

EUREKA

# EUROSTARS 2



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**Eurostars Ethics Research Coordinator**



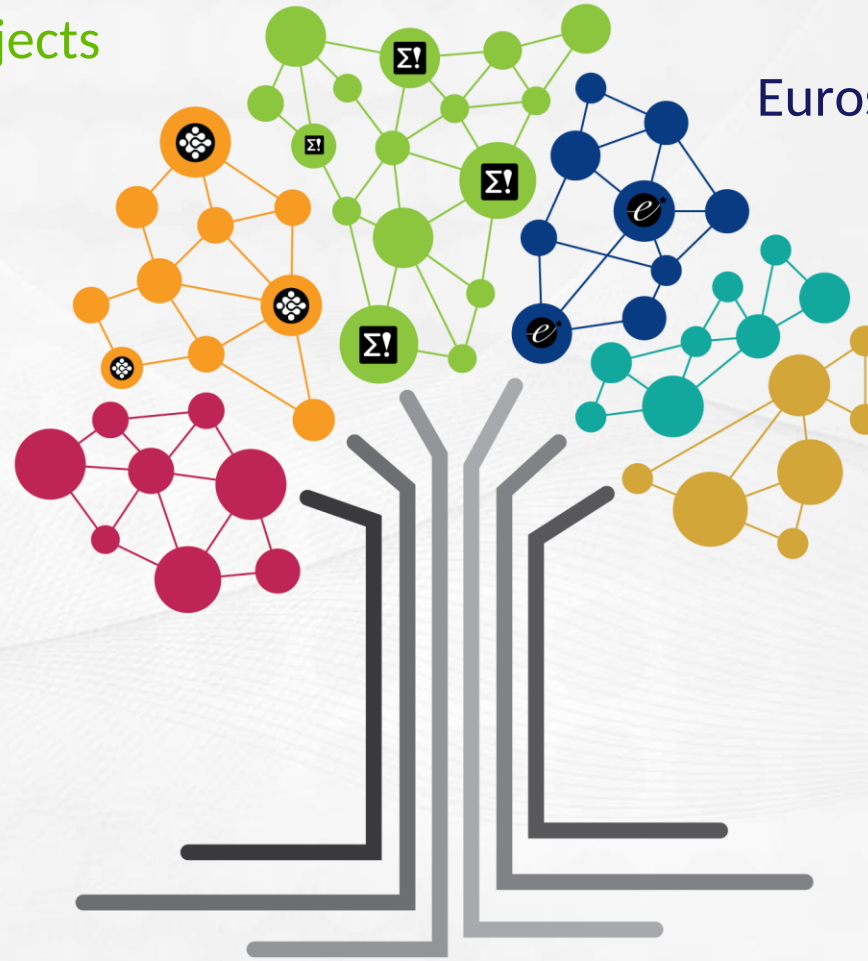
# EUREKA instruments

Network projects

Cluster projects

Eurostars projects

Globalstars projects



> 45 countries

# EUROSTARS is...



Joint programme  
between EUREKA  
and EU



Dedicated  
to R&D-  
performing SMEs



Market-oriented



































Bottom-up



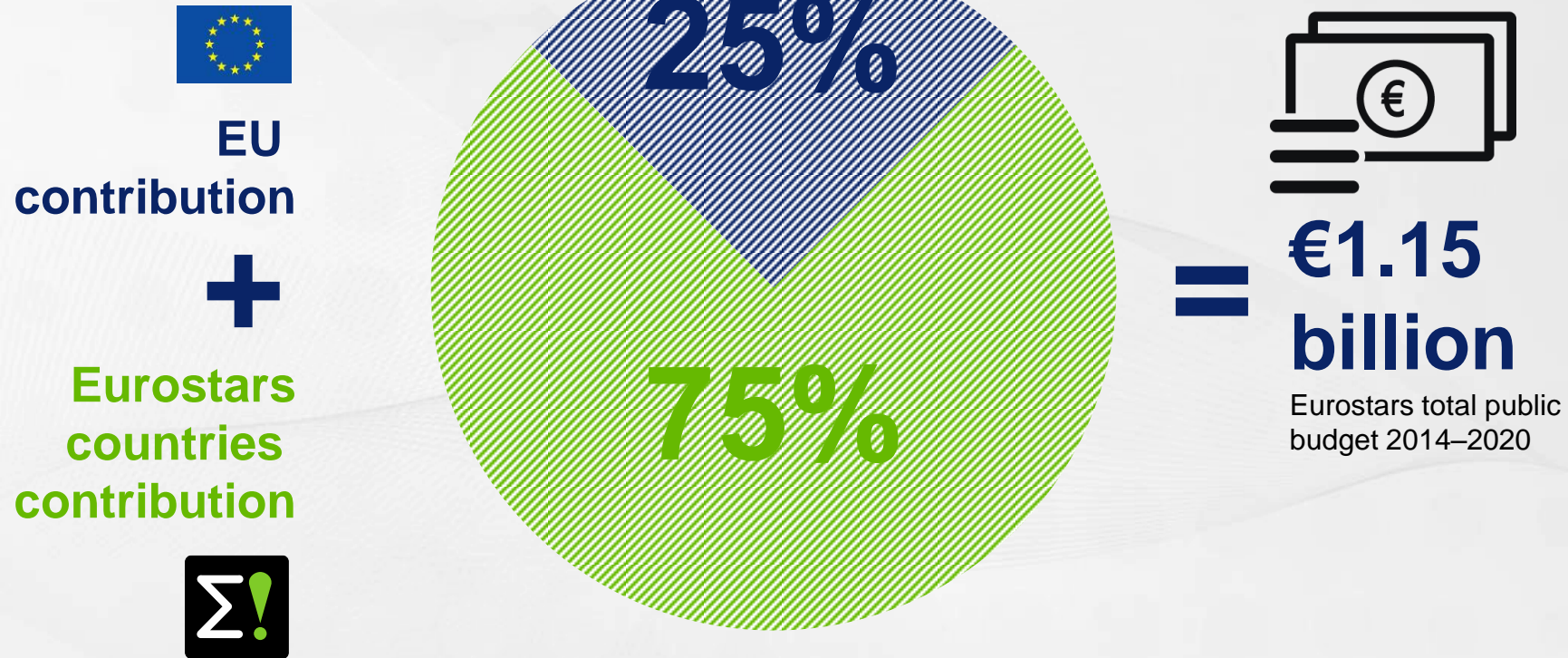
International  
cooperation

# Eurostars Countries

- |   |                |   |            |   |                 |
|---|----------------|---|------------|---|-----------------|
|    | Austria        |    | Germany    |    | The Netherlands |
|    | Bulgaria       |    | Greece     |    | Norway          |
|    | Belgium        |    | Hungary    |    | Poland          |
|    | Canada         |    | Iceland    |    | Portugal        |
|    | Croatia        |    | Ireland    |    | Romania         |
|    | Cyprus         |    | Israel     |    | Slovak Republic |
|  | Czech Republic |  | Italy      |  | Slovenia        |
|  | Denmark        |  | Latvia     |  | South Africa    |
|  | Estonia        |  | Lithuania  |  | South Korea     |
|  | Finland        |  | Luxembourg |  | Spain           |
|  | France         |  | Malta      |  | Sweden          |
|   |                |   |            |    | Switzerland     |
|   |                |   |            |  | Turkey          |
|   |                |   |            |  | United Kingdom  |

36 countries

## Eurostars under Horizon 2020



## Eurostars-2 in numbers



### Projects submitted

number of applications

**3,422**

### Projects funded

number of approved projects

**989**

number of applicants

**10,801**

number of participants

**3,112**

total costs of applications

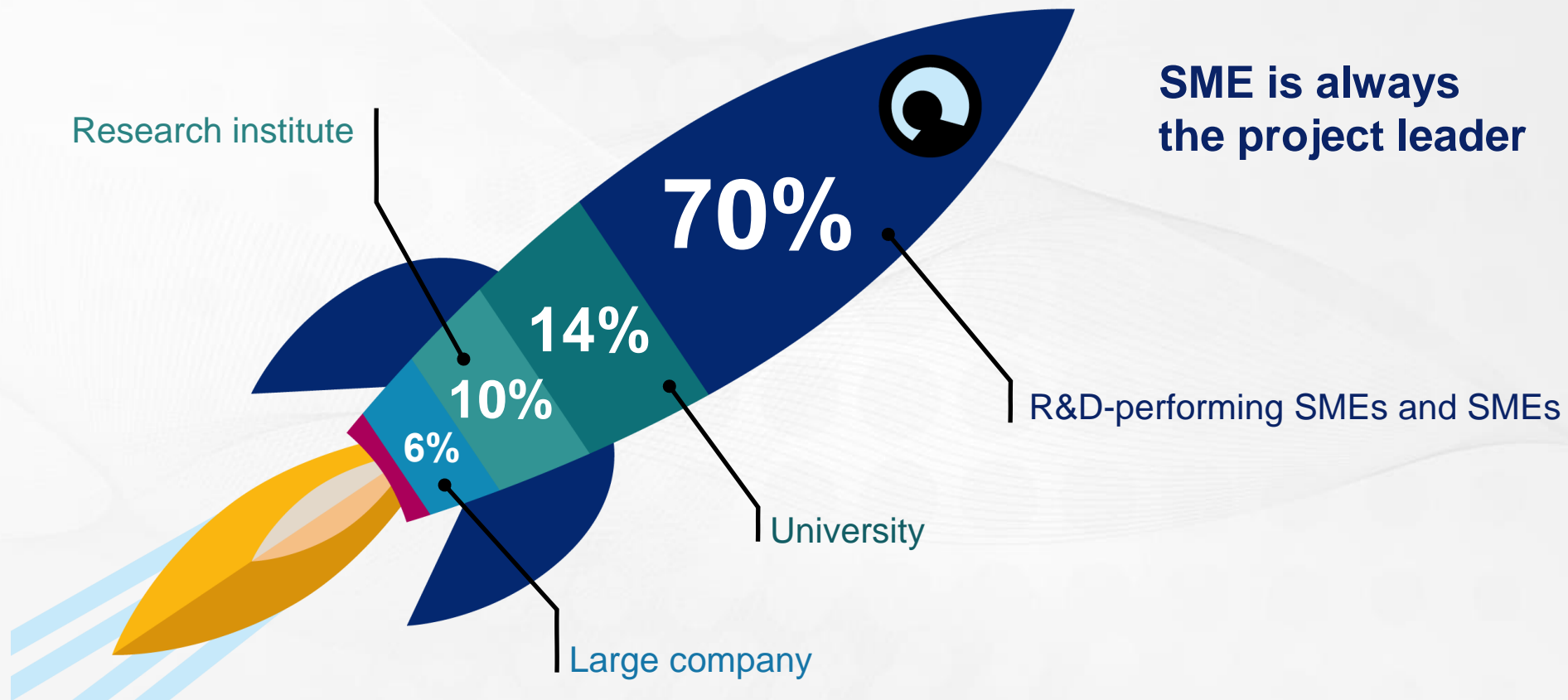
**€4.6 billion**

total costs of applications funded

**€1.45 billion**



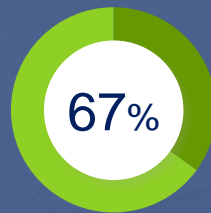
## SMEs in the driving seat



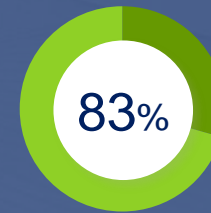
## Eurostars-2 SME profile



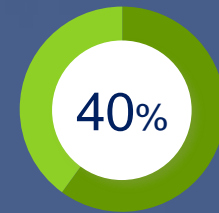
At least 50  
% of the  
work done  
by SMEs



of participants  
are R&D  
performing SMEs



of SMEs have  
less than 50  
employees



of SMEs workforce  
is dedicated to  
R&D activities



# Market-oriented

## INNOVATIVE



Market introduction is foreseen within 2 years after project completion

# A typical Eurostars project is...



**3-4**  
participants



**2-3**  
countries



average duration  
**30** months



average project cost  
**€1.4** million

# Top 5 Technological Areas



Electronics, IT  
and Telecoms Technology

31%



Biological Sciences /  
Technologies

29%



Industrial Manufacturing,  
Material and Transport

12%



Energy Technology

7%



Technology for Protecting  
Man and the Environment

6%

# Top 5 Market Areas



Medical / Health Related  
33%



Industrial Products /  
Manufacturing  
13%



Computer Related  
9%

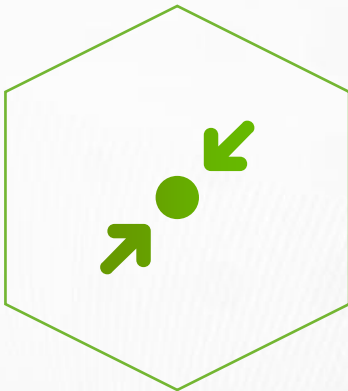


Energy  
8%

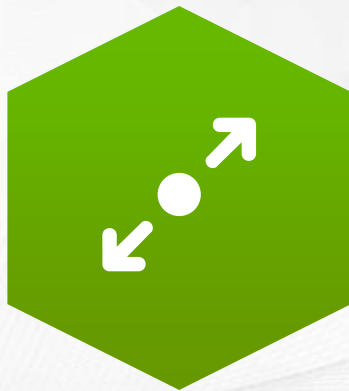


Services  
8%

# Motives for participation



**You need access to  
someone else's  
science/technology**



**You have a solution  
for someone else**



**Access skills you  
don't have**



**Requires  
collaboration  
across the value  
chain**



**Share risks**

# Eurostars process



Application



Evaluation



Monitoring

# Eurostars easy application



EVALUATION

SUBMIT

Upload  
ANNEXES

REGISTRATION  
My Eurostars

CONTACT  
your NPC

Complete the  
APPLICATION FORM

Check your  
eligibility!

Read relevant  
guidelines!

PROJECT IDEA



# Evaluation

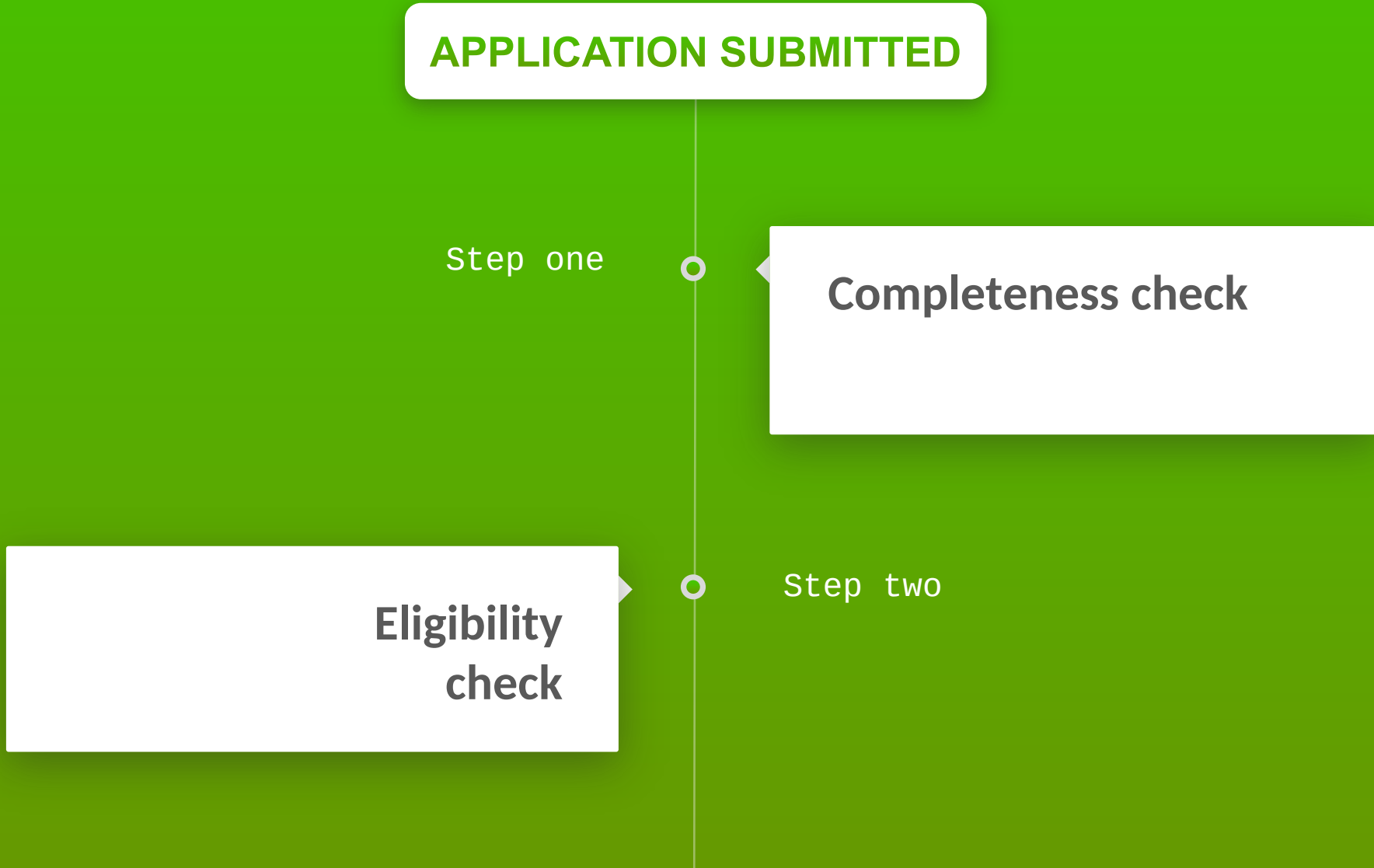
**APPLICATION SUBMITTED**

Step one

**Completeness check**

**Eligibility  
check**

Step two



**Expert  
evaluation**

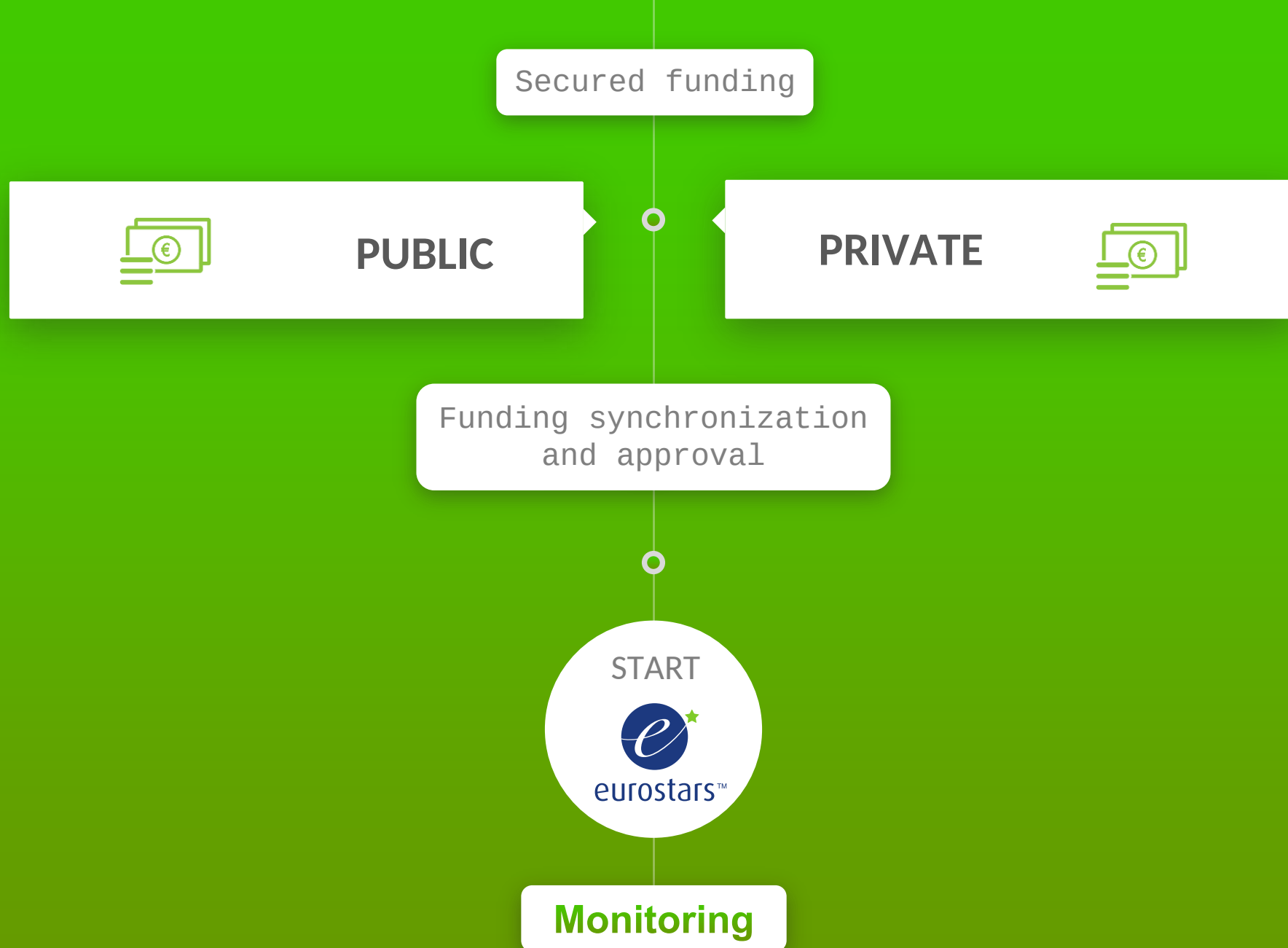
**Financial viability check**

**Panel evaluation +  
ranking**

Step four

Step five

**Ethics review**



# Eurostars eligibility



Project leader is an R&D-performing SME from a Eurostars country



At least 2 participants

- Autonomous entities
  - Legal entities
- from at least 2 Eurostars countries



SMEs are in the driving seat  
International balance



Project duration is max. 3 years  
Market introduction within 2 years



Quality and  
efficiency of the  
implementation:  
basic assessment

- Quality of the consortium
- Added value through co-operation
- Realistic and clearly defined project management & planning
- Reasonable cost structure

Excellence:  
innovation and R&D

- Degree of innovation
- New applied knowledge
- Level of technical challenge
- Technological achievability & risk

Eurostars  
evaluation criteria

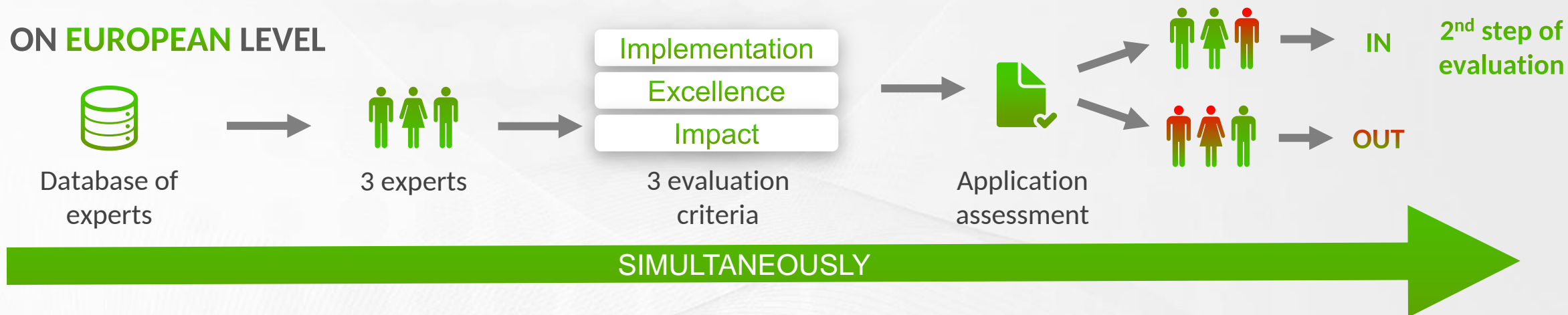
Impact:  
market &  
commercialisation

- Market size
- Market access and risk
- Competitive advantage
- Clear and realistic commercialisation plans
- Time to market

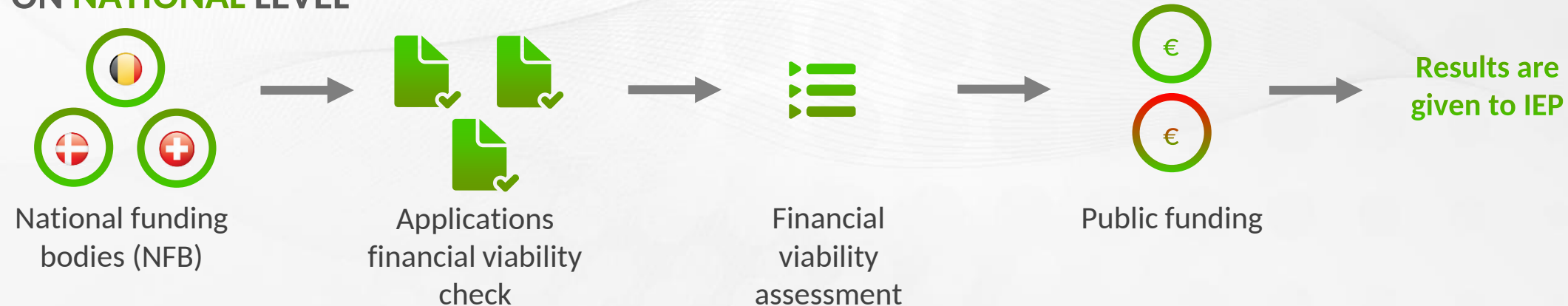
# STEP 1

## Assessment by independent experts

### ON EUROPEAN LEVEL

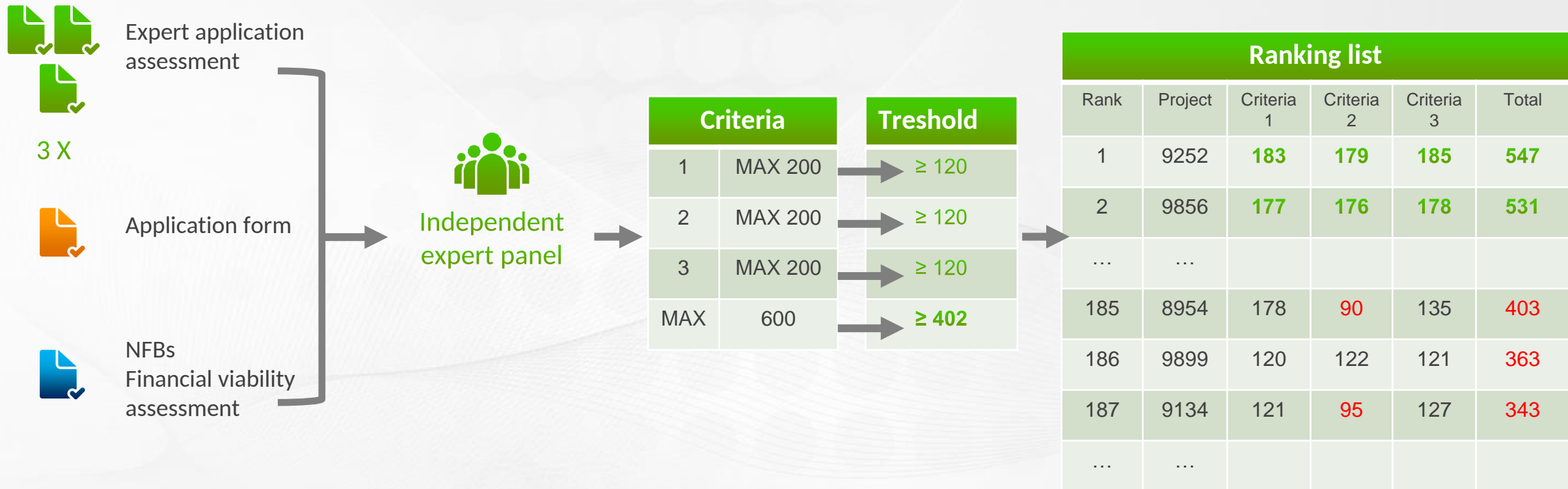


### ON NATIONAL LEVEL



## STEP 2

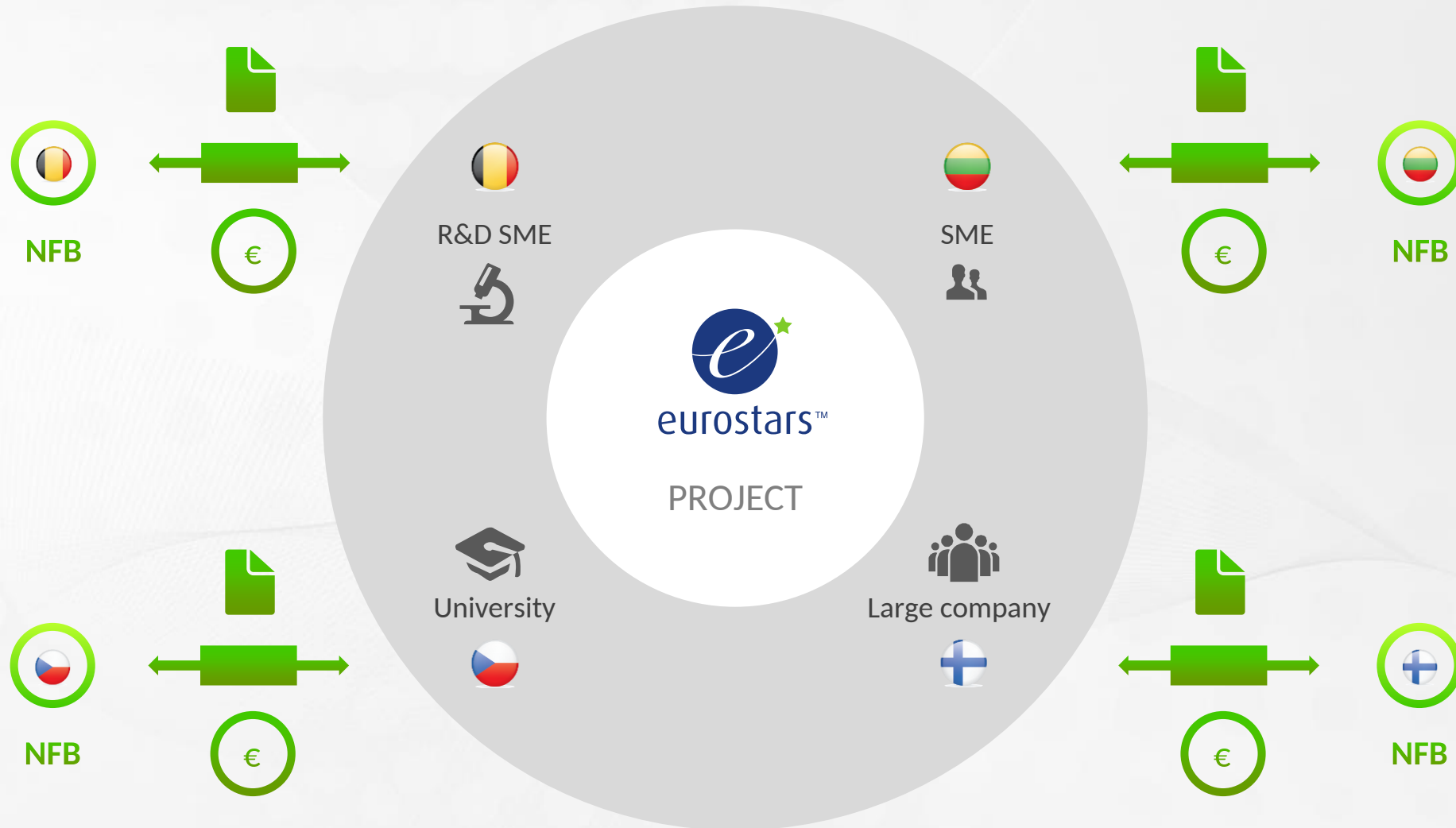
### Scoring and ranking by independent panel



- Only projects rated above the quality thresholds are recommended for funding
- The funding of projects is following the ranking list until national budget exhaustion
- The funding of partners is based on the national funding rules



# Decentralized funding



# Ethics review

**Consideration for all  
Eurostars projects  
on the ranking list**

**Verifies the respect of  
ethical principles and  
legislation**

**Each project  
application must:**

- ✓ Identify and describe any potential ethical issues
- ✓ Detail how they plan to address them

*Human embryos &  
fetuses*

*Human beings*

*Human cells or tissues*

*Personal data*

*Animals*

*Non-EU countries*

*Environment, health &  
safety*

*Dual use*

*Misuse and security*

# Ethics review

## Ethics clearance

The project proposal does not raise ethics issues or the ethics issues have been properly addressed

## Conditional clearance

The ethics report will list 'ethics requirements' which become contractual obligations.

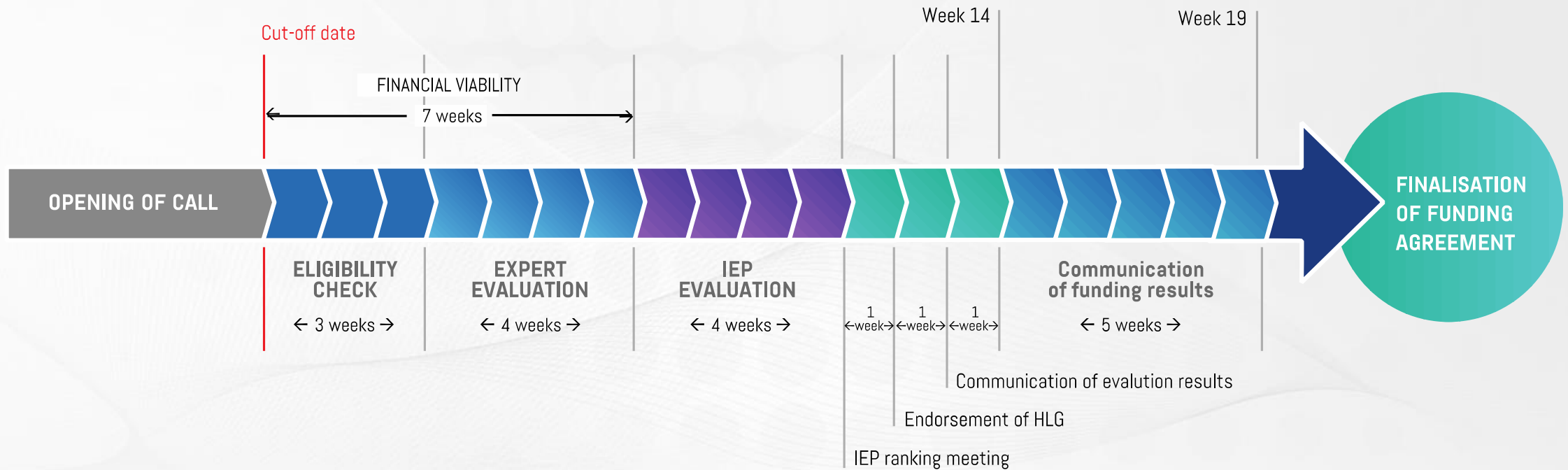
They may include:

- supplying further information/documents
- adjusting methodology so as to comply with ethical principles and relevant legislation
- an ethics check
- appointing an independent ethics advisor or ethics board (possibly with a task to report on compliance with ethics requirements)

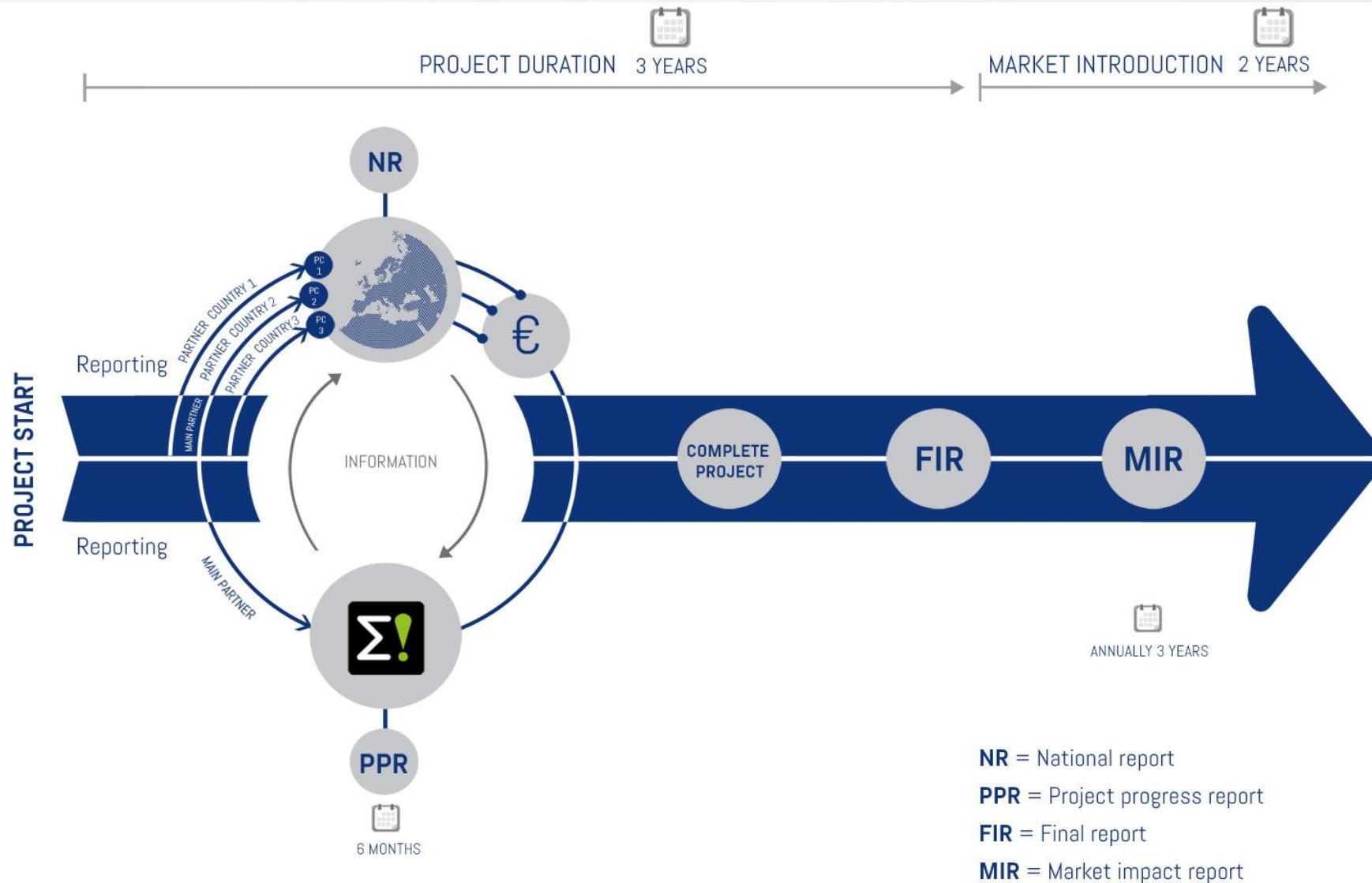
## No ethics clearance

When a project proposal shows major ethical flaws, it will not be given ethics clearance, meaning that the proposal may not be eligible for funding and will be rejected

# Timing



# Monitoring process



## Factors for success

### Be available

Allow time for necessary preparation (partner search, project proposal, consortium agreement...)

### Build up a « win-win » cooperation

Show complementarities and added value of trans-national partnership during and after the project

### Show partnership's ability to meet its commitments

Demonstrate each party's management, scientific and technical skills as well as its available financial resources for the project

### In austerity, tax payers money is a scarce resource

Demonstrate the fact that you have good financial health and have considered all of your options.

If you are too risky, you might not be able to access support.

### Set clear, measurable and verifiable objectives

Define success indicators for technological performance as well as the commercial and financial targets to achieve

### Demonstrate clearly why the projects should be financed

Highlight the risks and the strategic character of the project in terms of expected commercial and financial impact

Is it value for money?

## Factors for success

Be technologically ambitious while remaining realistic

Define a methodical approach in line with partnership, budget and time limit set for the completion of the project and the marketing of its results

Point out the innovative nature of the proposal submitted

Present new industrial applications and their impact on the industry sector and relevant markets

Describing the technology is the easy bit there is more...

Who are you? Describe the benefits of this partnership, the added value that each organisation brings?

Focus on the project methodology (objectives, means, results)

Appropriate and realistic cost breakdown

Analyse the risks. How will you mitigate against them?

Don't forget your market (it sounds strange, but people do)

Product plans, exploitation plans, commercialisation strategy.  
Analysis and comparison with state of the art.

Barriers to market entry? Competitive advantages?

Realistic market share? Will you actually make ROI?

Or how to protect it – Good IPR analysis/strategies are rare

Fill in the project application carefully and ensure it is clear

Promote the key elements the evaluators are looking for and ask an objective party to read it

Proof read it – this is the cheapest way of making it better.

Don't allow yourself to be surprised by anything

Do your homework

Speak to your National Project Coordinator (NPC)



# Call planning

Cut-Off 12

September 2019						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5
6	7	8	9	10	11	12

Cut-Off 11

371 Applications

Thank you  
for your attention

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