



Gabinete de Promoção  
dos Programas Quadro  
ID&I

# Funding Opportunities for SME

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31/10/2017



# Horizon 2020 National Contact Points

[www.gppq.pt/h2020/contactos\\_ncp.php](http://www.gppq.pt/h2020/contactos_ncp.php)



THE EU FRAMEWORK PROGRAMME  
FOR RESEARCH AND INNOVATION

# HORIZON 2020



EXCELLENT SCIENCE  
COMPETITIVE INDUSTRIES  
BETTER SOCIETY





2380

2392

2405

2417

2428

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2381

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2445

## Excellent Science ~ 24 400 M€

- **European Research Council**  
Frontier Research by the best individual teams
- **Future and Emerging Technologies**  
Collaborative research to open new fields of innovation
- **Marie Skłodowska-Curie Actions**  
Opportunities for training and career development
- **Research Infrastructures**  
(including e-infrastructure)  
Ensuring access to world class facilities

*Bottom up*

## Industrial Leadership ~ 17 800 M€

- **Leadership in enabling and industrial technologies**  
Space, ICT, NMBP  
(*nanotechnologies, advanced materials, biotechnology, manufacturing*)
- **Access to Risk finance**  
Leveraging private finance and venture capital for research
- **Innovation in SMEs**  
Fostering all forms of innovation in all types of SMEs

*Top down*

## Societal Challenges ~ 29 700 M€

1. Health, demographic change and wellbeing
2. Food security, sustainable agriculture, marine and maritime research & the bioeconomy
3. Secure, clean and efficient energy
4. Smart, green and integrated transport
5. Climate action, environment, resource efficiency and raw materials
6. Inclusive, innovative and reflective societies
7. Security society

*Top down*

**European Institute of Innovation and Technology (EIT) (~2700 M€)**

**Spreading Excellence and Widening Participation (~1900 M€)**

**Science with and for Society (~1600 M€)**

**Joint Research Centre (JRC)**

# Work Program

- Bienal (2018-2020)

## Topics

- Challenge
- Scope
- Expected Impact

# Types of Actions

- Research and Innovation Action (*RIA*; *TRL 3-5*)
- Innovation Actions (*IA*; *TRL 5-7*)
- Collaborative and Support Actions (*CSA*)

# Funding

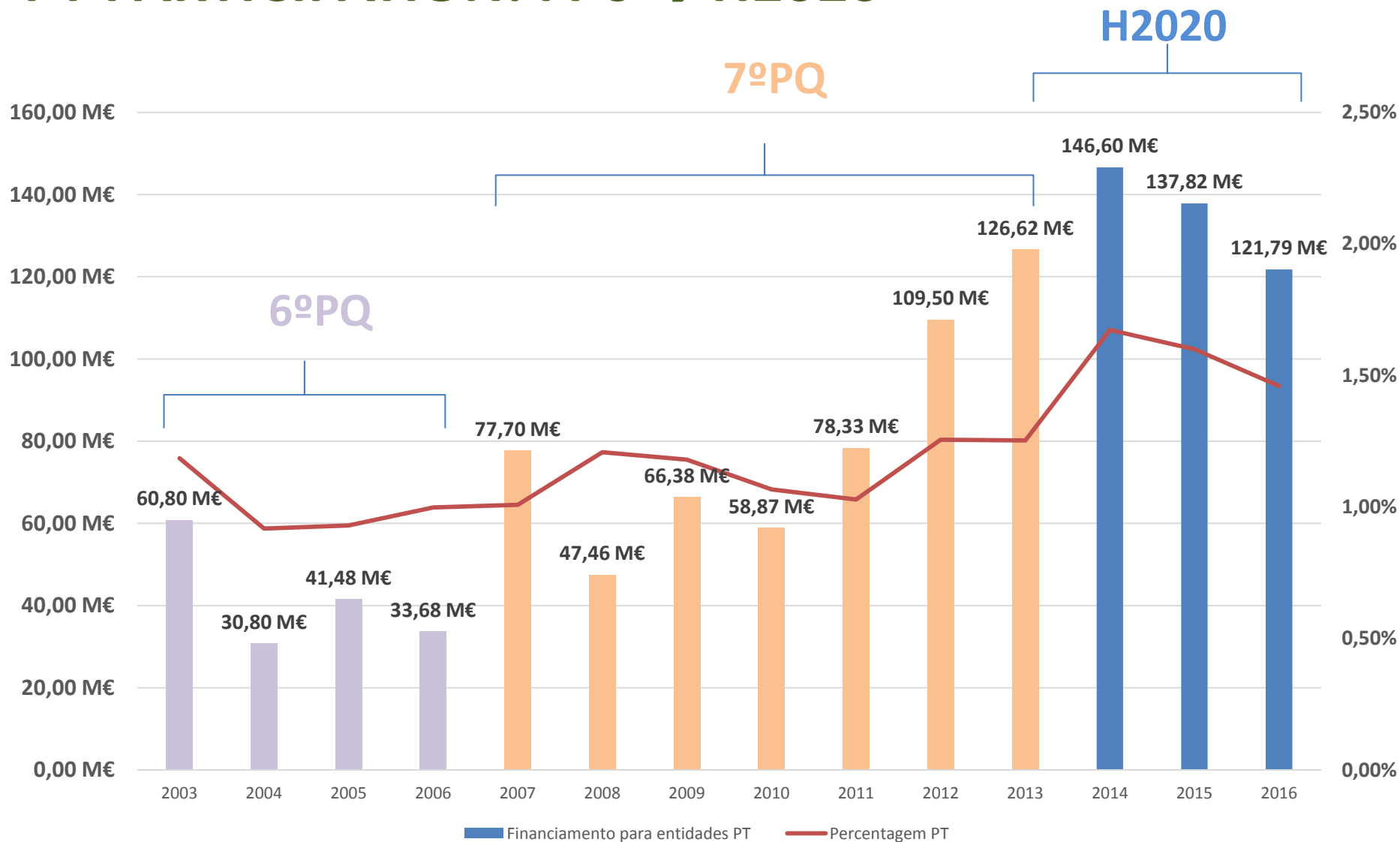
- Research and Innovation Action: 100%
- Innovation Actions: *70% for profit making organisations*
- Single flat rate for indirect costs: 25%
- No time sheet requirement for full time staff on a project
- Successful applicants to get working more quickly: reduction of average time to grant



# Portuguese Participation (2014-2017)



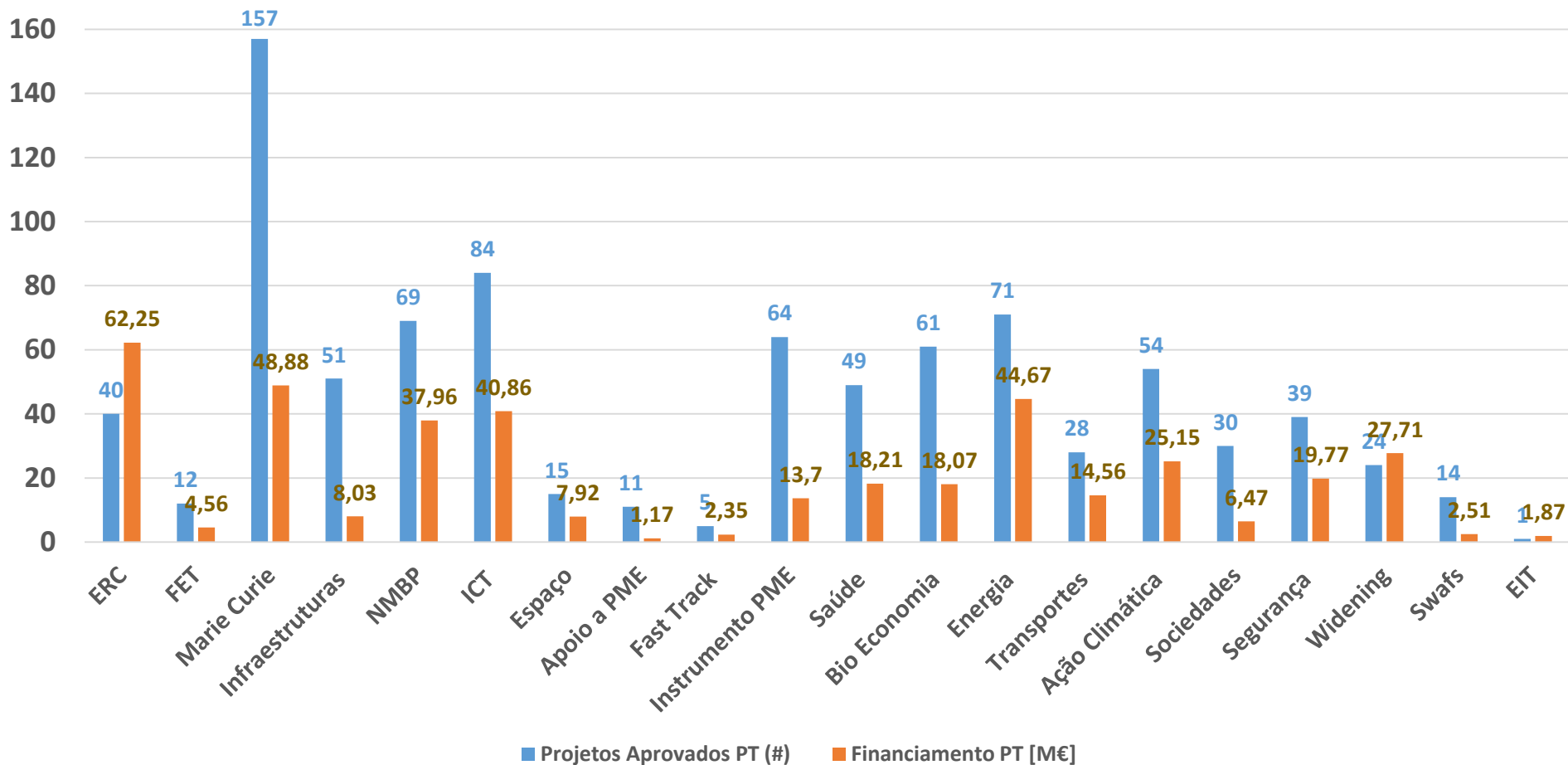
# PT PARTICIPATION: FP6 → H2020



Data May 2017



# PT PARTICIPATION: H2020 2014-2017



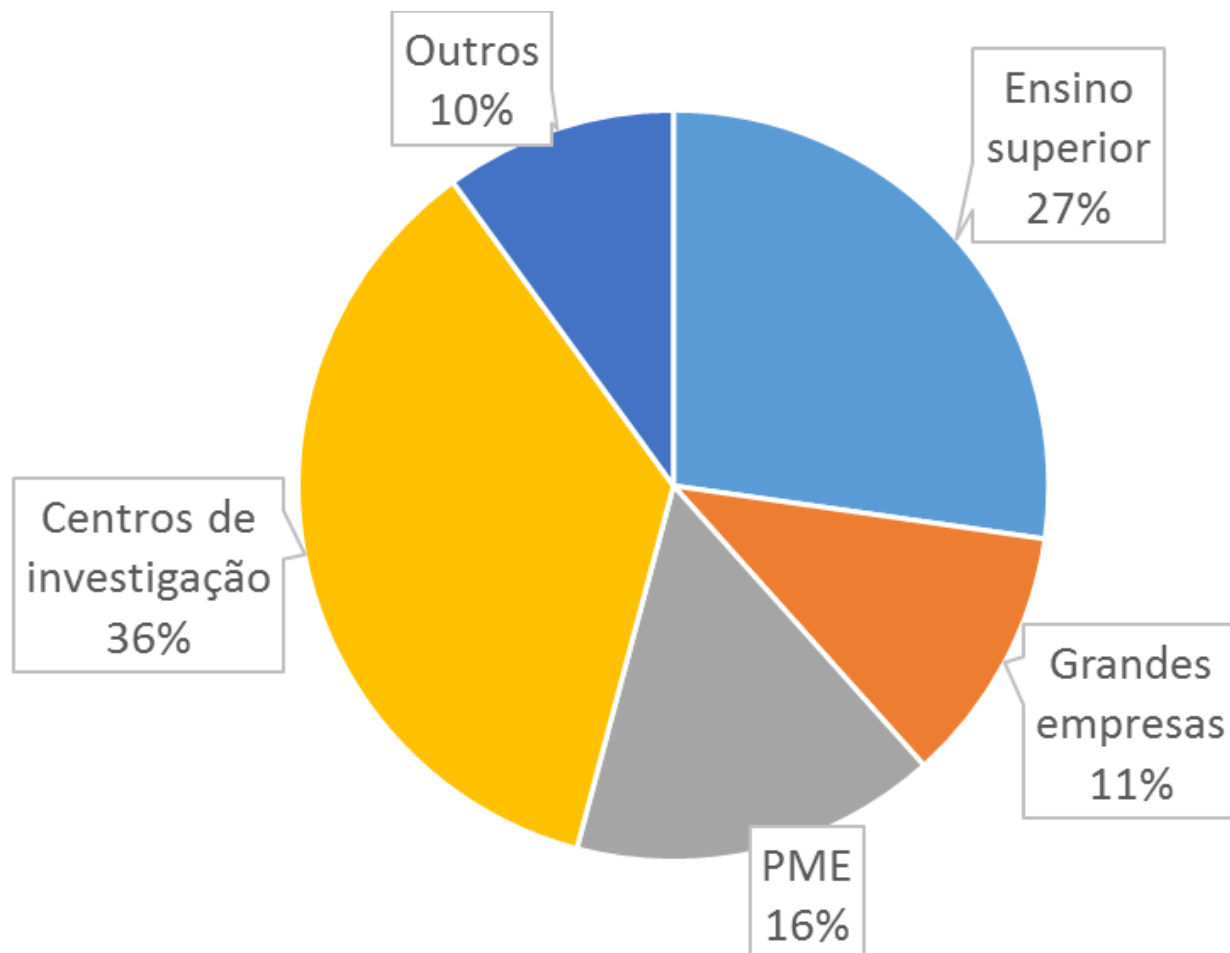
Data: May 2017

# Participação nacional no H2020:

- **Proposals: 8 112**
- **Projects: 1 072**
- **Coordinated Projects: 305**
- **Participants: 1 563**
- **PT Funding**

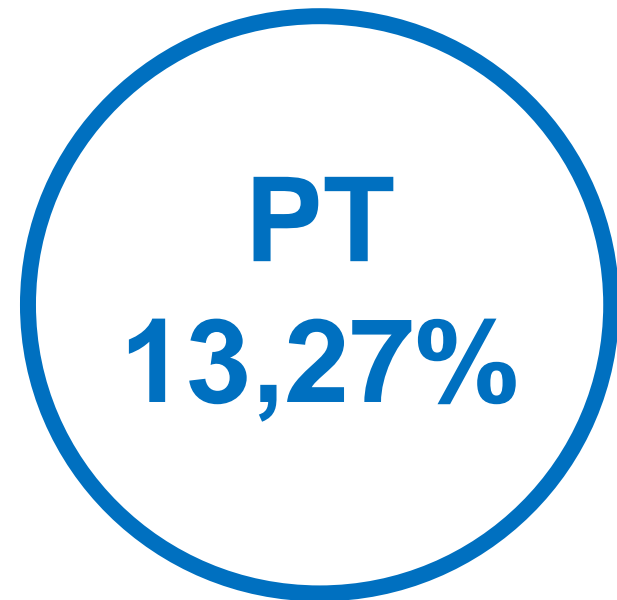
**488M€**

# National Funding by Type of Entity



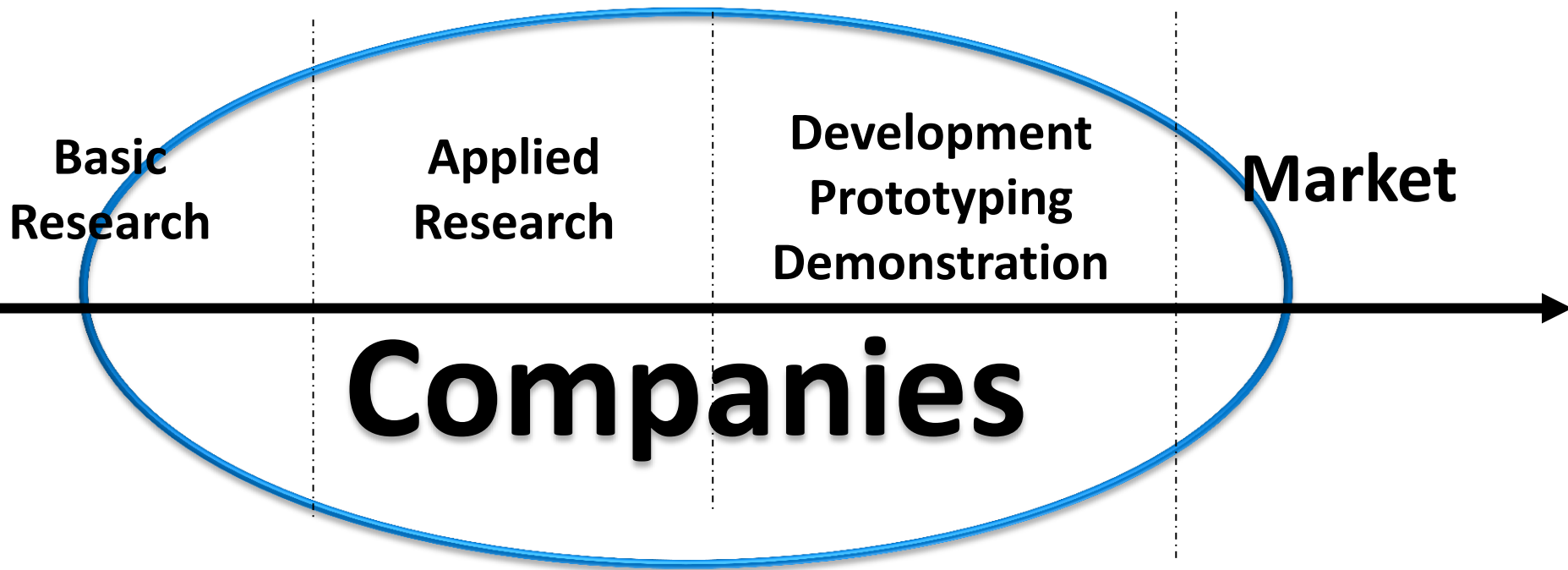


# Sucess rate by proposal



# Opportunities for companies

# H2020 & the Innovation Chain

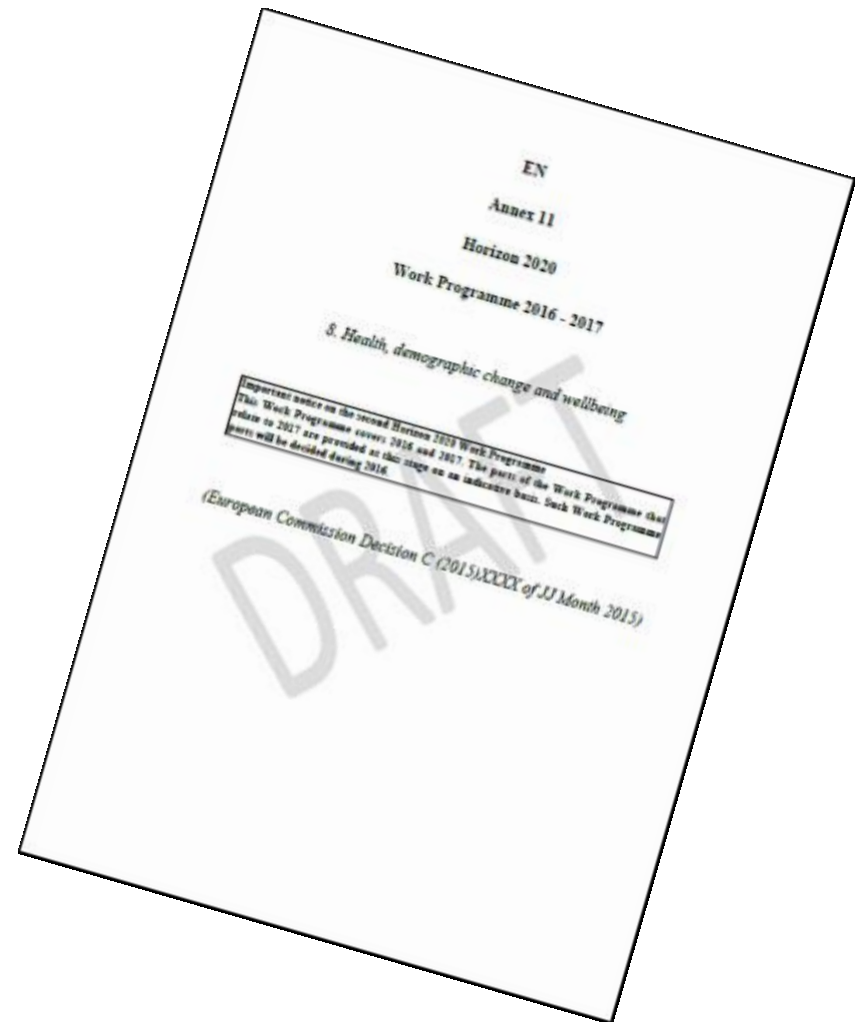


# Funding opportunities for Companies

- **Consortia projects**
- **European Innovation Council**
  - SME instrument
  - Fast Track to Innovation
  - FET Open
  - Horizon Prizes
- **Eurostars**

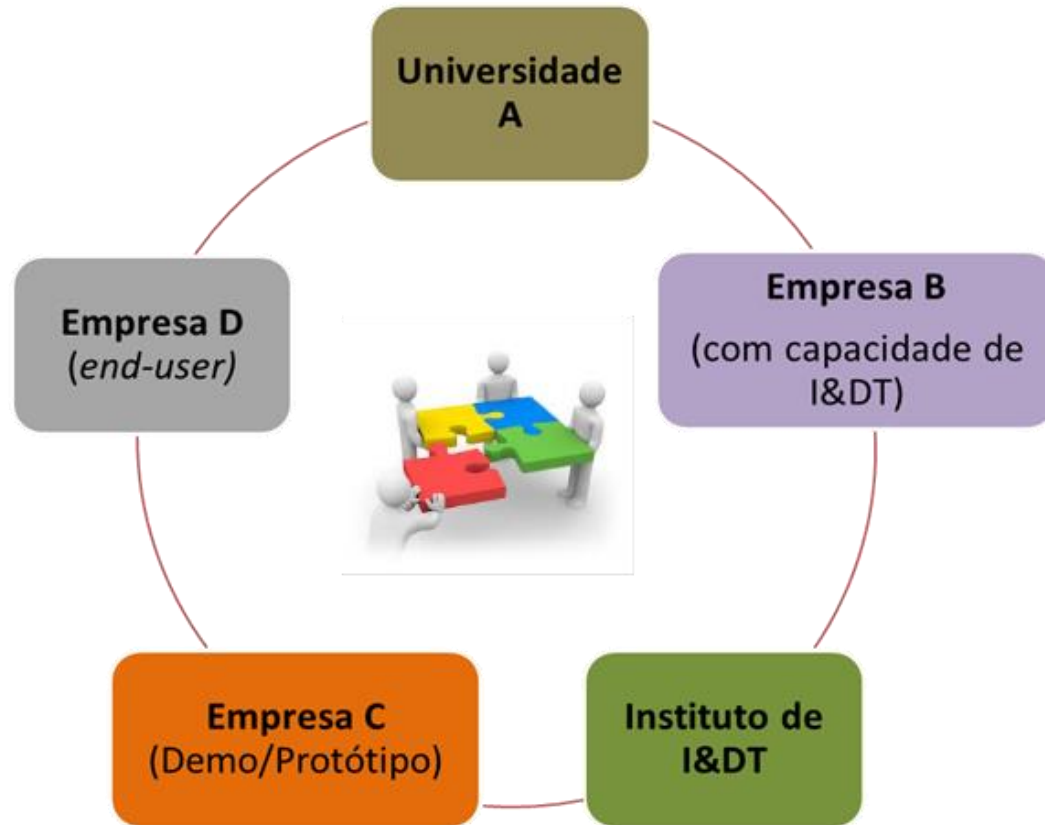
# Consortia Projects

- ***Top-down*** – Priorities are defined in the work program





# At Least 3 entities from 3 Different Member States

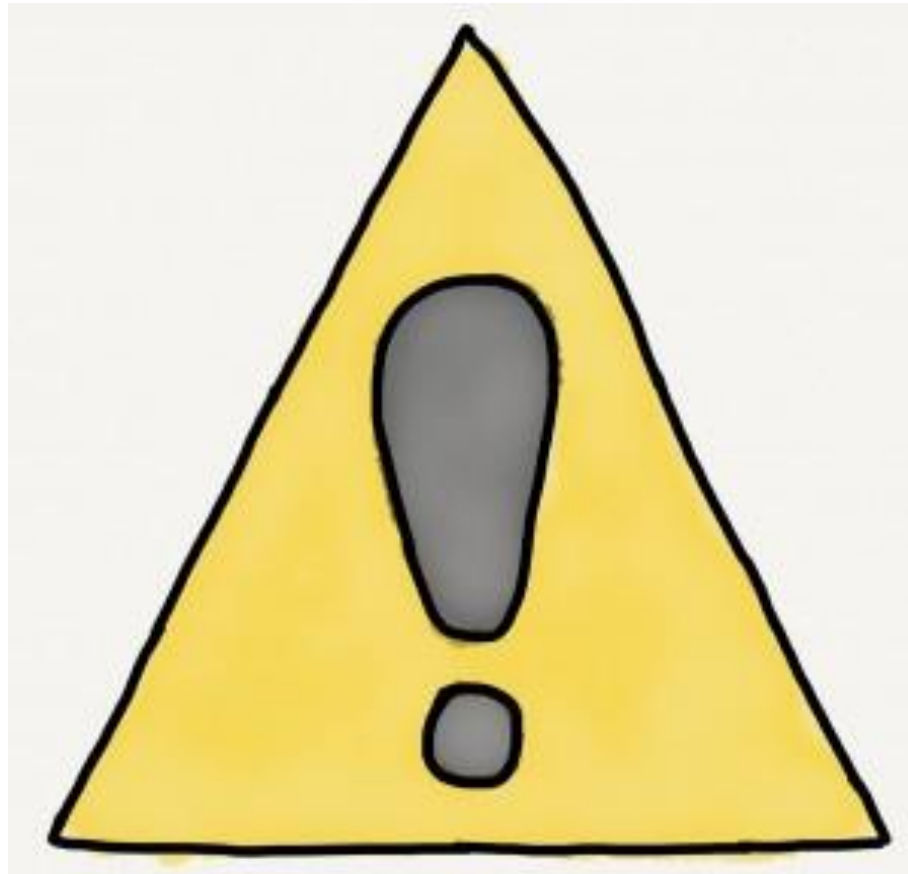


# Benefits

- **Access to knowledge**
- **Networking opportunities**
- **Increase R&D activities and competences**
- **Decrease the risk for creating and exploring new ideas**

# 2018-2020 Work Programme





**The 2018-2020 Work Programme is still a draft!**

# European Innovation Council

# European Innovation Council

**supports innovators developing breakthrough innovations with the potential to create new markets and boost jobs, growth and prosperity in Europe**





- SME Instrument
- Fast Track to Innovation
- FET Open
- Horizon Prizes

# SME Instrument



UEFA  
CHAMPIONS  
LEAGUE

# Who should apply?

High growth, highly innovative SMEs with global ambitions that want to **disrupt** the established value networks and existing markets.

## PHASE1

**Concept & feasibility study**  
Idea to concept

The European Union will provide  
**€50 000** in funding

Get results in **2 months** and  
funding in **4 months**



## PHASE2

**Demonstration, market replication, R&D  
and product development**

Concept to Market-Maturity

The EU may contribute 70% of total project cost,  
between **€0.5 and €2.5 million\***

Get results in **4 months** and  
get funding in **8 months**

## **BUSINESS SUPPORT** for market launch

Participants at both phases will receive world-class **coaching** benefit from **networking opportunities** with top level investors and potential partners and get support to **launch their product** on European and international markets.

\*Up to €5 million for health proje



# Phase 1 – Feasibility

**62 SMEs**  
**3,10M€**

# Phase 2 - Demonstration

**10 SMEs**  
**14,5M€**

OptiSigma energia e ambiente

PIXODIGITAL

TAKE THE WIND

livedrive

STAB vida  
Your easy genetics laboratory

P3d PERCEIVED

AVELEDA

InnoWave Technologies

AGRO INSIDER

ENERGY PULSE SYSTEMS

boereboom in vitro portugal

Unbabel

stratio

UBQ MADEIRA

sparos I&D nutrition in aquaculture

prisma

bluecover

CROSS BORDER TALENTS

extremochem

Ar Diagnostic

ORIZONVISION Making Vision Happen

GEPACK CREATING LIFE PACKAGING

U-ORBIT

XHOCKWARE

SWORD HEALTH

CoolFarm

Omniflow

stemcell2MAX

EQS MANAGING YOUR RISK

watt is High speed Solutions

Signinum

ynvisible

PETsys Electronics

BioMimetx Insights by Nature. Experience in vivo.

RVE.SOL

sensefinity

73 MIL E 100 SETENTA E TRÊS MIL E OUM, LDA.

MAGNOMICS NANOTECH FOR LIFE SCIENCES

VISIONSPACE TECHNOLOGIES

mobiag clever mobility

EXOGENUS THERAPEUTICS

ser FARMA

LOGISTEMA

WATERDOG mobile

MEDSIMLAB MEDICAL SIMULATION FOR MEDICAL TRAINING

DNA TRUSTAG

PHARMA73

ENERMETER

i2S

thelial

biosurfit Desenvolvimento para a Clínica e a Tecnologia

# Proposal

- Phase 1 - 10 pages
- Phase 2 - 30 pages

# Dates

- Phase 1 - **7 Nov** | 8 Feb, 3 May, 5 Set, 7 Nov 2018
- Phase 2 - 10 Jan, 14 Mar, 23 May, 10 Oct 2018

# What is new?:

- *“for innovators with **ground-breaking** concepts that could shape **new markets**. Only the most convincing and excellent proposals can be funded after a evaluation by technology, **business and finance experts**.”*
- No topics
- **TRL6** or higher just in Phase 2
- New evaluation criteria **and new templates**
- **Threshold** is 13
- **Interviews for phase 2**

# Fast Track to Innovation

Is a fully-bottom-up measure promoting close-to-the-market innovation activities that is open to all types of participants.

**reduce the time from idea to market**

# Requirements

- **Consortia: 3 to 5 entities**
- **The majority are companies or 60% of the budget is for companies**
- **Market take-up: 3 Years**
- **TRL 6 to 8**
- **Projects of 1 to 3M€**
- **70% Funding**
- **3 cut-offs: 21 Feb, 1 Jun, 23 Oct 2018**
- **Proposals have to include a business plan**

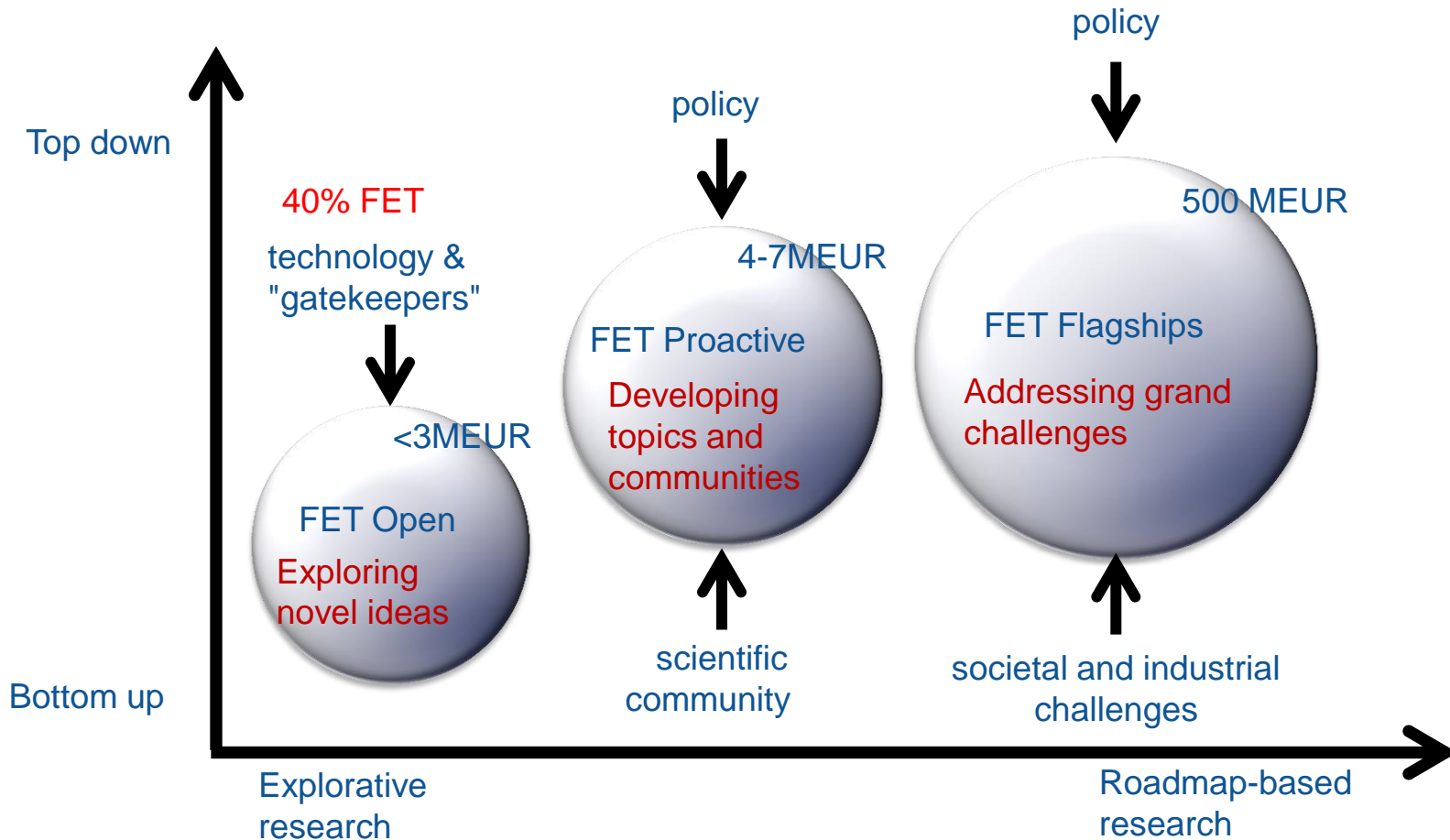
# Future & Emerging Technologies FET Open



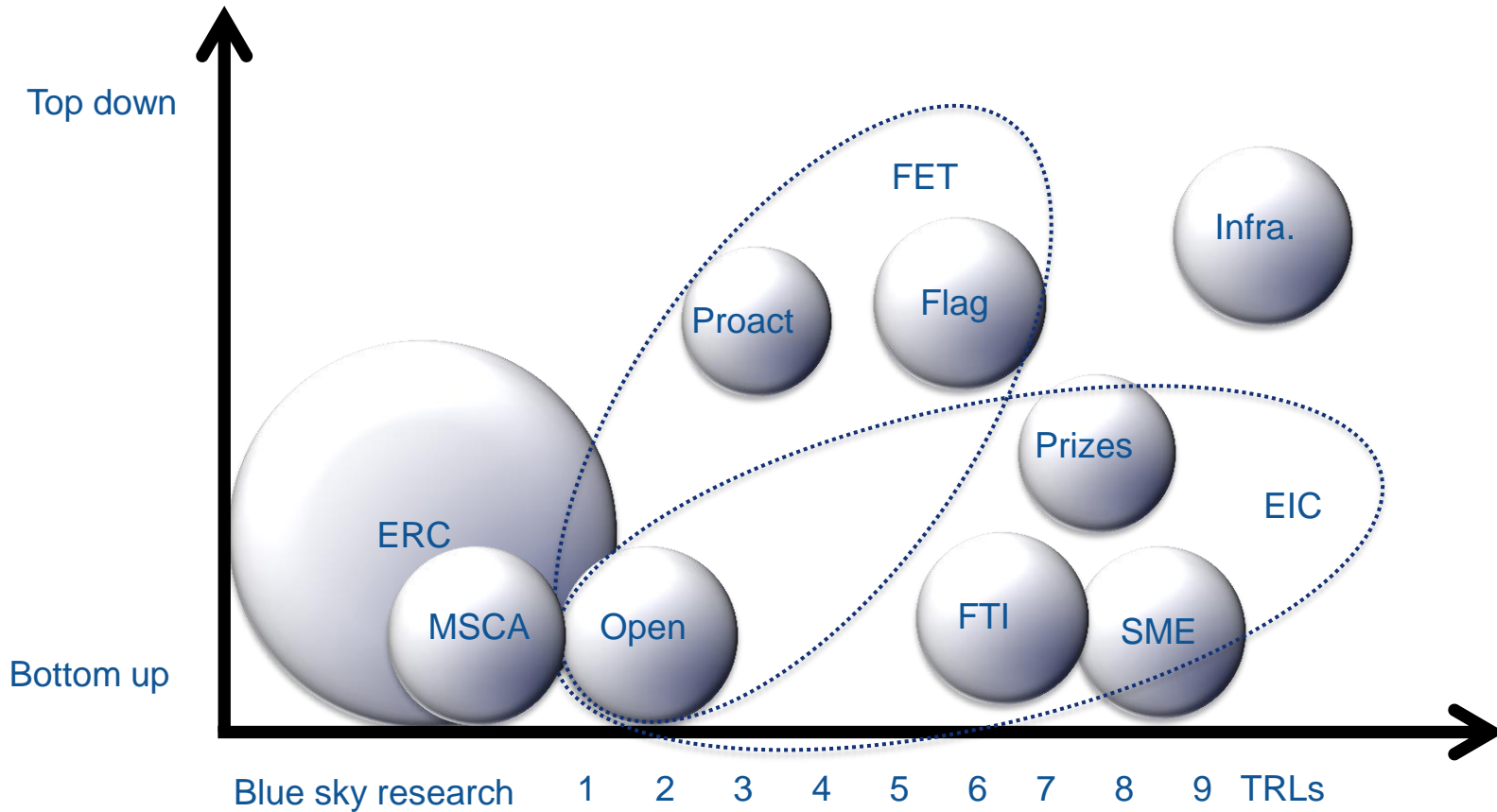


Science and technology research by consortia exploring novel ideas for **radically new future technologies** that challenge current paradigms and venture into the unknown.

# 3 complementary schemes



# FET in H2020 Excellence Science pillar



# Horizon Prizes

The Prizes set an ambitious goal to solve a major challenge facing society, without detailing how this should be achieved or who should achieve it.

These prizes are open to anyone willing to think outside the box across sectors and disciplines. The prize is awarded to whoever best meets the challenge.

# Horizon Prizes

- Prize for 'Innovative Batteries for eVehicles'
- Prize for 'Fuel from the Sun: Artificial Photosynthesis'
- Prize for 'Early Warning for Epidemics'
- Prize for 'Blockchain for Social Good'
- Prize for 'Low-Cost Space Launch'
- Prize for 'Affordable High-Tech for Humanitarian Aid'

Marie Skłodowska-Curie

# RISE

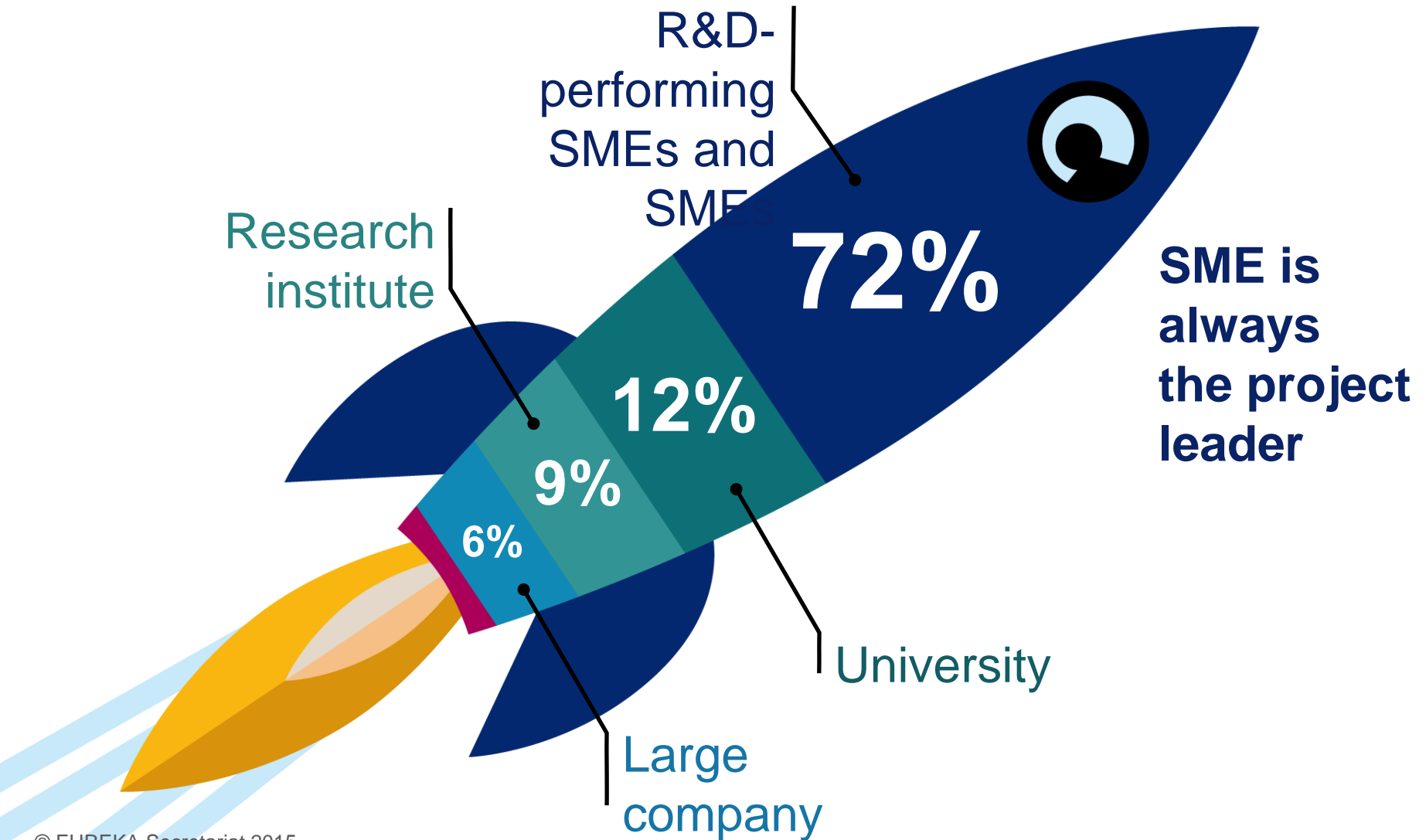
## Research & Innovation Staff Exchange

- Promoting *networking* and knowledge transfer
- Capacitação de *staff members*
- *staff* mobility entre 1 mês a 1 ano
- Qualquer nível de carreira
- 3 entidades de 3 países diferentes
- Aberto a todas entidades de qualquer país ou sector
- Projetos de 3 anos



Eurostars

# SMEs in the driving seat



# Proposal

- Success rate > 25%
- Time to contract 4 to 7 months

# Dates

- 01/03/2018
- 13/09/2018









***All adventures in life start by just showing up***

# Thanks

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