation
- Horizon 2020 Open Research Data Pilot – not part of the evaluation but the participation in the pilot is very important in order to ensure maximal efficiency from the EC investments in research

Feedback to proposers - Evaluation Summary Report (ESR)

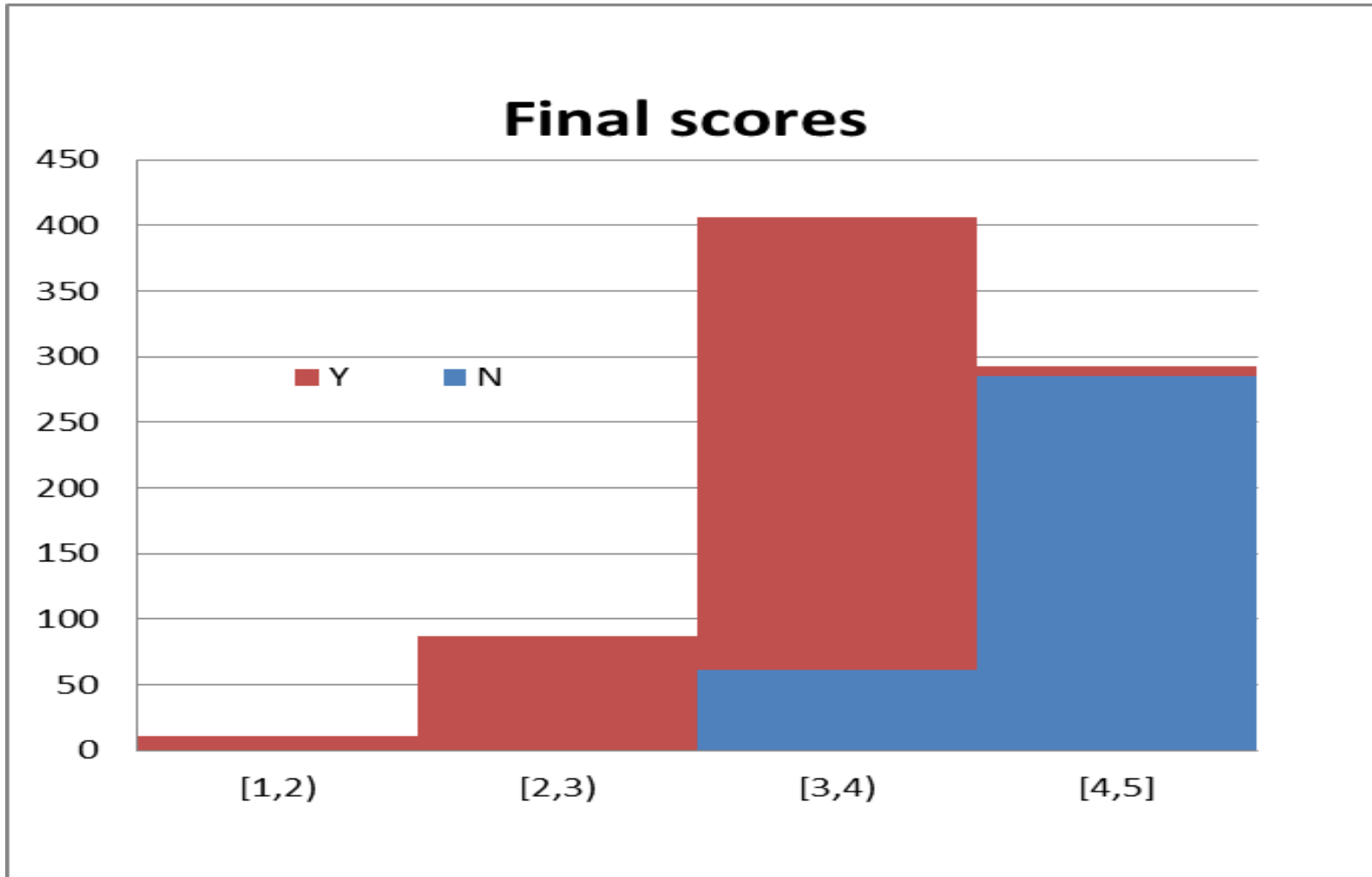
- **Collation of all evaluators' comments** , per sub-criterion, which may be mutually contradicting (no consensus) - full transparency
- Proposal score calculation (per criterion) - median of the scores from individual evaluators
- **Final score** per criteria is **decided by the final panel review**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

What percentage of proposals received funding?

Success rate



Did the proposals fulfil the expectations of the FET-Open call?



Some FET Open projects funded

- **2D-INK** is targeted at developing inks of novel 2D semiconducting materials for low-cost large-area fabrication processes on insulating substrates through a new methodology, which will exceed the properties of state-of-the-art graphene- and graphene oxide based inks. Achieving this would represent an important step forward in the processing of 2D semiconducting materials and will provide the key parameters for fabricating the next generation of ultrathin electronic appliances.

Some FET Open projects funded

- **ABIOMATER** will deliver a new class of metamaterials whose functionality can be controlled by external magnetic fields. The materials consist of micromotors, comprising an anisotropically “hard” and “soft” ferromagnetic particle pair embedded in a polymer matrix, and promise wide-ranging technological applications. The project will develop methods for incorporating the motors into elastic membranes (MEMs) that can be used to produce novel prototype devices.

Some FET Open projects funded

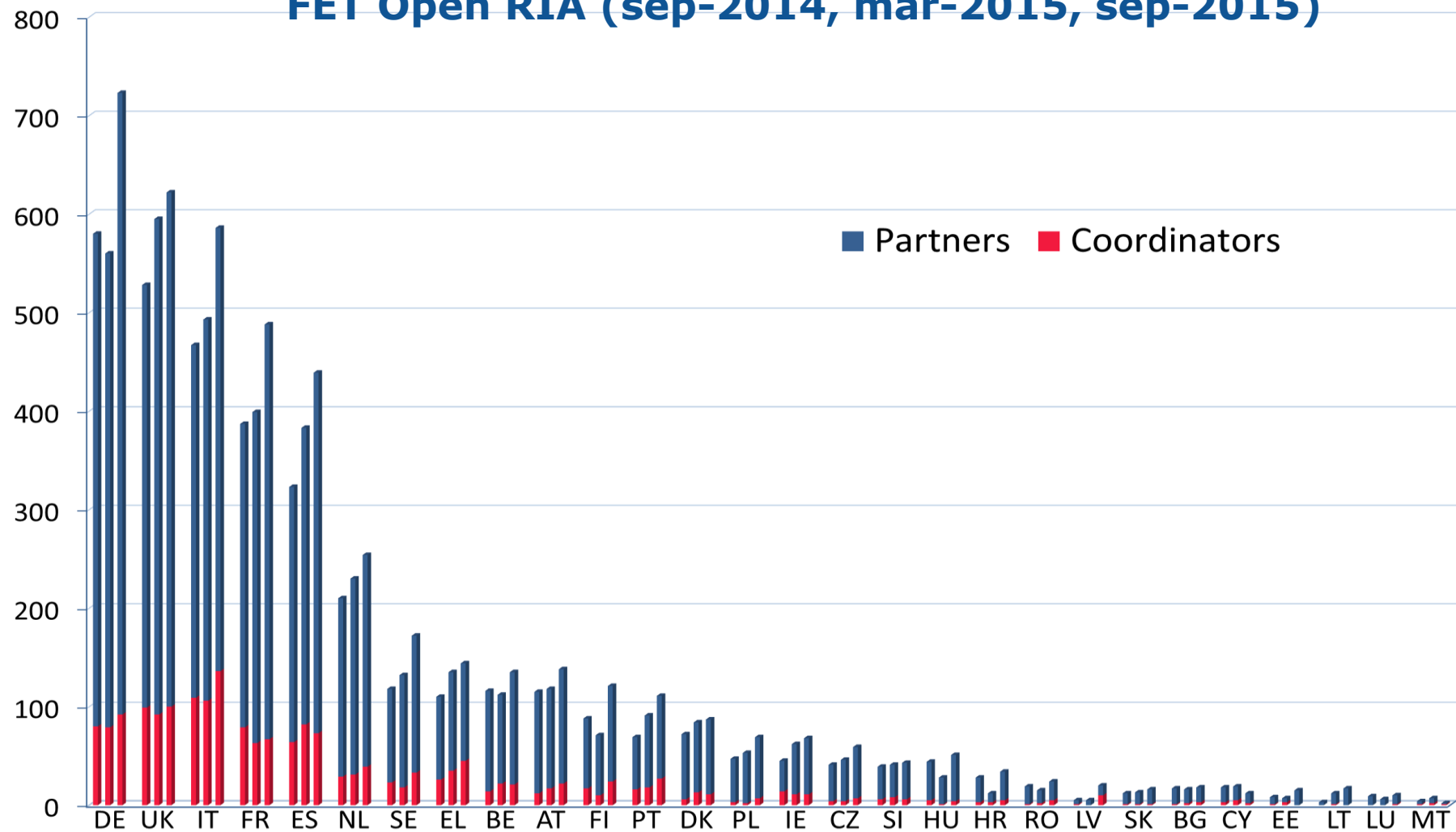
- **CHROMAVISION** aims to develop a pioneering chromosome imaging and manipulation platform that will fuel the next decades of structural chromosome research. The aim is to develop the Super-Resolution Correlative Tweezers Fluorescence Microscope that will for the first time enable 3D, super-resolution, real-time metaphase chromosome observation and manipulation studies under near-physiological conditions.

Some FET Open projects funded

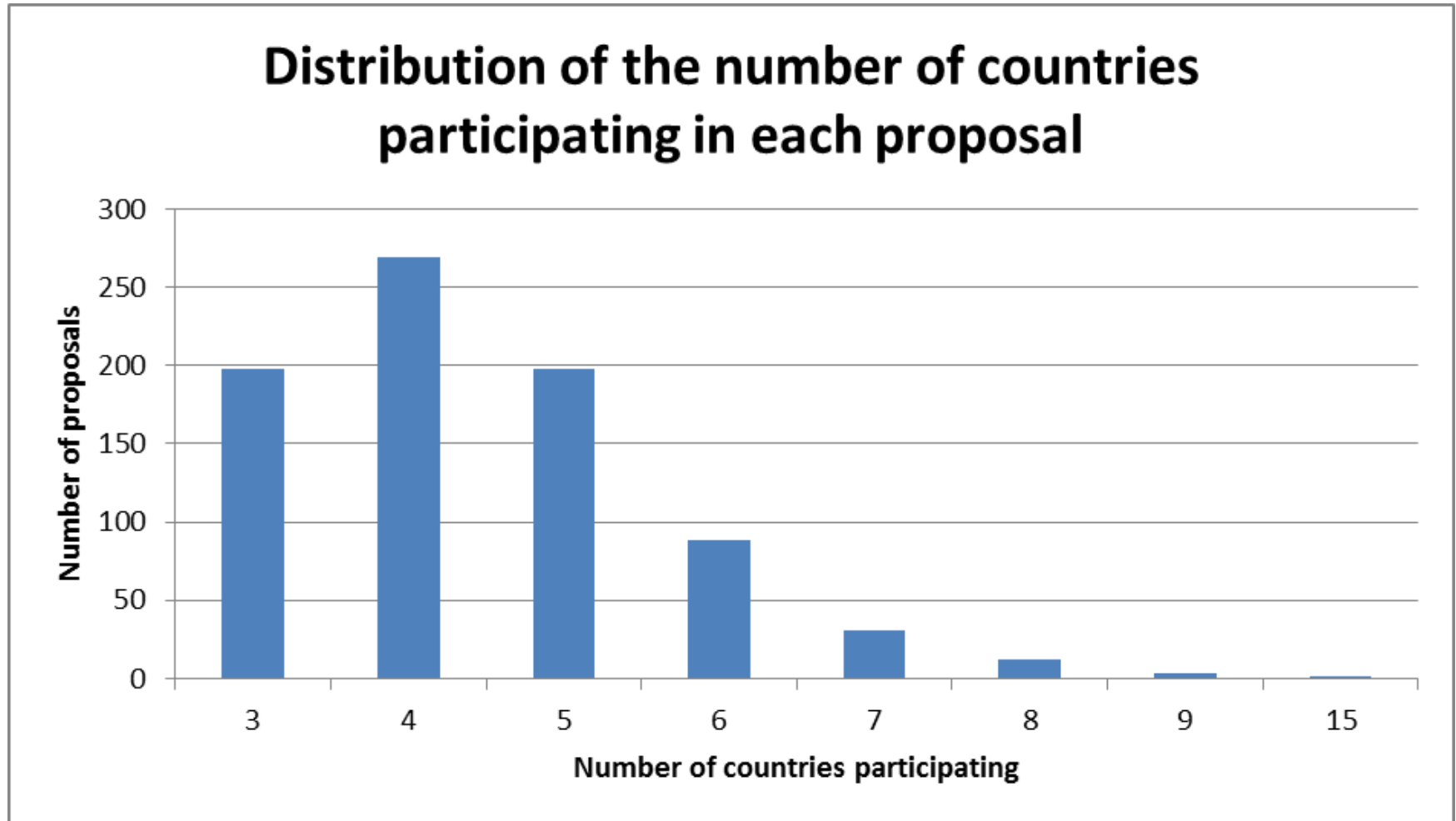
- **CONQUER** will explore a fundamentally new contrast mechanism with the potential to push magnetic resonance imaging (MRI) far beyond its limits towards a powerful molecular imaging modality. This will be achieved by exploiting the cross relaxation between ^1H and large quadrupolar nuclei (QN) for contrast agent design, based on bio-compatible QN compounds and nanoparticles.

EU members participation in submitted proposals

FET Open RIA (sep-2014, mar-2015, sep-2015)

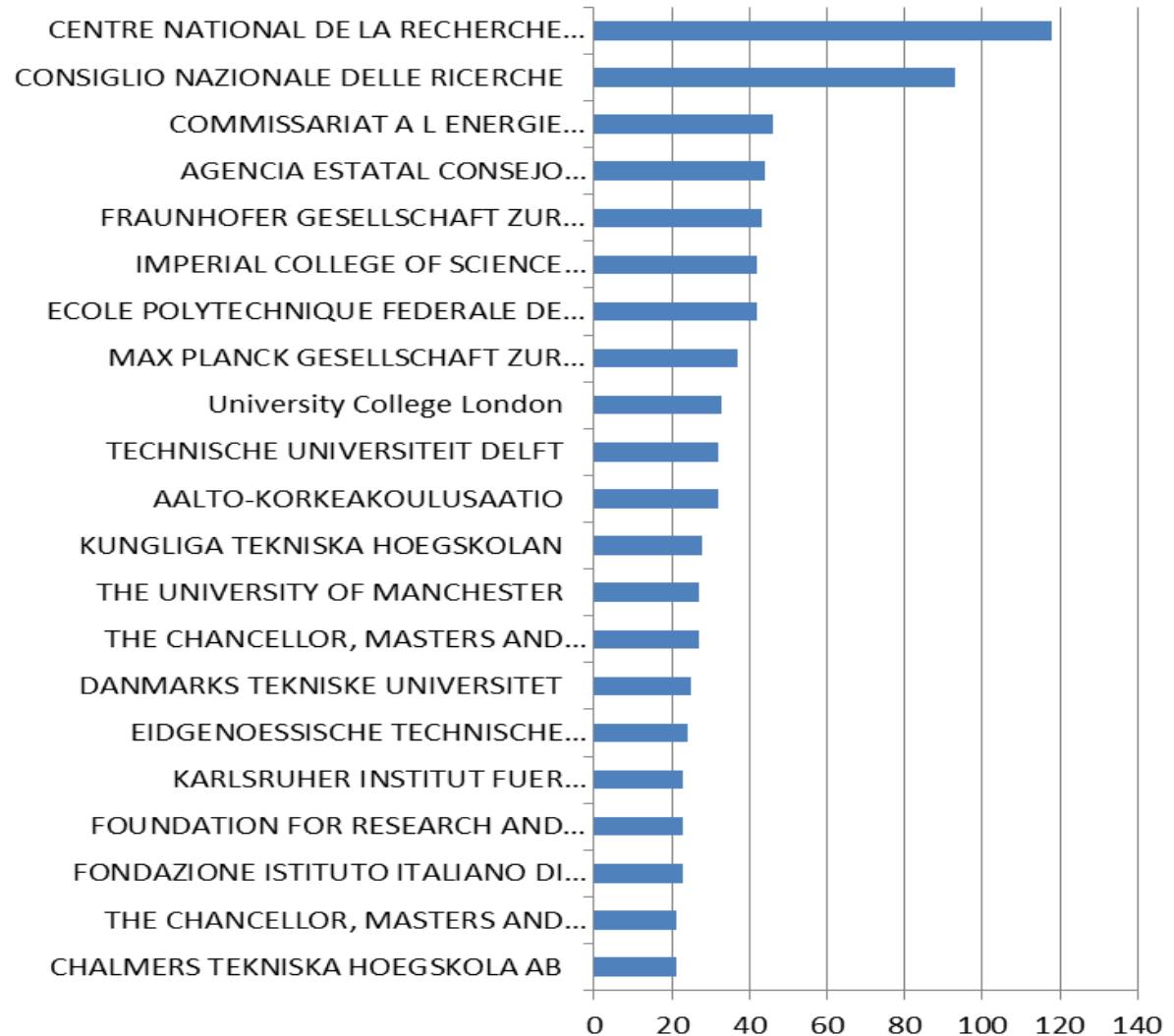


How many different countries participate in each proposal?

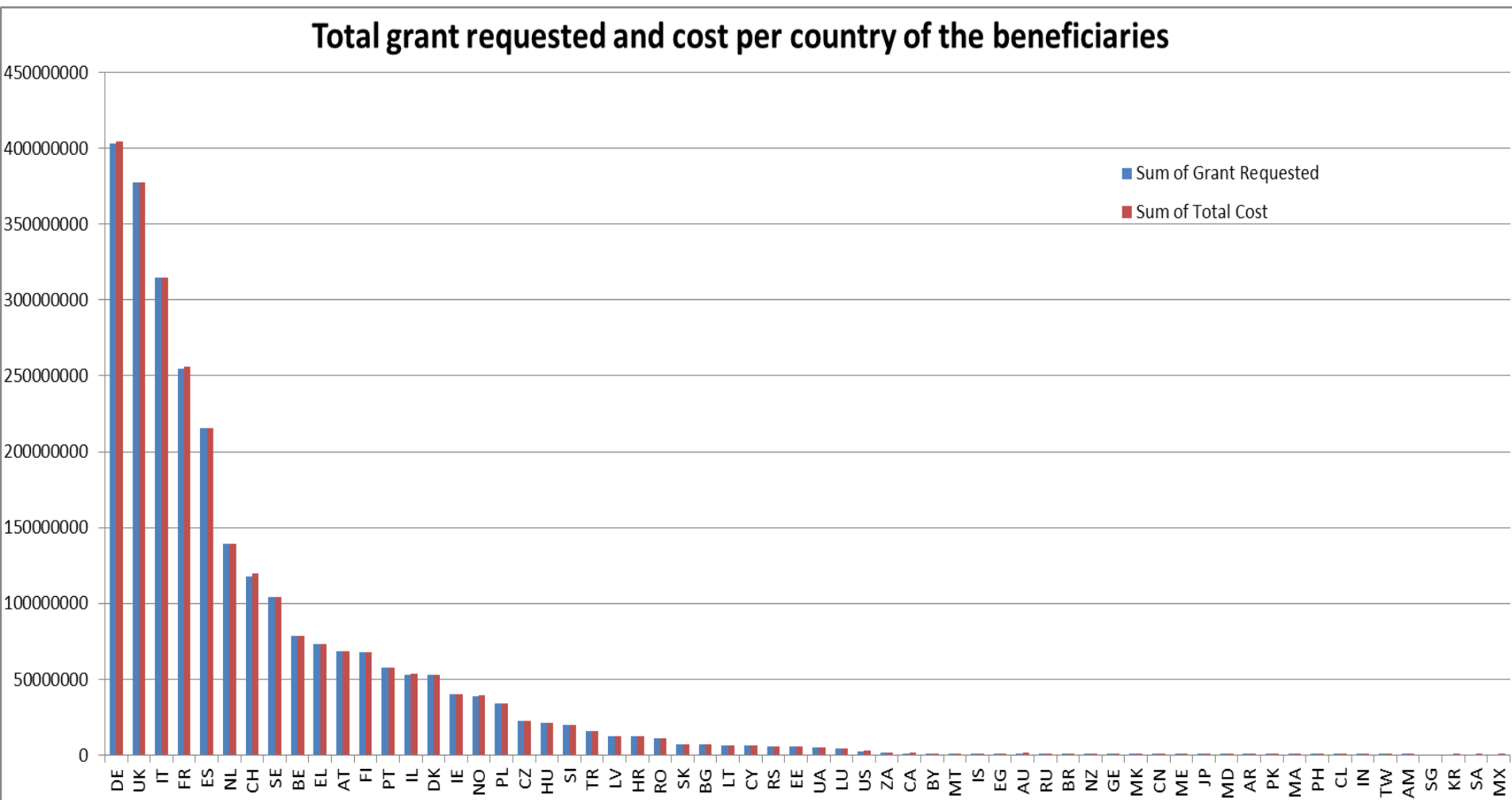


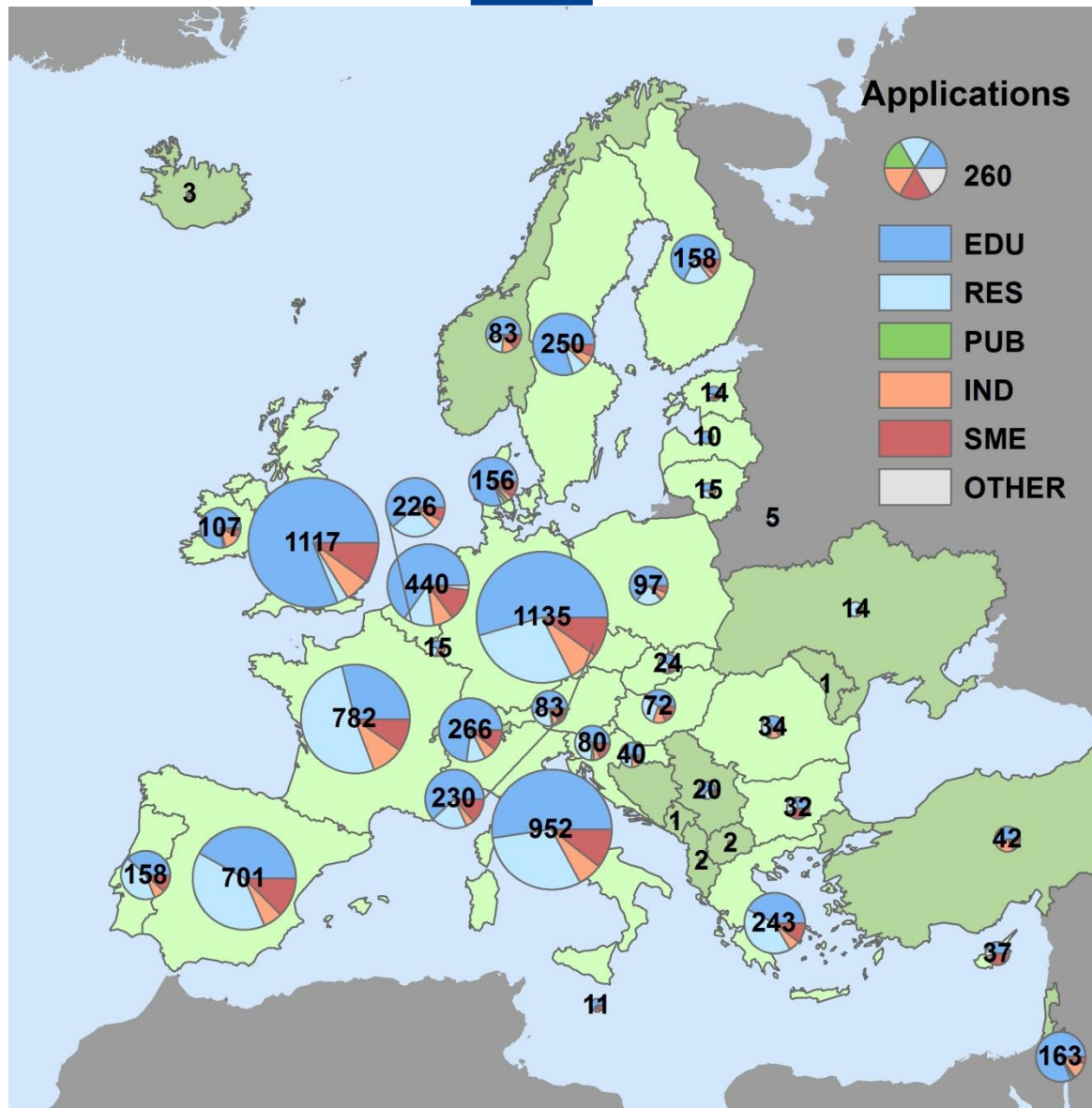
Which entities were involved in more proposals?

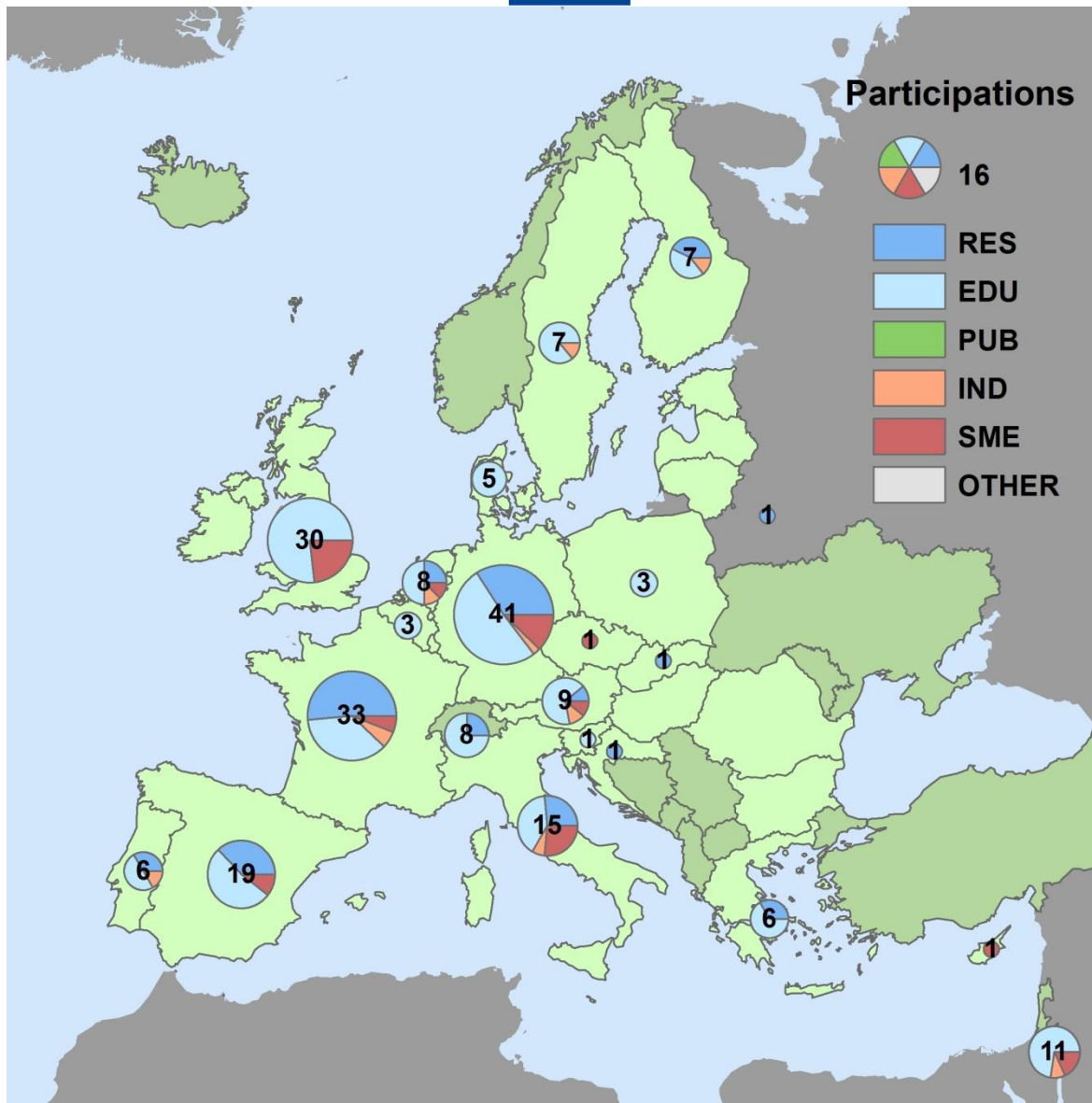
Entities participating in more than 20 proposals

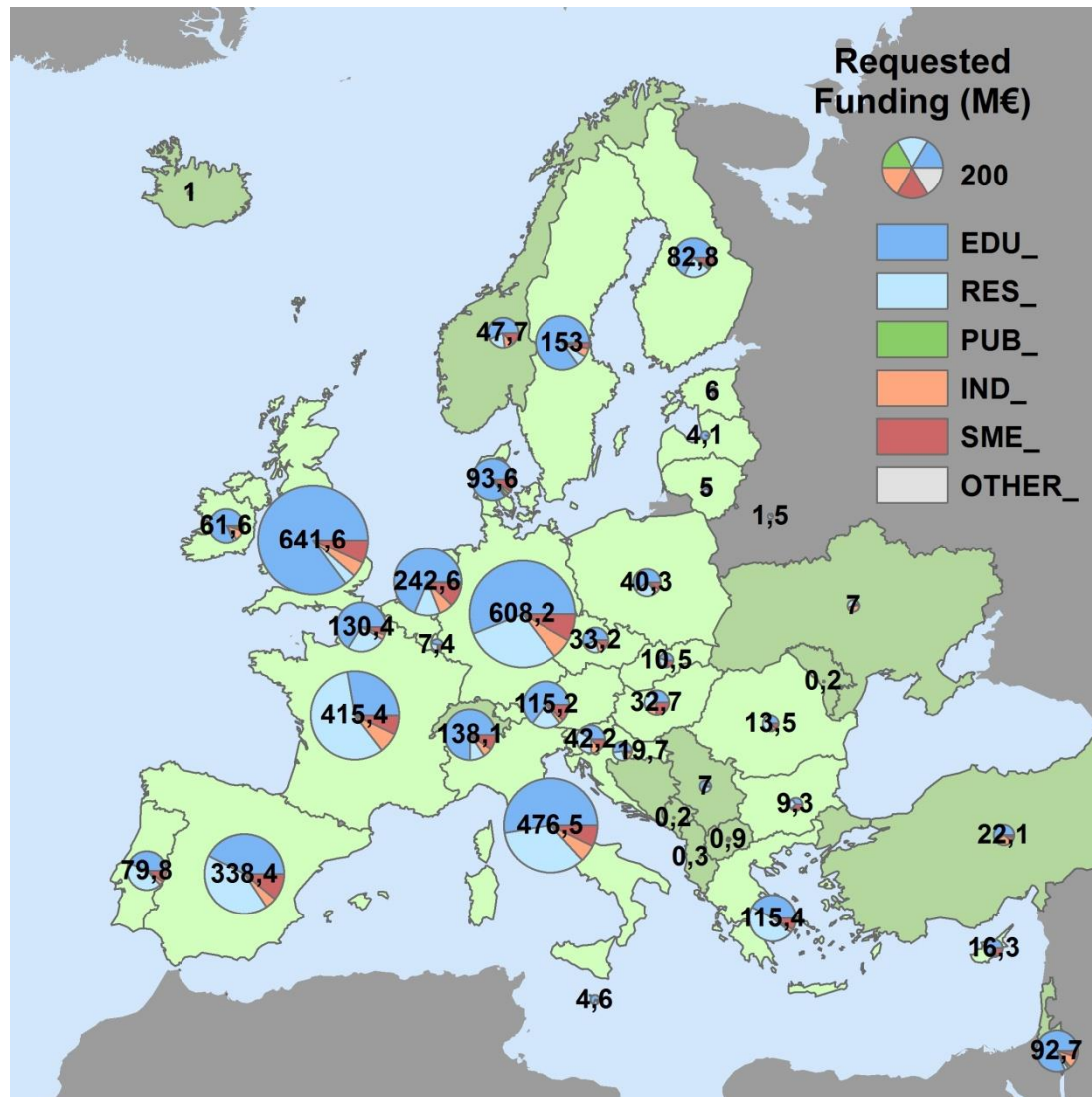


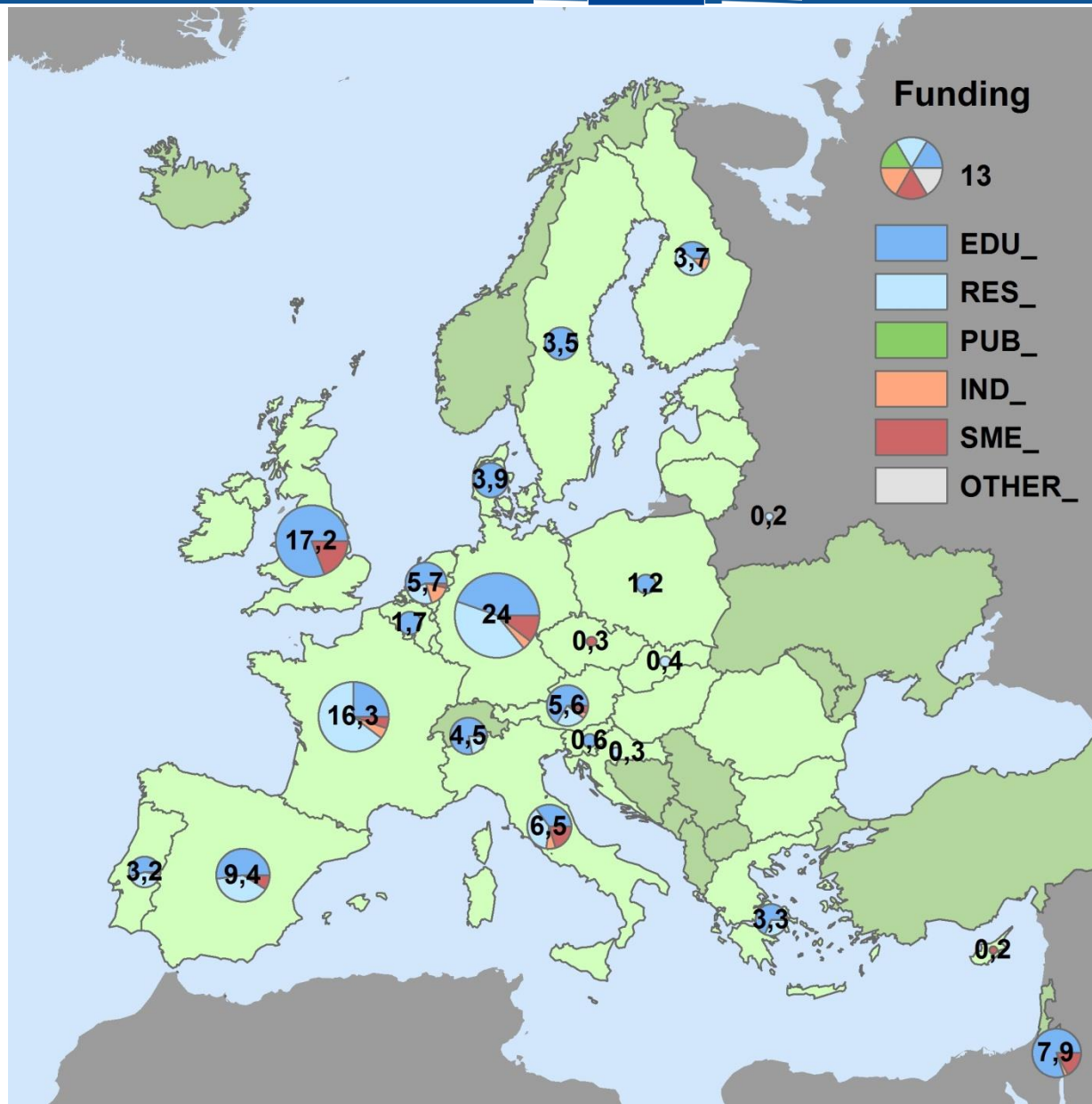
What is the requested grant per country?



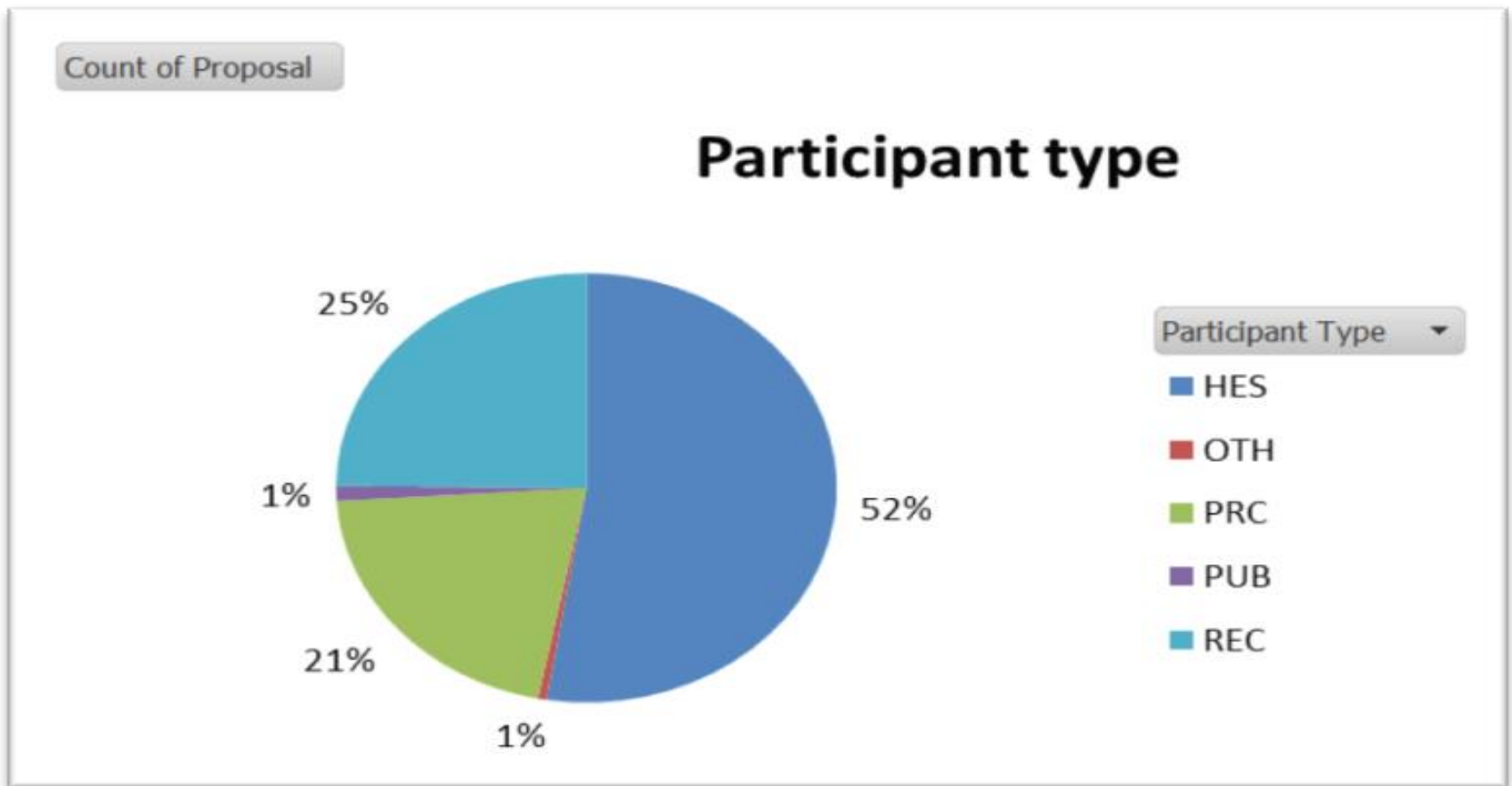






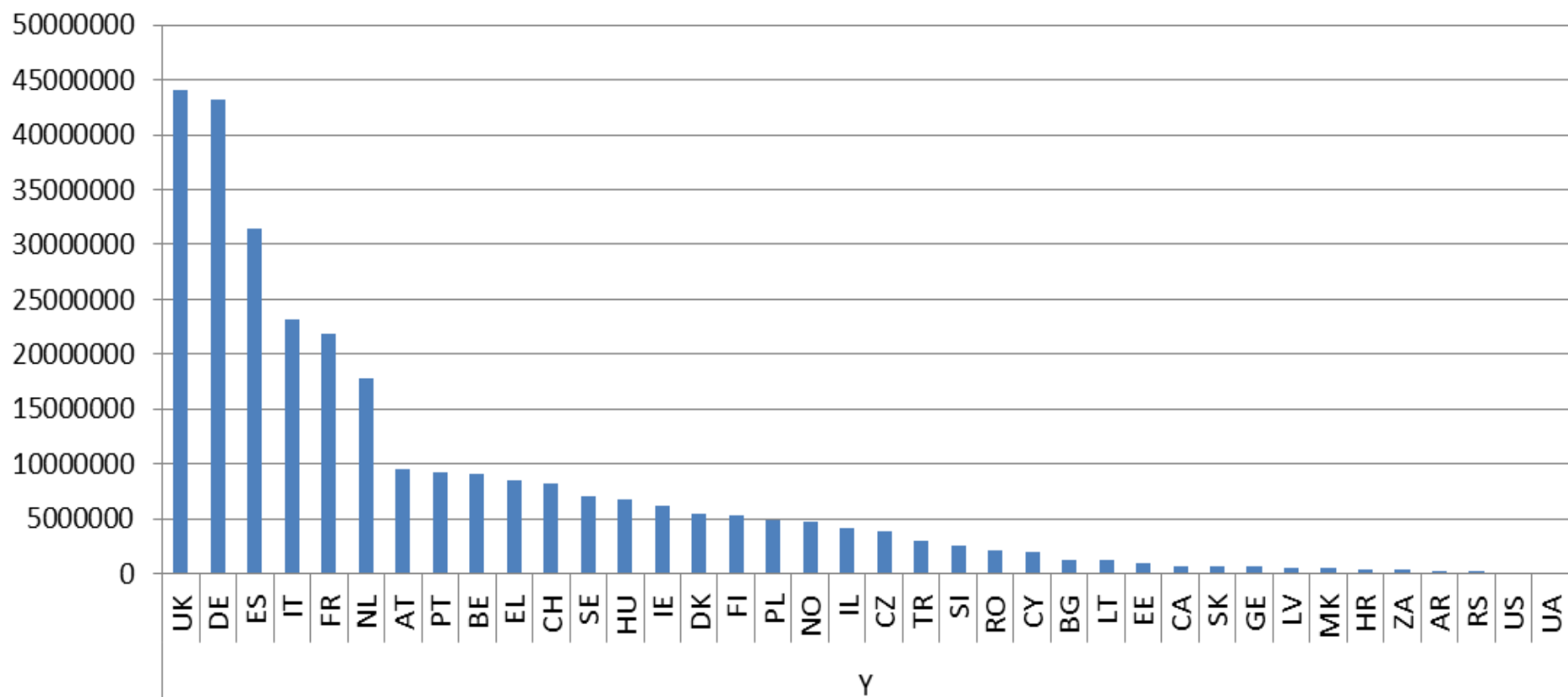


How did different types of organisations fare in terms of participation?



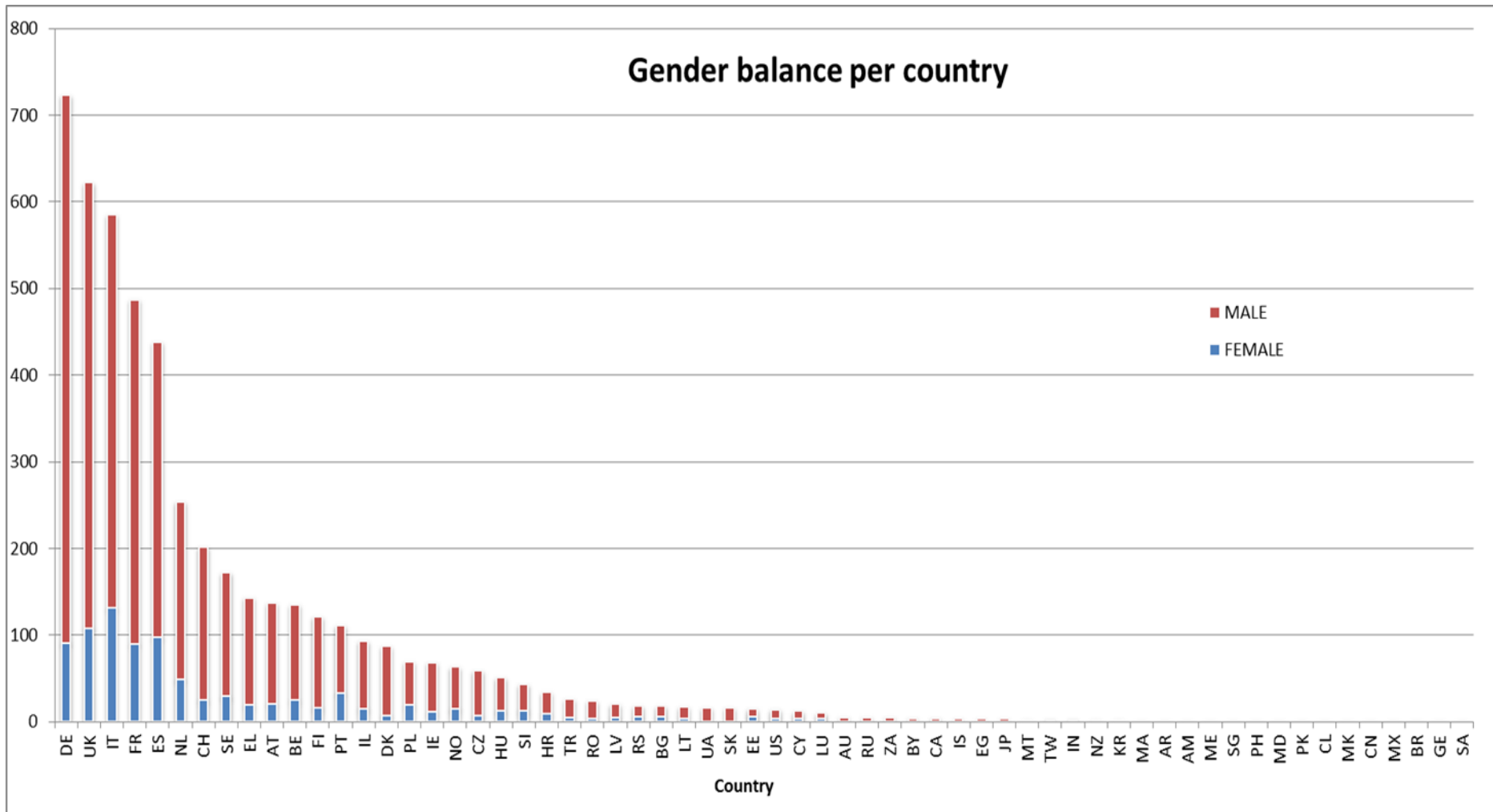
What about SME's?

Grant requested by SMEs per country



Gender balance

Gender balance per country



FET



FET-CSAs Conditions

FET-Open Coordination and Support Actions

Continuity with WP2014-15 with some new sub-topics

Specific Challenge: The challenge is to make Europe the best place in the world for collaborative research and innovation on future and emerging technologies that will secure and renew the basis for future European competitiveness and growth, and that will make a difference for society in the decades to come.

Coordination and Support Actions (CSA)

Single step submission

FET-Open Coordination and Support Actions

Scope

- FET Exchange – networking in future and emerging R&I areas [2016 and 2017]
- FET Communication – visibility and outreach [2016]
- FET Conference – 2018 [2016]
- FET Innovation Greenhouse – capacity for facilitating earliest stages of innovation from FET research [2016]
- FET Futures – looking for new topics and strategies [2017]



FET-Open Coordination and Support Actions

Scope

FET Communication: raising the visibility and impact of FET through novel and creative approaches for reaching out to various stakeholders and well beyond the research communities. This may include, for example, *collecting, aggregating and disseminating information from the entire range of FET projects and activities, and using an appropriate mix of channels and formats to engage with the target audiences, including scientists, students, media, policy makers, the business community and the general public.* This subtopic should include public engagement processes as discussed in the introduction of this FET Work Programme.

FET-Open Coordination and Support Actions

Scope

FET Conference: supporting the organisation of the fourth European Future and Emerging Technologies Conference and Exhibition (see for example <http://www.fet11.eu/>). The conference *shall showcase progress and results from FET research, attract high-tech SMEs, investors and entrepreneurs that might take FET results forward, seed new ideas across disciplines, foster a dialogue between science, policy and society on future and emerging technologies (through public engagement), explore new ways of combining research and innovation and involve high-potential actors that will make the difference.* Proposals will address pre-conference communication activities, the local organisation, participant assistance and post-conference follow-up. The event shall take place in early 2018.

FET-Open Coordination and Support Actions

Scope

FET Exchange: actions for structuring and strengthening an emerging FET-relevant science and technology research and innovation topic and the interdisciplinary communities involved in this topic. This may include, for example, *research roadmapping, stimulating (formal and informal) learning and exchange, expanding the range of disciplines (including the life sciences and humanities where relevant), involving new actors such as young researchers, entrepreneurs and high-tech SMEs, and broadening stakeholder engagement (multi-actor or citizen).*

FET-Open Coordination and Support Actions

Scope



FET Innovation Greenhouse: actions for establishing a Europe-wide capacity for innovation, exploitation and entrepreneurship stemming from the visionary, high-risk interdisciplinary science and technology research supported by FET. Greenhouse provides innovation support services to help bridging the gap between FET research and its application in industry and for society. The focus should be on *enabling the earlier creative and learning stages of innovation from FET research, for which the classical path of business plans and investors is still premature, many options are still open and a more exploratory, risk-friendly and tailored support is needed.* A wide technological scope, a strong specificity to FET and complementarity with existing greenhouse initiatives and innovation services are of prime importance. This subtopic also welcomes support to the actions funded under the FET Innovation Launchpad (FETOPEN-04-2016-2017) and for networking and exchange among them.

FET-Open Innovation Launchpad



New topic in WP2016-17

- **This topic aims at funding further innovation related work (i.e. activities which were not scheduled to be funded by the original project) to verify and substantiate the innovation potential of ideas arising from FET funded projects and to support the next steps in turning them into a genuine social or economic innovation.**

Coordination and Support Action

single step submission, '1+7' pages

Inspired by the successful ERC Proof-of-Concept (PoC) scheme



FET-Open Innovation Launchpad



Scope

- Short and focused actions (18 months indicative, 100K funding)
- Early innovation steps to improve market- and investor-readiness
- Based on results from an ongoing or recently finished FET project
 - Any FET-funded project (FP7 or H2020), ongoing or maximum a year from end-date of originating project to call deadline
- No additional S&T research
- Actions not foreseen in originating project
- No direct link needed with originating consortium
- Single participant possibility
- Assurance on necessary intellectual property rights and agreements to be stated in the proposal

FETOPEN-04-2016-2017



FET-Open Innovation Launchpad



Opening: 01 Mar 2016

FETOPEN-04-2016-
2017 (CSA)

1.20M Euro

1.80M Euro

29 Sep 2016

27 Sep 2017

Conditions for the Call – FET-Open

Topic	Budget 2016 (€ Million)	Budget 2017 (€ Million)	Deadlines	Opening
FETOPEN-01-2016-2017 (RIA)	84.00	84.00 84.00	11 May 2016 17 Jan 2017 27 Sep 2017	8 Dec 2015
FETOPEN-02-2016 (CSA)	3.00		11 May 2016	8 Dec 2015
FETOPEN-03-2017 (CSA)		1.50	17 Jan 2017	20 Sep 2016
FETOPEN-04-2016-2017 (CSA)	1.20	1.80	29 Sep 2016 27 Sep 2017	1 Mar 2016
Total:	88.20	113.80		

FET



FET-Proactive.

Call - FET Proactive – Boosting emerging technologies

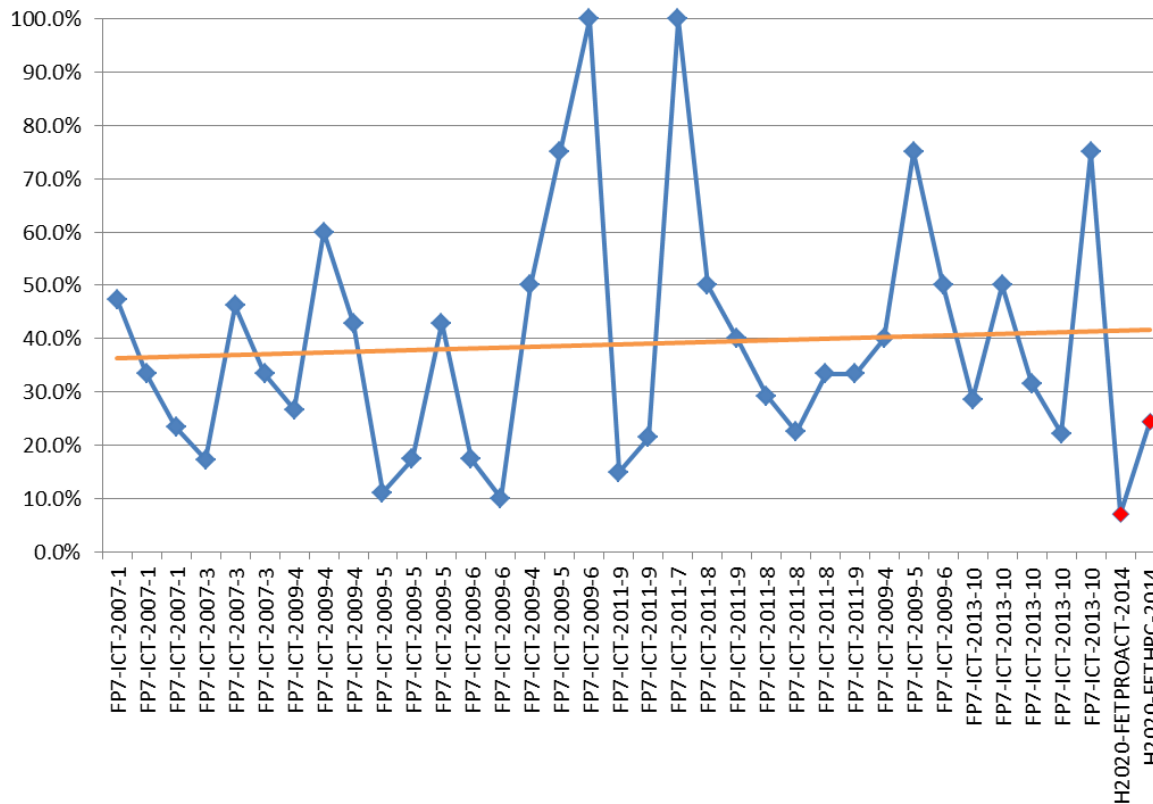
***FET Proactive** addresses promising directions for research on future technologies in order to build up a European critical mass of knowledge and excellence around them.*

	FET-Proactive – boosting emerging technologies	95M
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

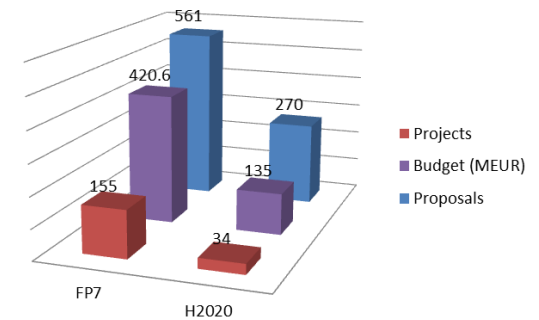


FET Proactive stats: FP7 & H2020

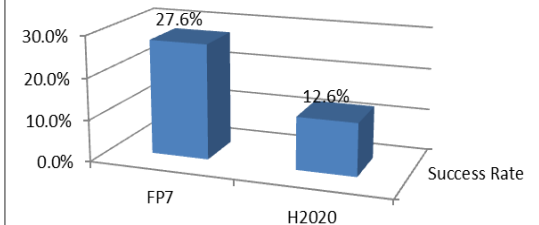
FET Proactive FP7 & H2020 Success Rate



Proposals, Projects, Budget: FP7 & H2020



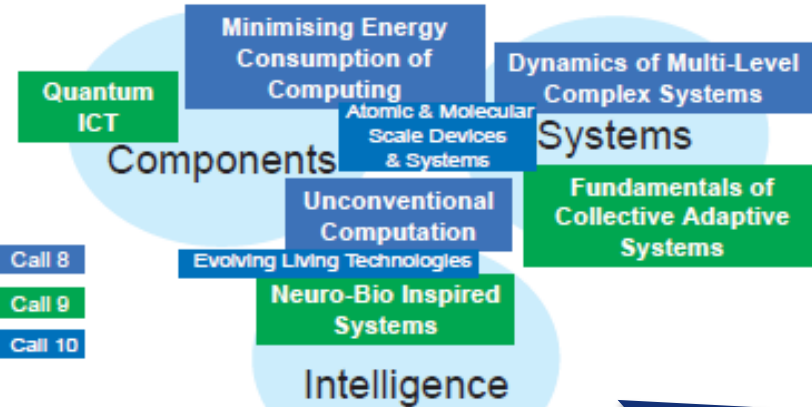
Success Rate: FP7 & H2020



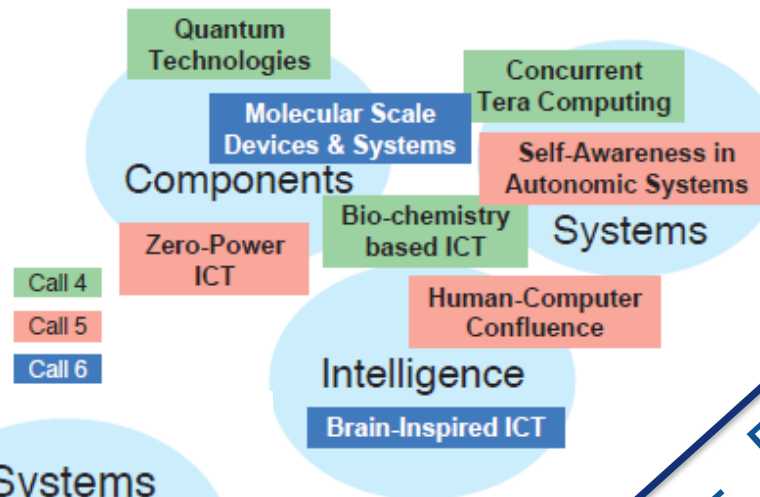


FP7 FET Proactive Initiatives: FP7

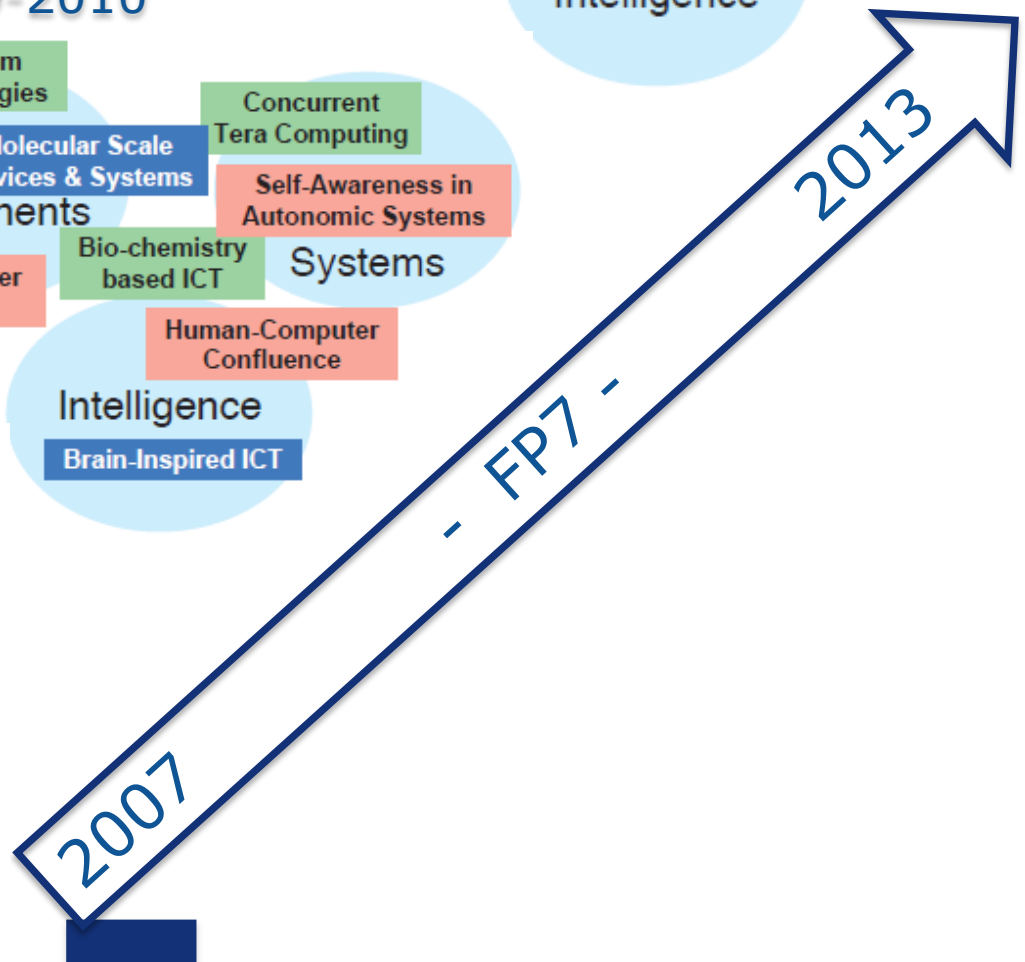
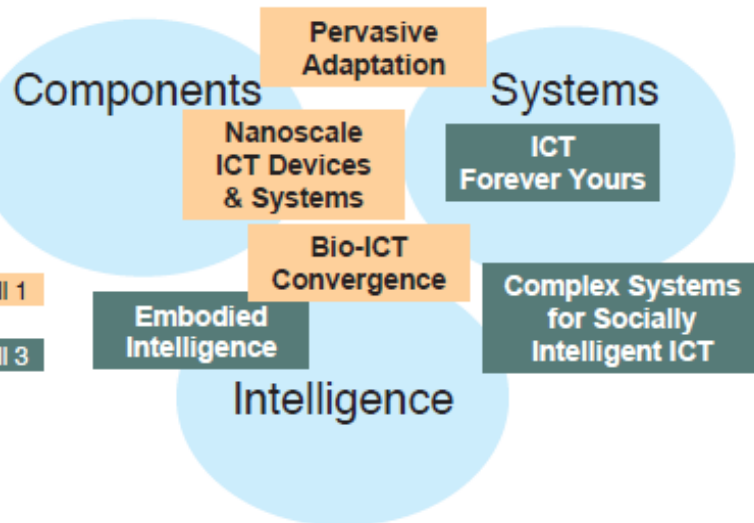
WP2011-2012 & WP2013



WP2009-2010



WP2007-2008



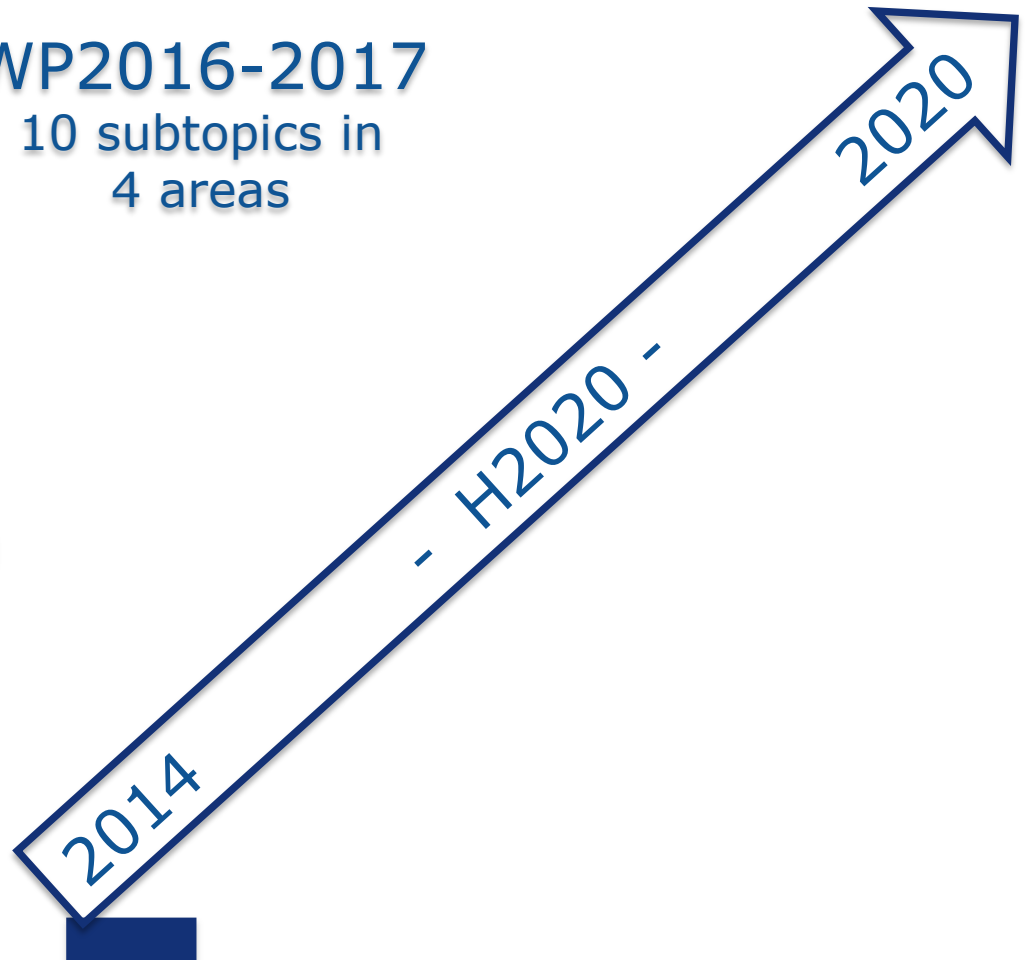
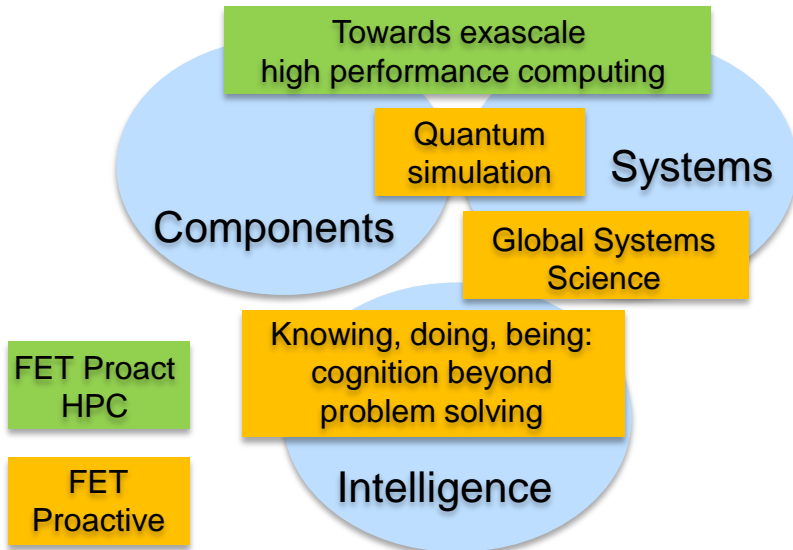


FP7 FET Proactive Initiatives: H2020

WP2018-2019
Public consultation

WP2016-2017
10 subtopics in
4 areas

WP2014-2015



FET-Proactive –emerging themes and communities

Scope: Proposals should address research and innovation activities, aimed at jointly exploring directions and options to establish a solid baseline of knowledge and skills, and to foster the emergence of a broader innovation ecosystem for a new technology as well as a fertile ground for its future take-up (e.g., through public engagement processes when relevant, or through formal and informal education). Proposals should address a single of the specific subtopics within one of the following areas:

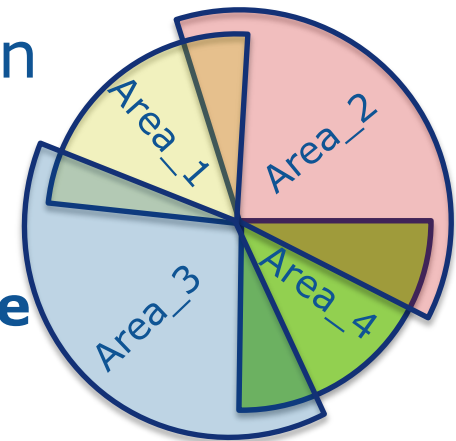
- **Area 1: Future technologies for societal change** 20 M
- **Area 2: Biotech for better life** 30 M
- **Area 3: Disruptive information technologies** 30 M
- **Area 4: New technologies for energy and functional materials** 20 M

Proactive: emerging themes and communities (80 MEUR)

Action: Research and Innovation Action (RIA)

10 subtopics organized in 4 areas

- **Future technologies for societal change (max 20 MEUR)**
- **Biotech for better life (max 30 MEUR)**
- **Area: Disruptive information technologies (max 30 MEUR)**
- **Area: New technologies for energy and functional materials (max 20 MEUR)**



E-mail: [**CNECT-FET@ec.europa.eu**](mailto:CNECT-FET@ec.europa.eu)

10 sub-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

Up to 80M max

WP 2016-2017 Call FET Proactive

FET Proactive – Boosting emerging technologies

- FETPROACT-01-2016: FET Proactive: emerging themes and communities
-80 mil, 12/04/2016
- FETPROACT-02-2017: FET ERANET Cofund
-5 mil, 24/01/2017
- FETPROACT-03-2016: FET ERANET Cofund in Quantum Technologies
-10 mil, 12/04/2016

FET-Proactive –emerging themes and communities

Expected Impacts

- **Maturing themes and structuring communities through jointly exploring options**
- **Emergence of a broader innovation eco-system for a new technology**

Larger projects: 4-10MEuro, up to 5 years (compare FET-Open: up to 4MEuro) addressing a single theme

Optional use of cascade funding (e.g., for prize)

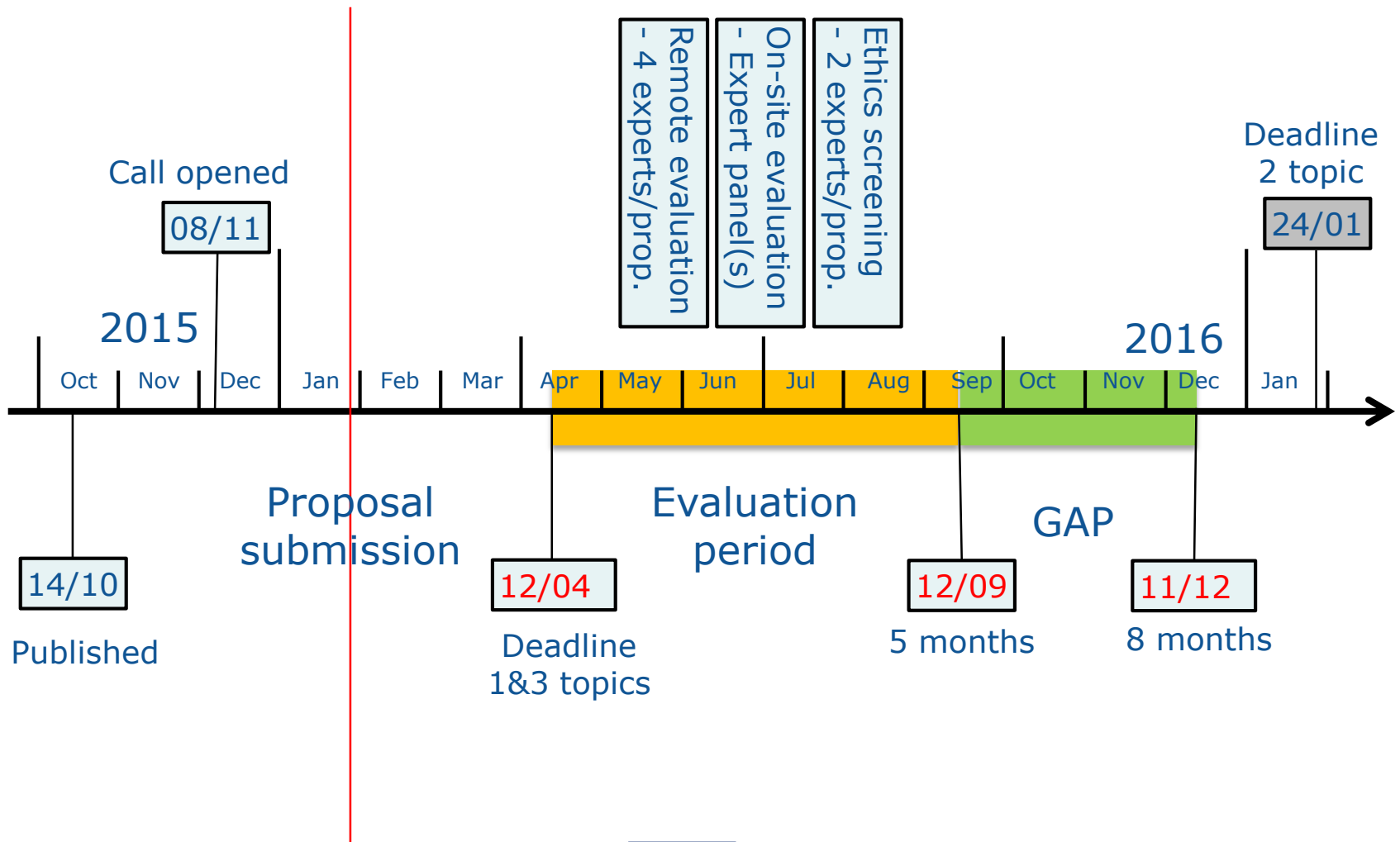
Single deadline, single step submission

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
Total:	90.00	5.00		



WP 2016-2017 Call FET Proactive



LOGIN

FUNDING SCHEME

CREATE DRAFT

PARTIES

EDIT PROPOSAL

SUBMIT

Step 3

Create a Draft Proposal

**H2020-FETPROACT-
2016-2017**



USER NAME

Ivica CUBIC



TOPIC

FETPROACT-01-2016



TYPE OF ACTION

RIA



DEADLINE (Brussels Local Time)

TUE
12

April 2016 17:00:00

78

days left until closure

Configuration OK



**Download Part B
Templates**



[Visit our 'How to' user guide](#)



[Visit our 'H2020 Online Manual'](#)



Create a Draft Proposal

Please enter the following information to create a draft proposal. Please note that fields marked with a star (*) are **mandatory**.

Your organisation

PIC* ?

Short name* ?

Search for your organisation PIC

Your Role

Please indicate your role in this proposal



Main contact



Contact person

Your Proposal

Please choose an acronym for your proposal. It will appear also in the "General Information" section of the submission form Part A and can also be updated there.



Proposal template

v20151116

Proposed length of the project (months)	RP1 duration (months)	RP2 duration (months)	RP3 duration (months)
60	18	24*	18
48	12	18	18
42	12	18	12
36	18	18	
30	12	18	
24	12	12	

1 page (cover) + **up to 30 pages** (sections 1-3)

Cover page

- **Title + acronym + abstract + list of participants**

Section 1 - Excellence

- **Relation to the WP -> indicate the WP subtopic (e.g. 1a, 2c)**

Section 2 - Impact

- **How a project will contribute to each of the expected impacts in the WP**
 - *Establish a solid baseline of knowledge and skills*
 - *Goal oriented community and true interdisciplinary collaboration*
 - *Emergence of an innovation system*
- **Describe the innovation potential and leadership**
- **Projects by default participate in the pilot on Open Research Data (the possibility to opt out of the Pilot provided a justification)**

Section 3 - Implementation

- **Indicative table for the RPs**
 - * for the grants > EUR 5 million **AND** RP > 18 months **add option** *Information on cumulative expenditure incurred in the GA*
- **min. half of public deliverables**
- **a website and logo as deliverable due by month 2**

☐ Remote evaluation

- 4 selected experts (briefing on the first day of evaluation)
- Every criterion will get a mark (1-5) and comment
- Median mark and concatenated comments per every criterion

☐ Panel(s) in Brussels

- Remote results will be discussed by a broader experts' panel(s)
- Final ranking & ties resolving

☐ Ethics screening

- ❑ 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.

- ❑ Establish a solid baseline of knowledge and skills for a future technology in the theme addressed.
- ❑ Goal oriented community structuring and true interdisciplinary collaboration.
- ❑ Emergence of an innovation ecosystem around a future technology in the theme addressed from outreach to and partnership with high potential actors in research and innovation, and from wider stakeholder/public engagement.
- ❑ 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.



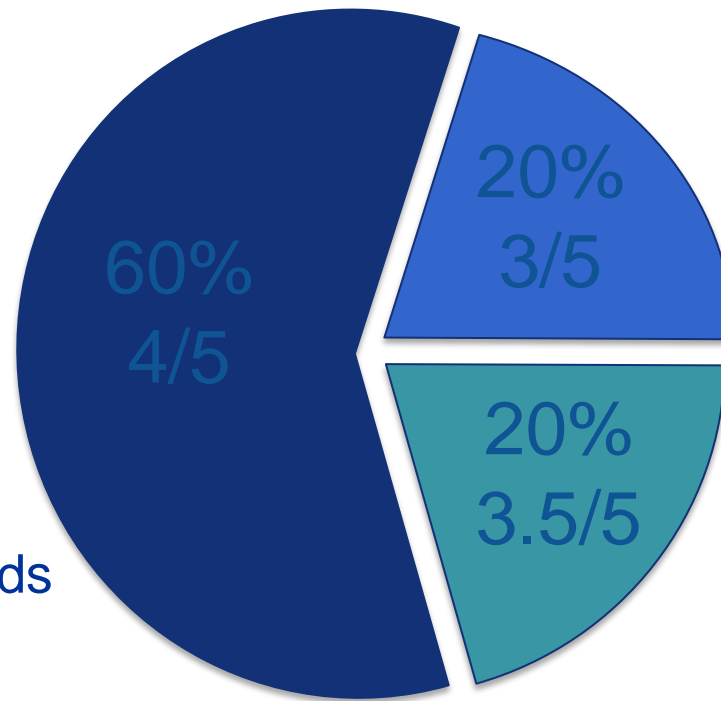
Implementation criterion

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

scoring and thresholds

Excellence

Clarity of target
Breakthroughs
Long-term vision
Novel
Foundational
Inter-disciplinary
Soundness of methods



Implementation

Detail of workplan
Expertise
Resource allocation

Impact

Technology outcome
Transformational
Leadership
Innovation potential



Grant Agreement Preparation (GAP)

- ☐ Result will be sent out within 5 months
- ☐ Invitations for grant agreement preparation
- ☐ Technical preparation of the grant agreement
 - Start date and reporting period
 - Proposer may address the Evaluation Summary Report (ESR) comments
 - There is a room and time only for small corrections and changes (in contact with the assigned project officer), nothing substantial
 - Track changes
 - Declaration of Honor signatures
- ☐ Final signatures of all partners



RESEARCH & INNOVATION

Participant Portal

European Commission > Research & Innovation > Participant Portal > FAQ

HOME

FUNDING OPPORTUNITIES

HOW TO PARTICIPATE

EXPERTS

SUPPORT ▾

Search PP



LOGIN



REGISTER

Frequently Asked Questions (FAQ)

Welcome to the new Participant Portal FAQ section.

Those pages are updated with the answers to the most frequent questions that have been submitted to the [Horizon 2020 Helpdesk](#), [IT Helpdesk](#), Call Coordinators and H2020 NCP correspondents.

12
Results

FETPROACT-01-2016

SEARCH

FREE TEXT SEARCH

Filter by CATEGORY

☐ Participant Portal roles and access rights

☐ Beneficiary registration and validation...

☐ Funding opportunities, calls

☐ Proposals submission and evaluation

☐ Ethics and research integrity

☐ Grant preparation and

Q. [Do you expect a single proposal for each of the 10 subtopics under the "FET Proactive: emerging themes and communities" \(FETPROACT-01-2016\) call topic, or multiple proposals?](#)

A. Proposals submitted for one of the 10 subtopics in "FET Proactive Emerging Themes and Communities" (FETPROACT-01-2016) will be competing for funding with all other proposals submitte...

Q. [What if my proposal for FETPROACT-01-2016 addresses somehow 2 related subtopics?](#)

A. In your proposal you should indicate clearly a single of the 10 subtopics that is targeted by your proposal. Otherwise the proposal will be either declared out of scope (and not eval...

Q. [Should my proposal to the FETPROACT-01-2016 topic cover the entire subtopic?](#)

A. The subtopics are broadly described. A proposal is expected to propose a coherent package of technological enquiry that fits within that description. When a proposal brings together ...



ERANET Cofund in Quantum Technologies (10 MEUR)

This topic is only for organisations responsible for research funding programmes.

All partners in a proposal must be either research programme owners (eg government ministries) or managers (funding agencies, research councils etc).

Proposals received which do not satisfy these criteria will be declared ineligible and not evaluated.

If you represent a research funding organisation, are interested in this topic and not already involved in a proposal then please email

CNECT-FET@ec.europa.eu

as soon as possible.

Thanks for your attention!

H2020 website:

<http://ec.europa.eu/programmes/horizon2020/>

Participant portal:

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

Raquel.fernandez-horcajada@ec.europa.eu

Thanks for your attention!

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

