

# Future and Emerging Technologies (FET)



***Resultados participación española en FET***

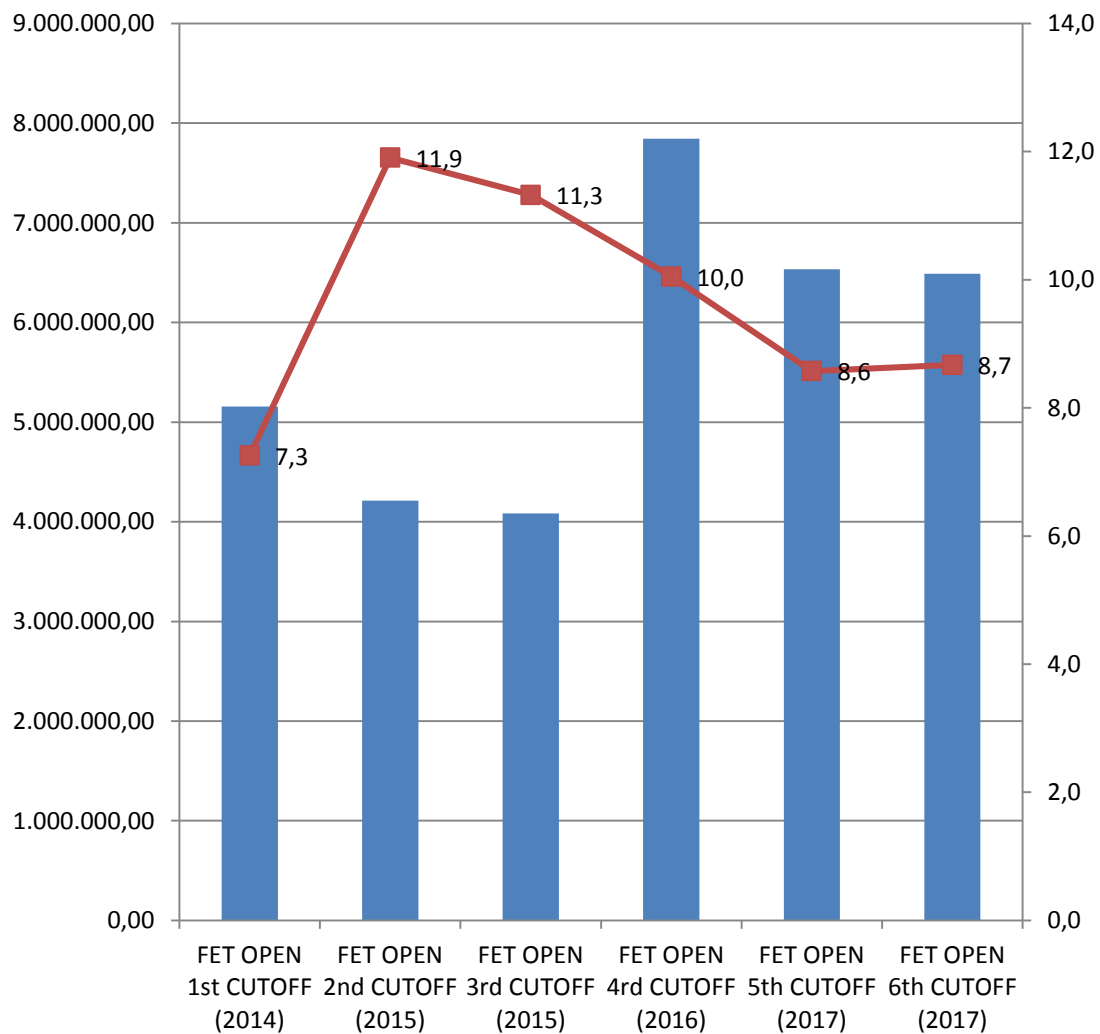
***Nicolás Ojeda – NCP/Representante CP FET***



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# FET OPEN RIA WP 2014/15 y WP 2016/17

## Resultados entidades españolas



**Sept 2014: 7,3 % UE28 – 4º**

**Marzo 2015: 11,9% UE28 – 3º**

**Sept 2015: 11,3% UE 28 – 3º**

**Mayo 2016: 10% UE 28 – 4º**

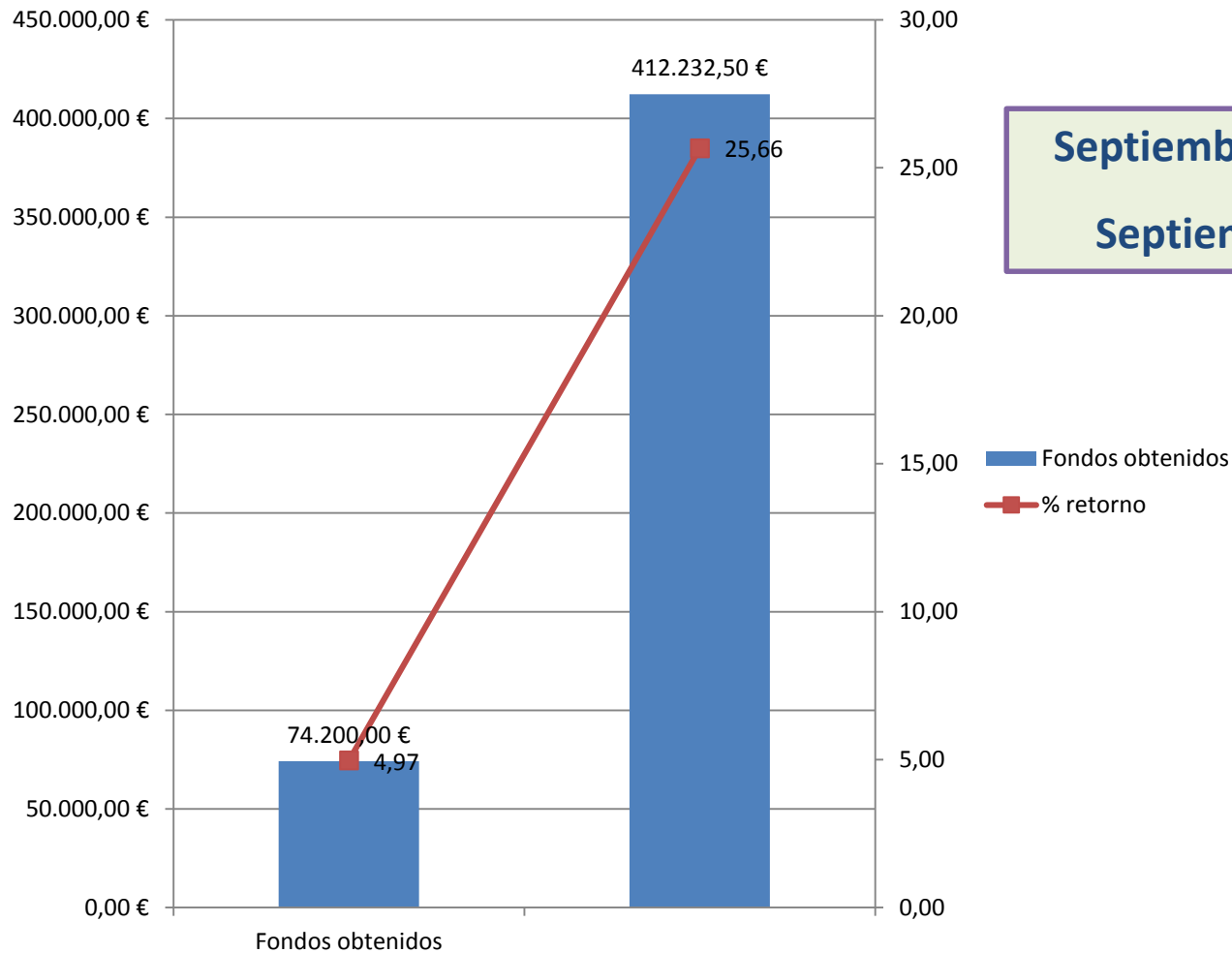
**Enero 2017: 8,6% - 5º**

**Septiembre 2017: 8,7% - 6º**

■ Fondos obtenidos  
 ■ % retorno

# FET OPEN CSA Innovation Launchpad

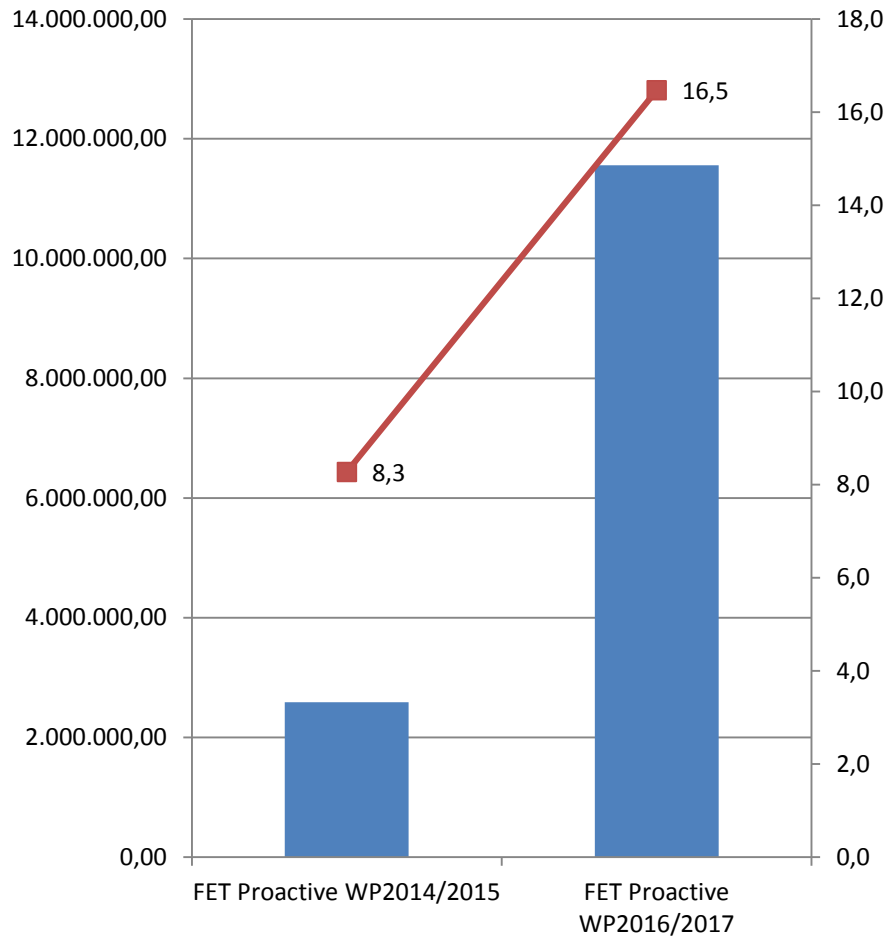
## Resultados entidades españolas



**Septiembre 2016: 5% UE28 – 10º**  
**Septiembre 2017: 25,6% - 1º**

## FET Proactive

### Resultados entidades españolas



**Abril 2014: 8,3% UE28 – 5º**

**Abril 2016: 16,5% - 3º**

■ Fondos obtenidos  
—■ % retorno

## FET Proactive -Marzo 2018

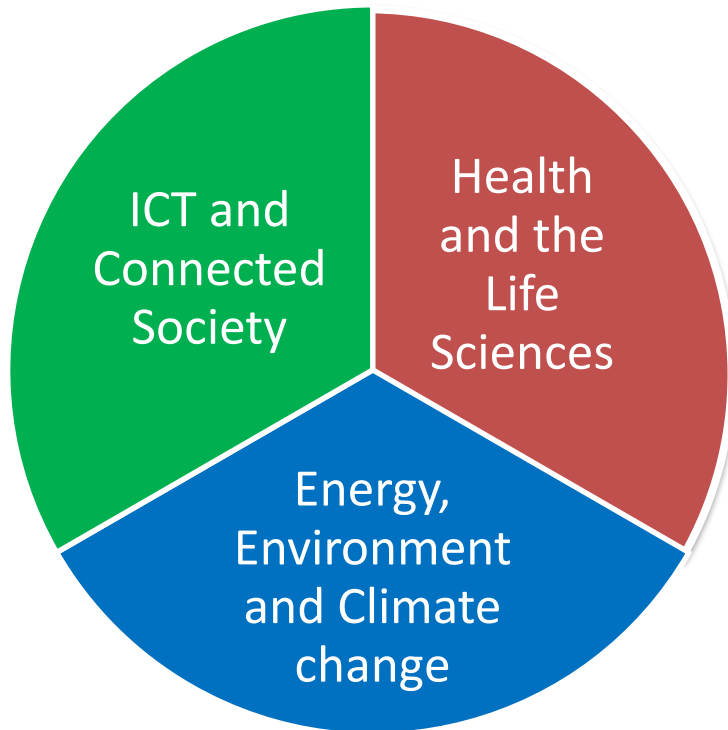
Subtopic	Submitted	Budget (mil EUR)	Budget/pro ject
a. Artificial organs, tissues, cells and sub-cellular structures	23	15	~4-7
b. Time	14	13	~up to 5
c. Living technologies	23	20	~4-7
d. Socially interactive technologies	16	15	~4-7
e. Disruptive micro-energy and storage technologies	10	15	~4-7
f. Topological matter	10	10	~up to 5
Total	96	88	17 (?)

Tasa de éxito en torno a un 18% (?)

# FET Flagships: CSA preparatory Actions

## 1º Fase (2º fase en septiembre 2018)

### Resultados participación entidades españolas



**Proposals must target a visionary goal in one area**

**In each area at most two CSAs**

**Two-stage evaluation**

- Call budget: 6M€,
- CSA budget : 1M€
- CSA duration: 12 months

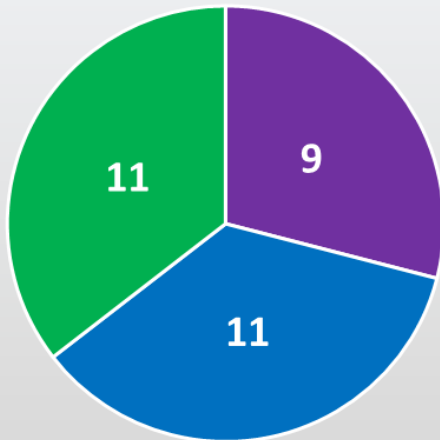
# FET Flagships: CSA preparatory Actions: 1ª Fase (2ª fase en septiembre 2018)

## Resultados participación entidades españolas

➤ **32 proposals submitted**

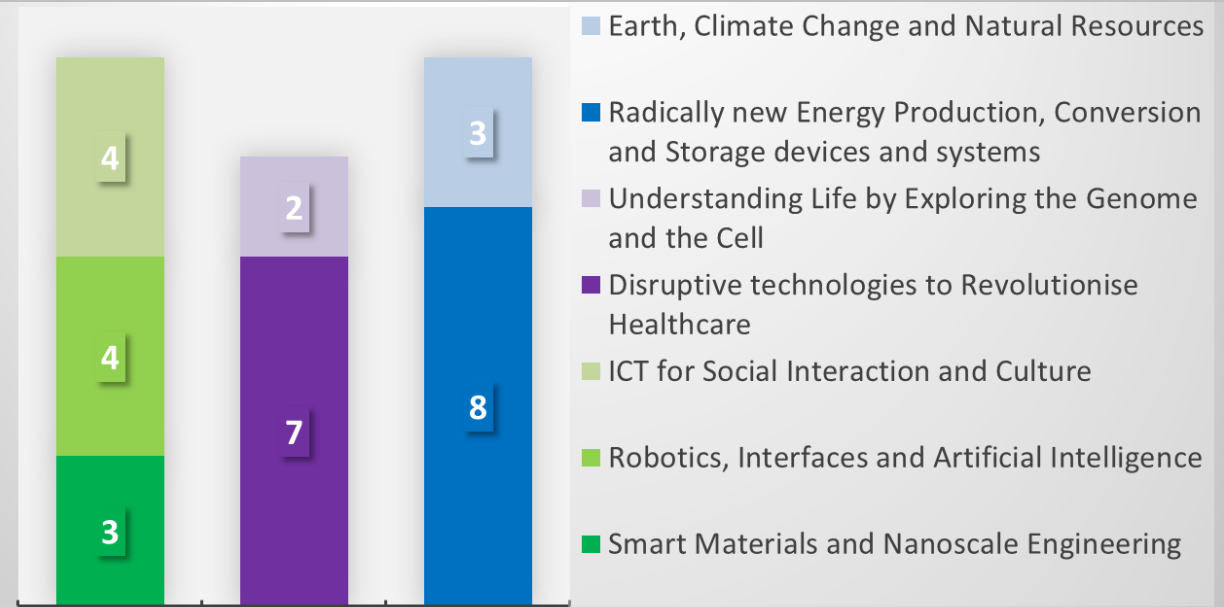
- ~1M€ funding requested
- ~12 months duration
- Consortium size\*:
  - 1-10 partners (13 proposals)
  - 10-20 partners (13 proposals)
  - > 20 partners (5 proposals)
- 1/3 of the proposals cut across sub areas
- ~2/3 of 'new' ideas compared to the consultation (Q1 2016)

### Area distribution\*



- Health and the Life Sciences
- Energy, Environment and Climate change
- ICT and connected Society

### Sub-area distribution\*



- Earth, Climate Change and Natural Resources
- Radically new Energy Production, Conversion and Storage devices and systems
- Understanding Life by Exploring the Genome and the Cell
- Disruptive technologies to Revolutionise Healthcare
- ICT for Social Interaction and Culture
- Robotics, Interfaces and Artificial Intelligence
- Smart Materials and Nanoscale Engineering



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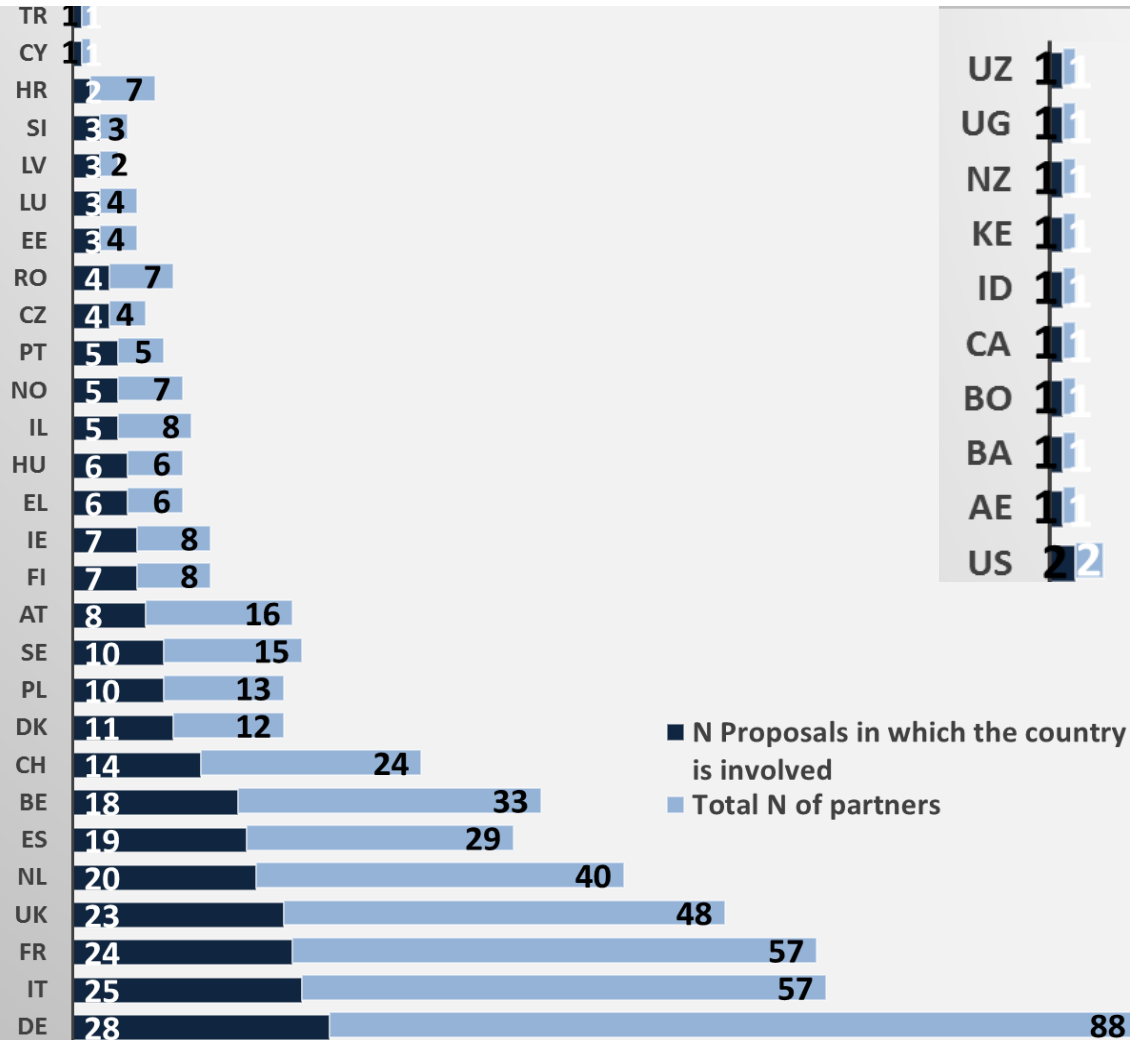
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# FET Flagships: CSA preparatory Actions: 1º Fase (2º fase en septiembre 2018)

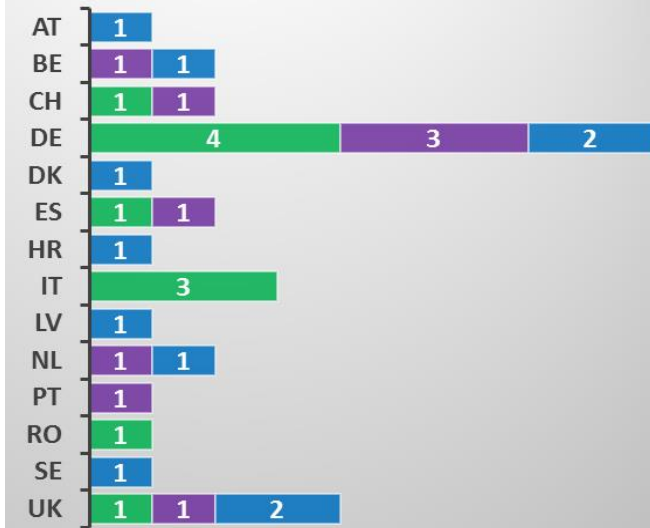
## Resultados participación entidades españolas

### Country participation\*



- 28 MS/AC
- 10 Outside EU

### Country coordination\*



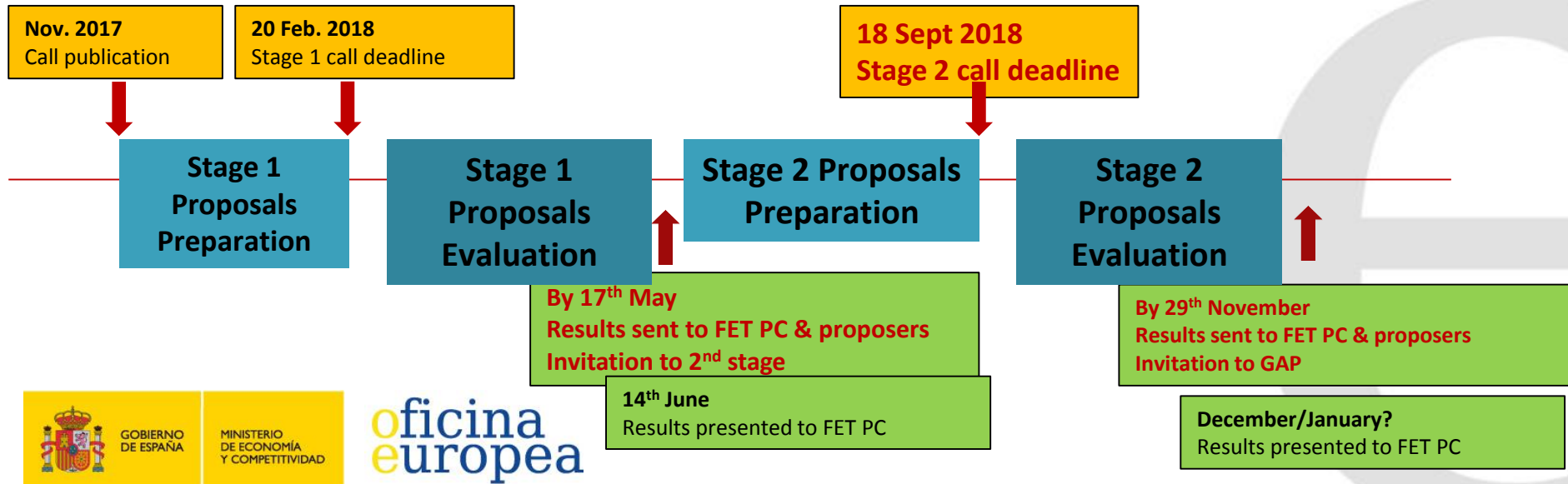
- Health and the Life Sciences
- Energy, Environment and Climate change
- ICT and connected Society



# FET Flagships: CSA preparatory Actions: 1ª Fase (2ª fase en septiembre 2018)

## Resultados participación entidades españolas

- Specific evaluation criteria for assessing the flagship idea and the implementation of the preparatory action
- Two stage evaluation by S&T experts
  - ✓ Stage 1: Evaluation of the flagship idea scientific excellence and expected impact
  - ✓ Stage 2: Evaluation of both the flagship idea and of the flagship preparatory actions on all criteria
- Thresholds: S&T 4/5; Impact 4/5; Implementation 3/5
- All above threshold proposals invited to stage 2



# FET Flagship: Quantum Technologies (QuTe)

## Resultados participación entidades españolas

Call subtopic	Proposals submitted	Grant requested	Indicative budget
RIA subtopics a to d	49	358,287,679 €	130,000,000 € of which up to 20,000,00 € for subtopic e
RIA subtopic e	90	241,029,986 €	
CSA	1	3,478,996 €	2,000,000 €

- a. Quantum Communication: **10 - 83,200,092 €**
- b. Quantum Computing Systems: **11 - 82,608,993 €**
- c. Quantum Simulation: **6 - 44,534,636 €**
- d. Quantum Metrology/Sensing: **22 - 147,943,956€**
- e. Fundamental science

# FET Flagship: Quantum Technologies (QuTe)

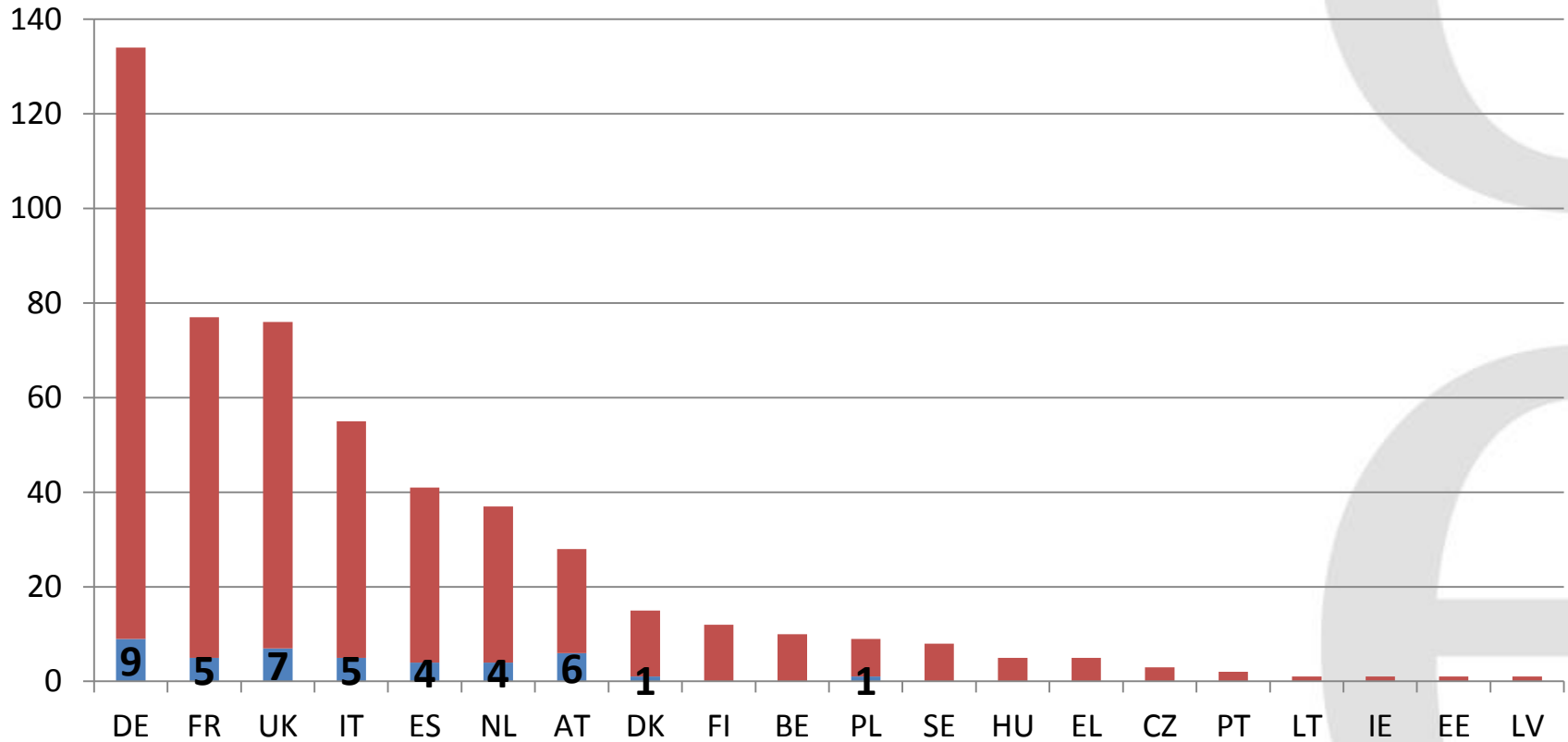
## Resultados participación entidades españolas

Call subtopic	Average participants per proposal	Average grant requested per proposal	EC suggested proposal size
RIA subtopics a to d	12	7.3 million €	up to 10 million €
RIA subtopic e	6	2.6 million €	2 to 3 million €
CSA	7	3.5 million €	2 million €

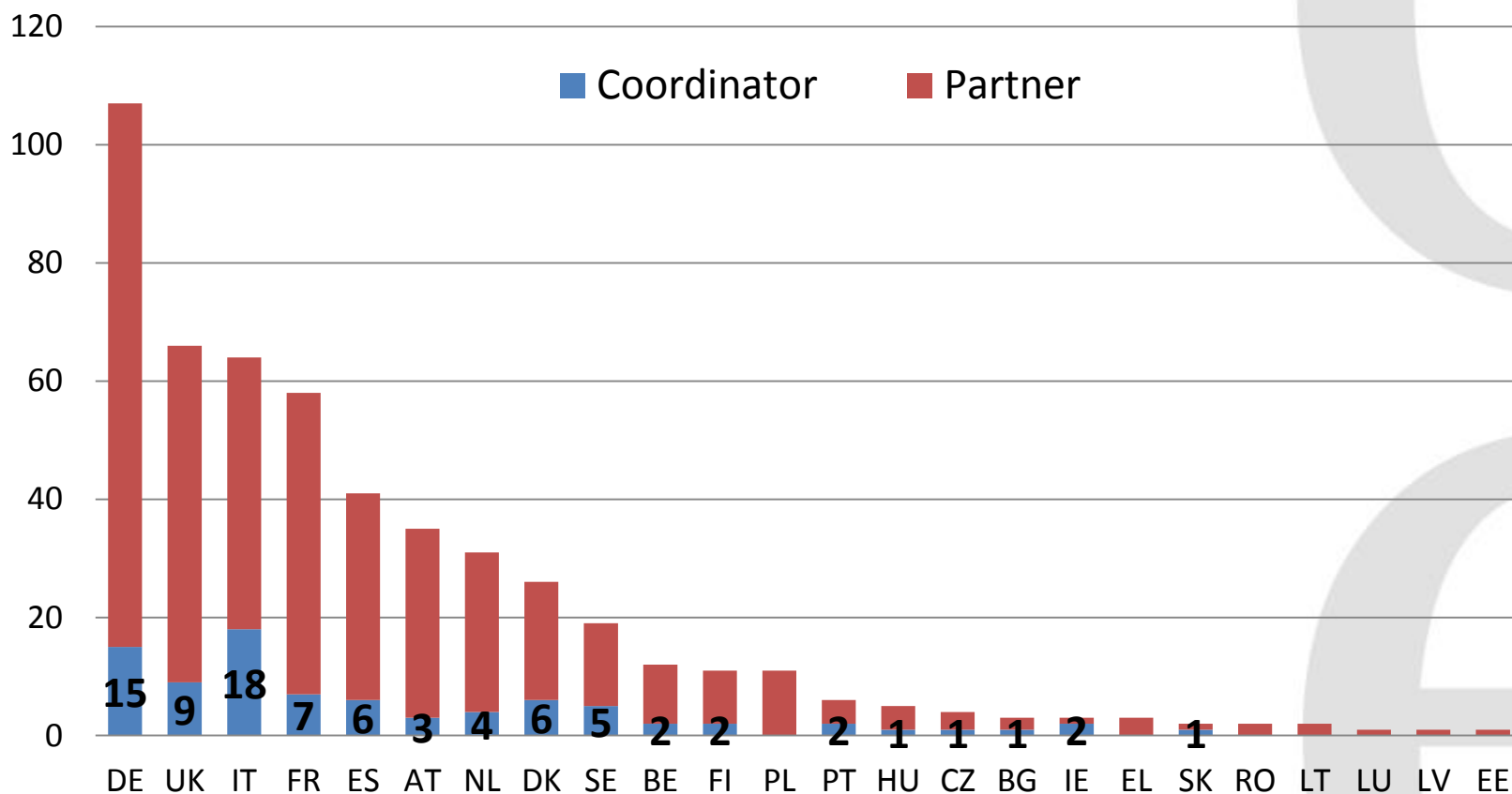
- a. Quantum Communication: **16 - 8.3 million €**
- b. Quantum Computing Systems: **10 - 7.5 million €**
- c. Quantum Simulation: **11 - 7.4 million €**
- d. Quantum Metrology/Sensing: **11 - 6.7 million €**
- e. Fundamental science

# EU country participation subtopic a to d

■ Coordinator ■ Partner



# EU country participation subtopic e, basic science



# ¡MUCHAS GRACIAS!

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