

# Engineering Innovation

A sustainable energy future for Europe

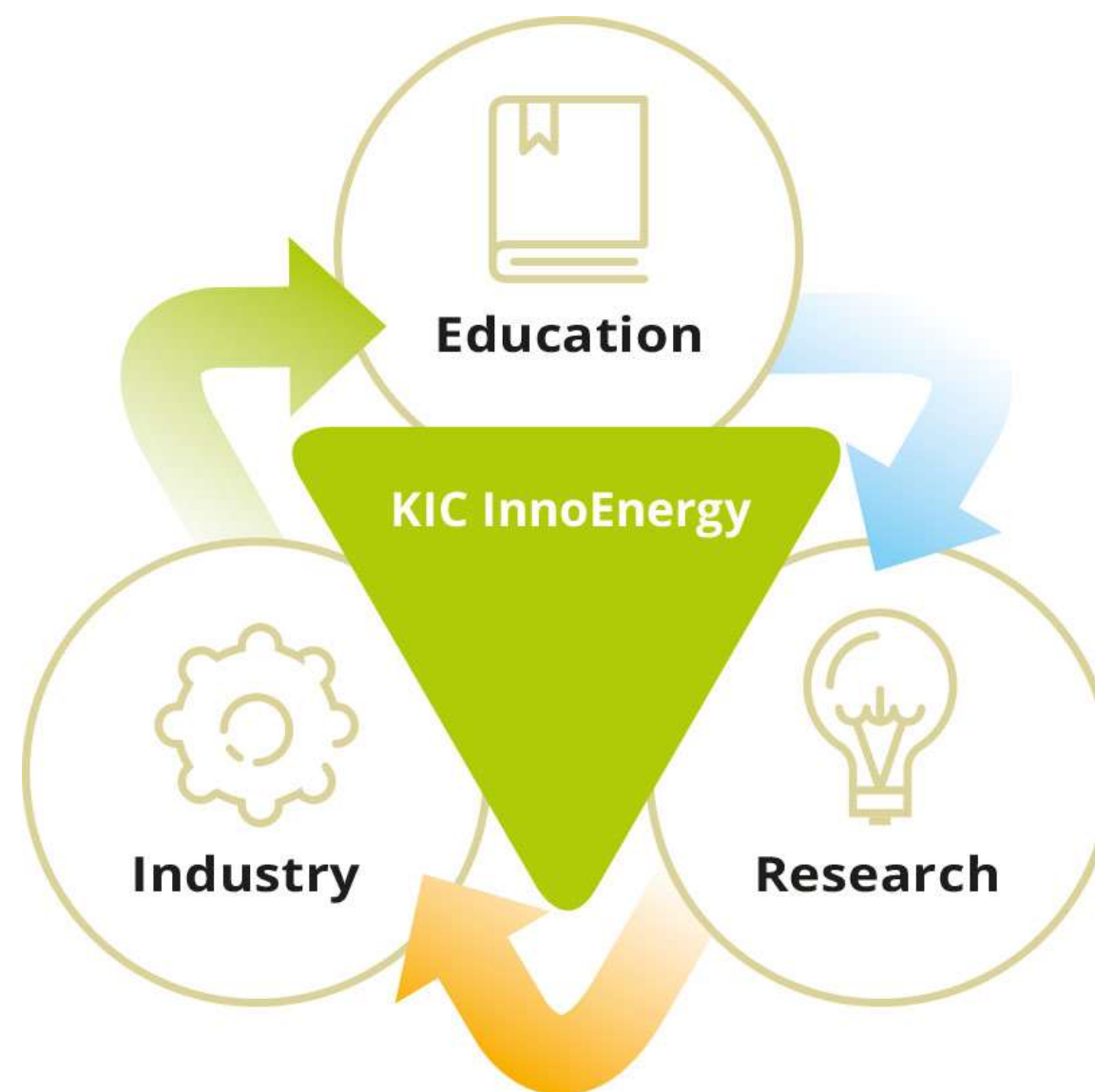
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- About KIC InnoEnergy
- Innovation in Europe
- Sustainability for Europe
- Network and connections
- Our services
  - Innovation Projects
  - Business Creation Services
  - Education

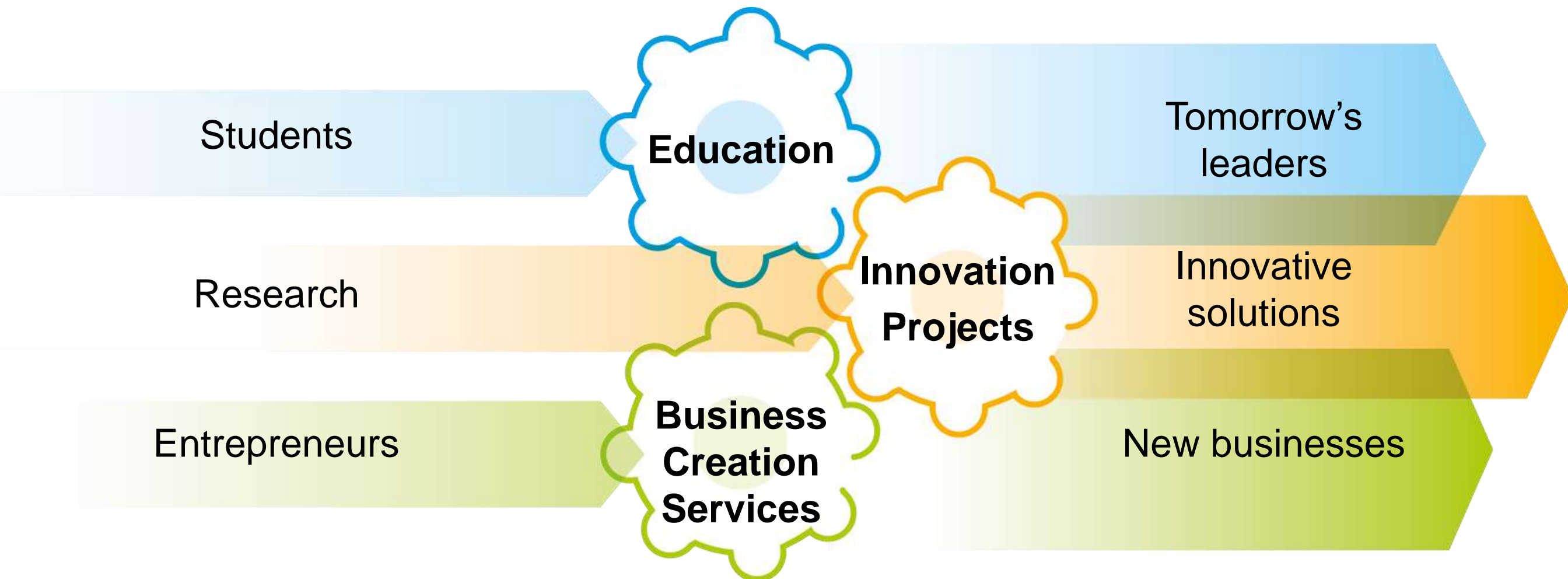
# Bringing the *Knowledge Triangle* to life

Strengthen EU innovation  
Creates tomorrow's entrepreneurs  
Increases sustainable growth  
Encourages global competitiveness



# The Innovation Engine for Europe

## KIC InnoEnergy





# Thematic fields and technology focus



Clean Coal and  
Gas Technologies



Energy Storage



Energy Efficiency



Energy from  
Chemical Fuels



Renewable  
Energies



Smart and Efficient  
Buildings and Cities



Smart  
Electric Grid



Sustainable Nuclear  
and Renewable  
Convergence

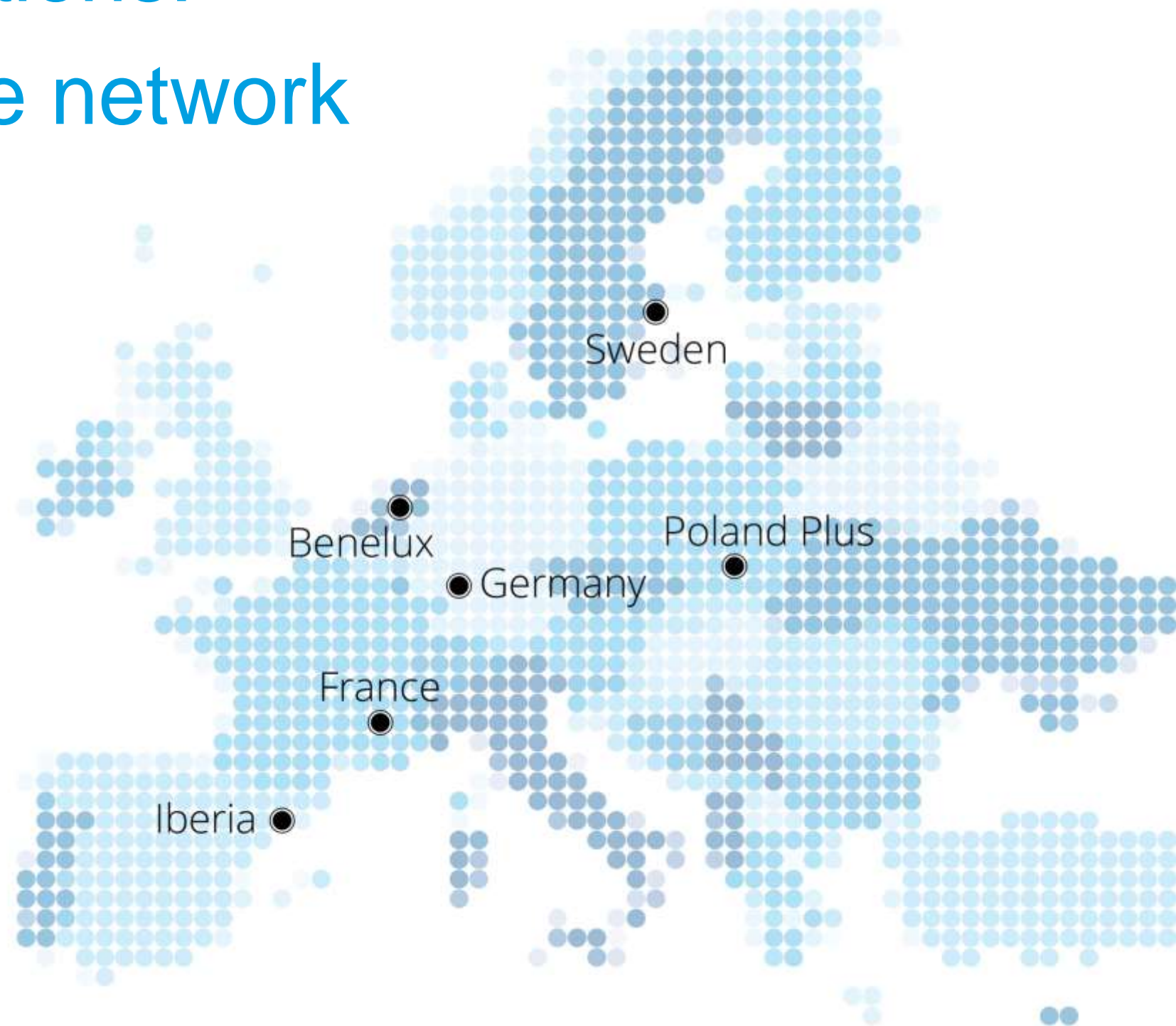
# Making connections: the power of the network

6 co-location centres

27 shareholders

160 additional partners

Activities in 17 countries



● Co-location Centres



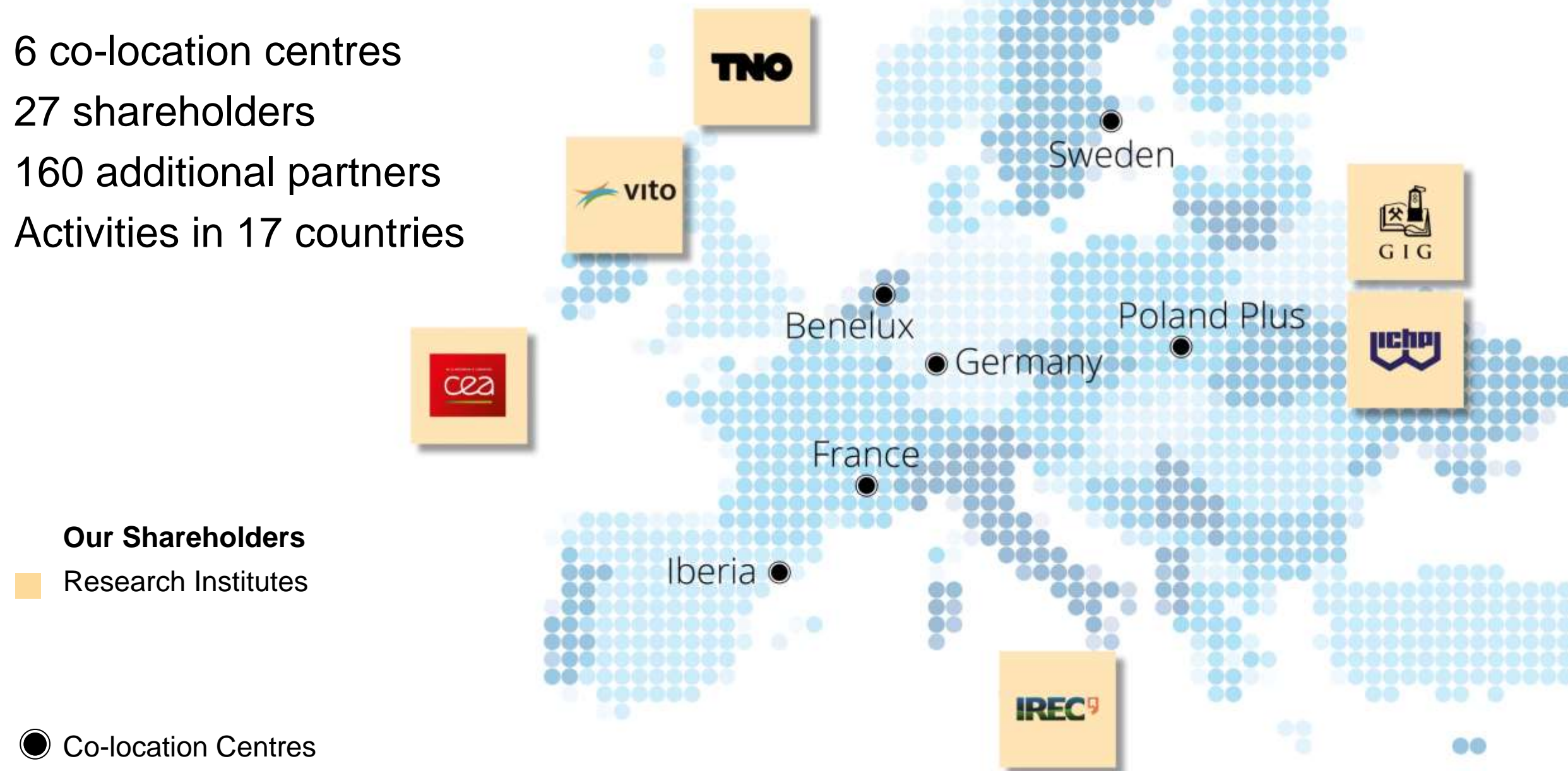
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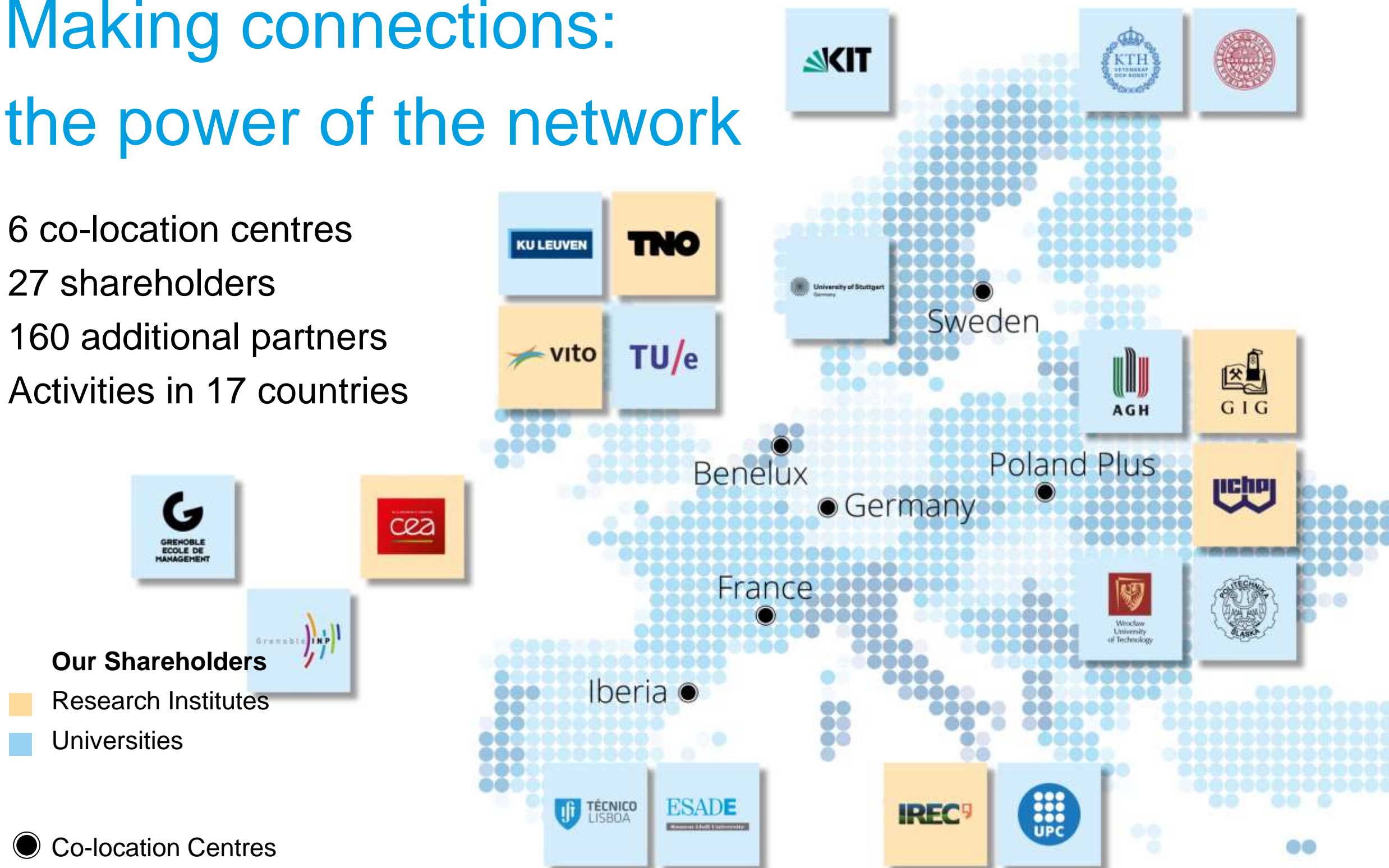
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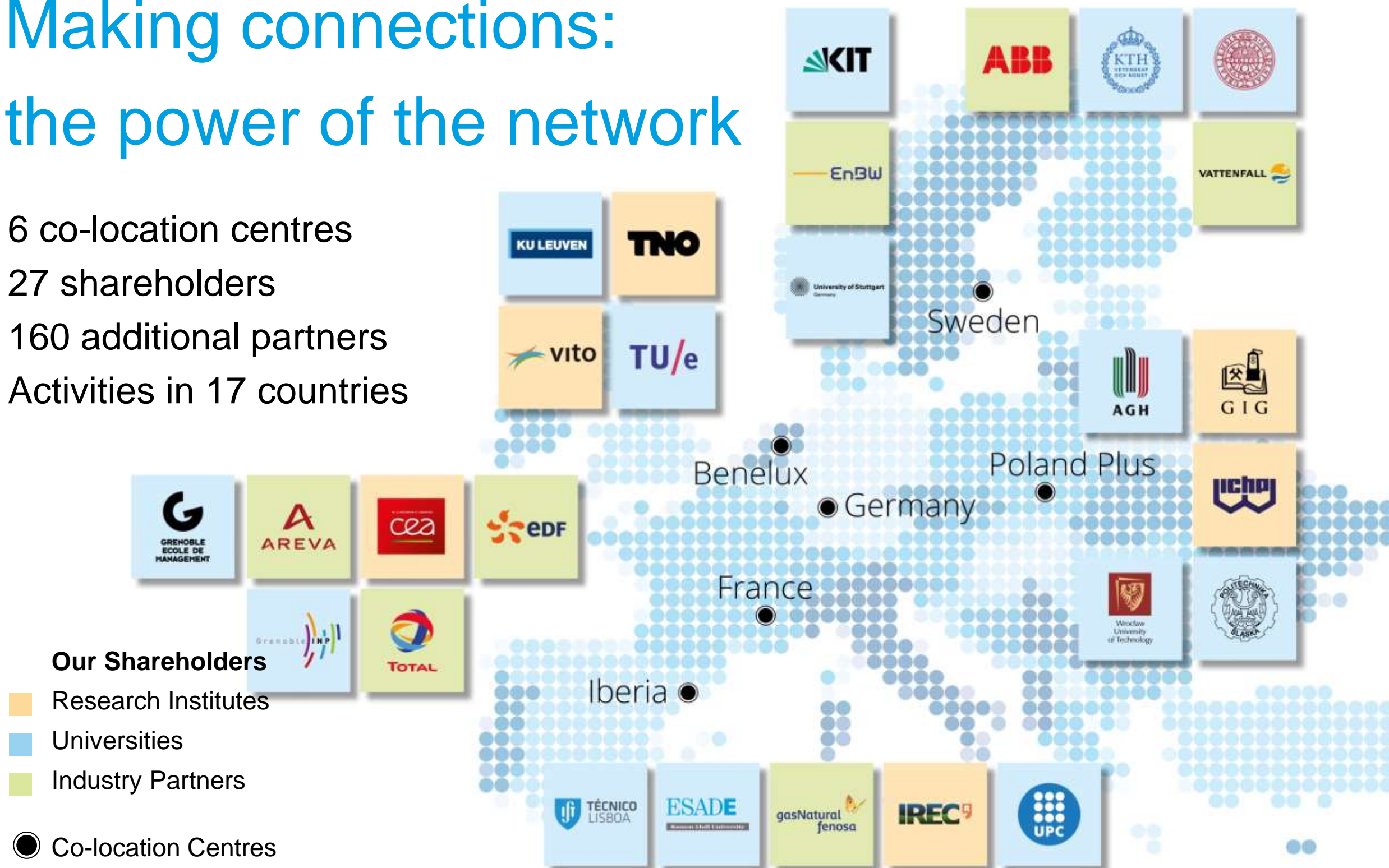
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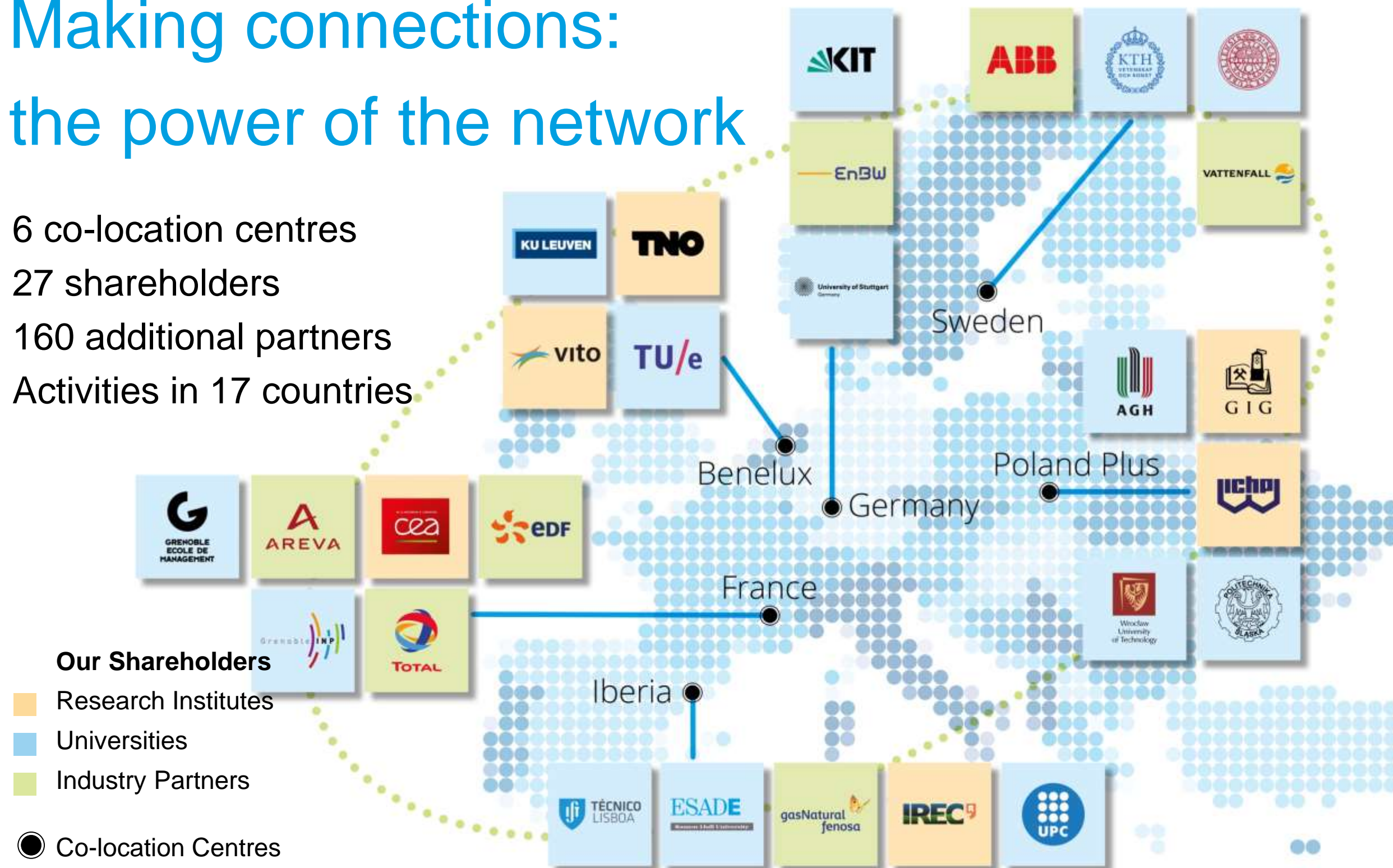
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# For every stage of the innovation journey



Innovation  
Projects



Business  
Creation Services



Education



# Connecting ideas and industry, innovators and business partners

## Simplifying the journey from lab to launch



Partners, skills and resources



Market needs and potential customers



Shorten time to market



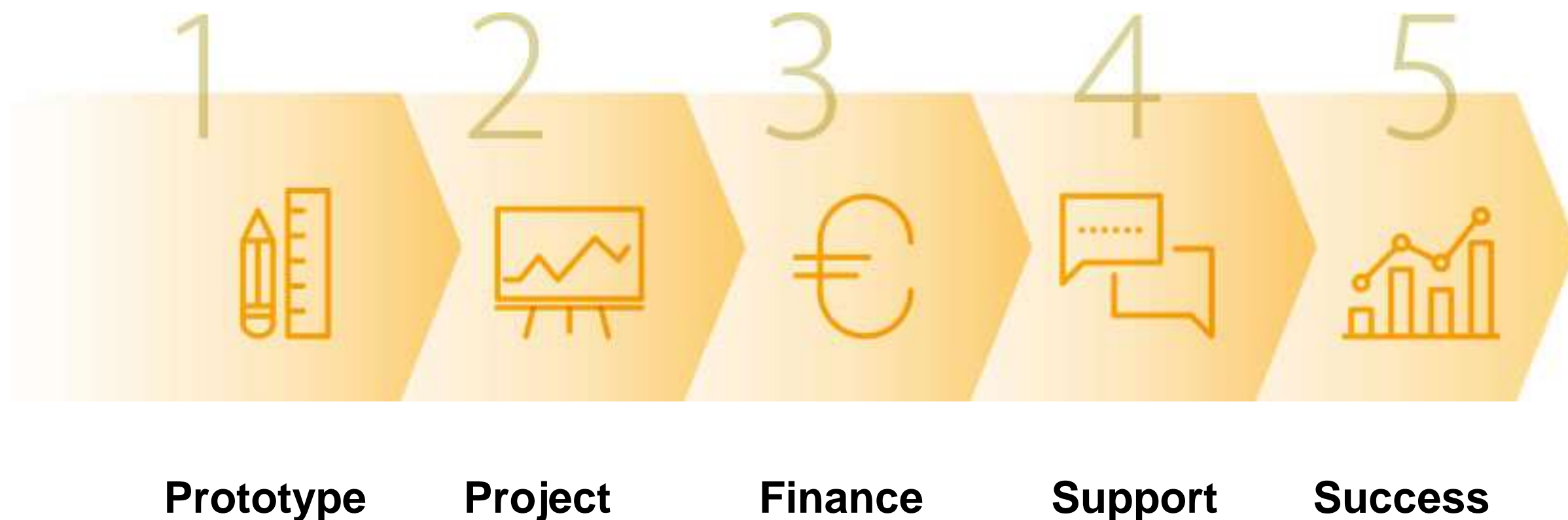
Financing and investment



A commercial product in 5 years

**Expanding the circle of innovation  
in Europe's energy sector**

# Turning prototypes into commercial products



# Innovation success

Neptune

*Wind power  
from sea to sea*



Renewable Energy

DeBugger

*Making the most  
of biomass*



Energy from  
Chemical Fuels

EFFIC

*Improving  
efficiency and  
cost of Solar PV*



Renewable Energy

24

Solutions used  
by industry

3

Manufacturing  
facilities constructed

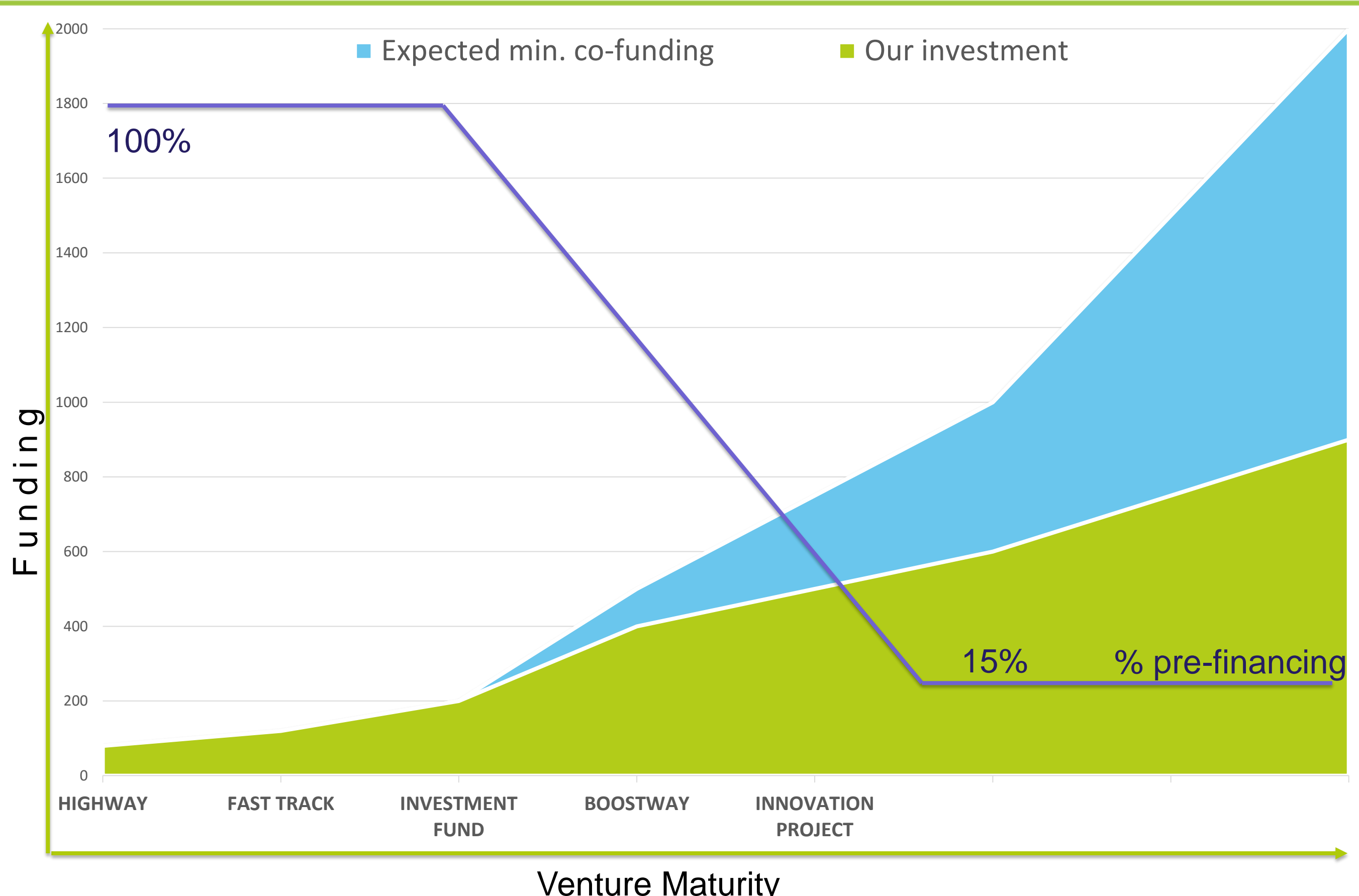
59

Patents filed

160

Project partners  
across Europe





# Connecting entrepreneurs and start-ups to markets and customers



## Tailored business support: the KIC InnoEnergy Highway™



Product: potential, development, pilot, launch



Market: opportunities, positioning, modelling, planning



People: capabilities, training, support, mentoring



Finance: seed money, VCs, angels, equity

**Viable technologies, sustainable businesses,  
entrepreneurial spirit**

## Support from business plan to first sale





# Entrepreneurial success

Dracula Technologies

*See the light with  
printed PV cells*



France  
Renewable Energy

OpenDomo

*Measuring energy  
consumption with  
Artificial Intelligence*



Iberia  
Smart and Efficient  
Buildings and Cities

GRADIS

*A new era  
of smart lighting*



Poland  
Smart Electric Grid

111

Early start-ups  
supported

55

New companies  
created

More than  
20

million euros  
of external  
investment raised

1292

Business ideas  
captured

# Connecting graduates and employers, researchers and industry



## Combining technical knowledge and commercial awareness



Improve career prospects



Deepen the industry's talent pool



Encourage innovation and entrepreneurship



Increase competitiveness

**Delivering smart people, skills and connections to Europe's energy sector**

# Educated individuals, engaged researchers, better business



## Master's School

- 7 programmes
- 11 universities
- 2 business schools
- 8 countries
- Lifelong community



## PhD School

- Customised training
- Commercial disciplines
- Access to partners' facilities
- Business Creation Services and Innovation Projects



## Executive and post-Master's education

- Executive MSc in Energy Engineering and Management
- MSc Innovation and Entrepreneurship
- PDEng in Smart Energy Buildings and Cities
- Online module in Social Innovation and Transition in Energy



## Our alumni

*“We need to invest more in green power”*



**Gregory Kotsis,**  
MSc SENSE  
Project engineer at IREC  
Barcelona

*“Long-term vision is the key to the future”*



**Roberta Cirillo,**  
MSc EMINE  
Research engineer, CEA  
Grenoble

*“Versatility, entrepreneurship and international experience”*



**Joeri Siborgs,**  
MSc Energy for Smart Cities  
R&D project engineer,  
Elia Brussels

280

Graduates from the  
KIC InnoEnergy  
Master's School

8000

Applicants to  
KIC InnoEnergy  
Master's School

93%

Graduates who find  
a job within six months  
of graduating

15%

Average annual  
salary earnings  
over graduates  
of similar programmes

**MEET THE**

**KIC-Start!**



Clusters, R&D, Tech parks, Incubators...

# A new approach to sustainability



**Connected**  
at the heart of  
Europe's energy  
sector

**Collaborative**  
bringing skills  
and resources  
together





**Commercial**  
sustainable  
businesses and  
viable technologies

**Challenging**  
new ways of  
working and  
thinking



# Thank you

# Any questions?

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