



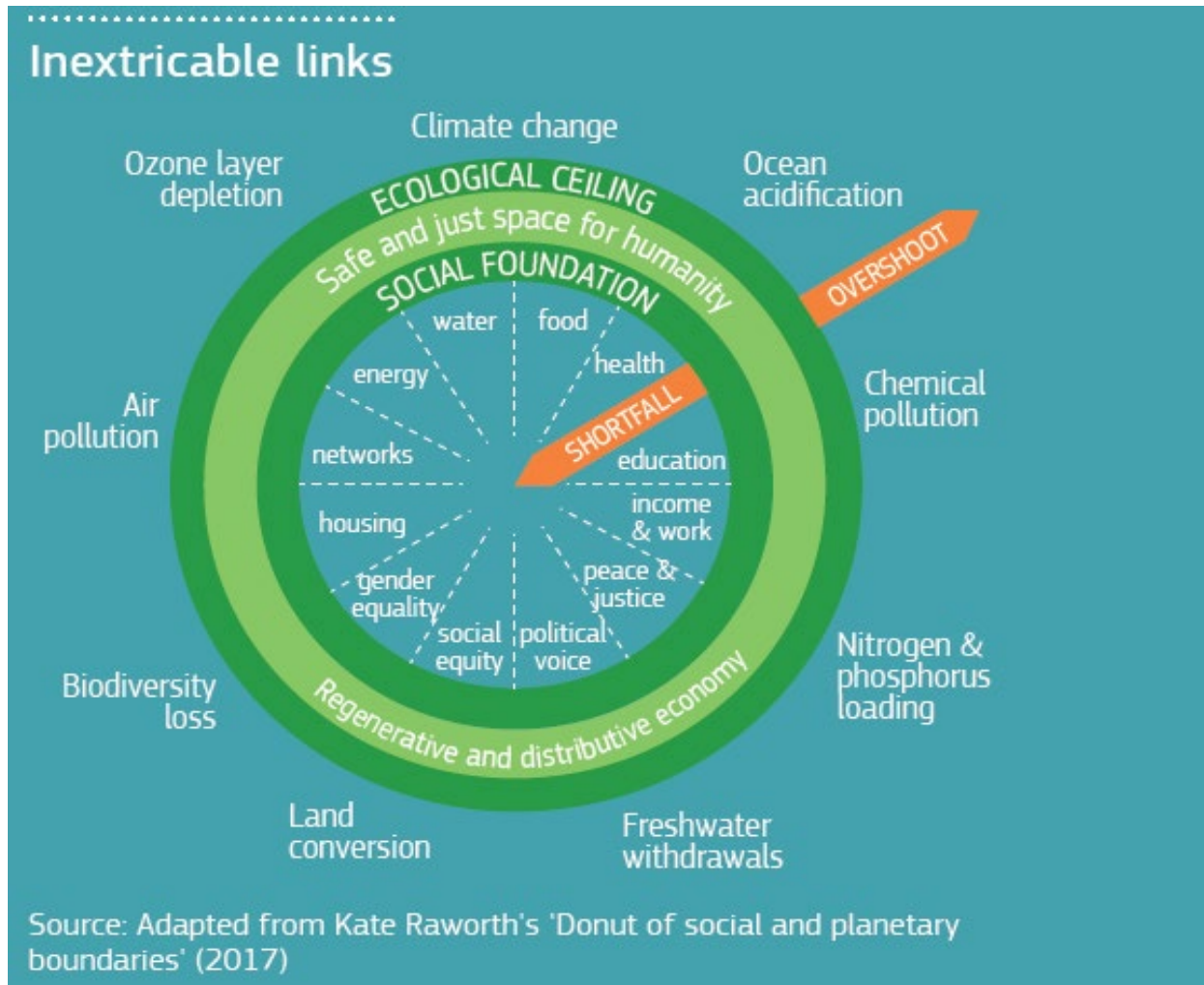
Sun-Ergy: Fossil-free fuels and chemicals for a carbon- neutral Europe

Brussels, 5 February 2020

**Closing the carbon cycle with a
European Green Deal**

**Dr. Peter Dröll, Director Prosperity,
DG R&I**

The Sustainability Puzzle



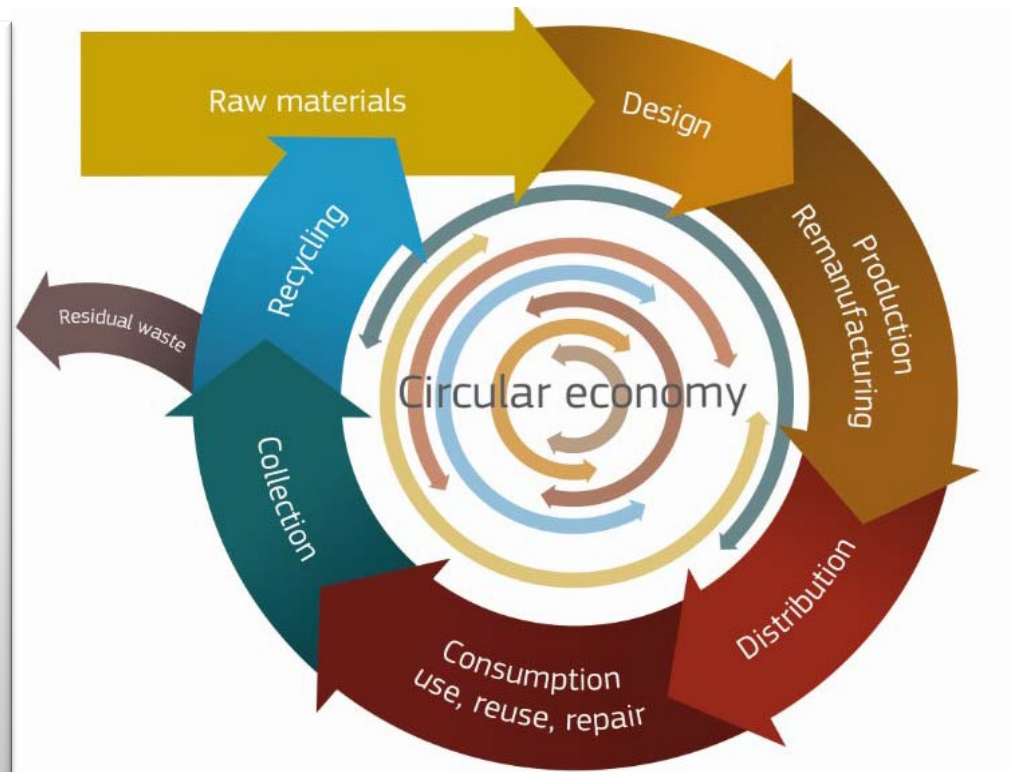
EU progress towards UN-SDGs



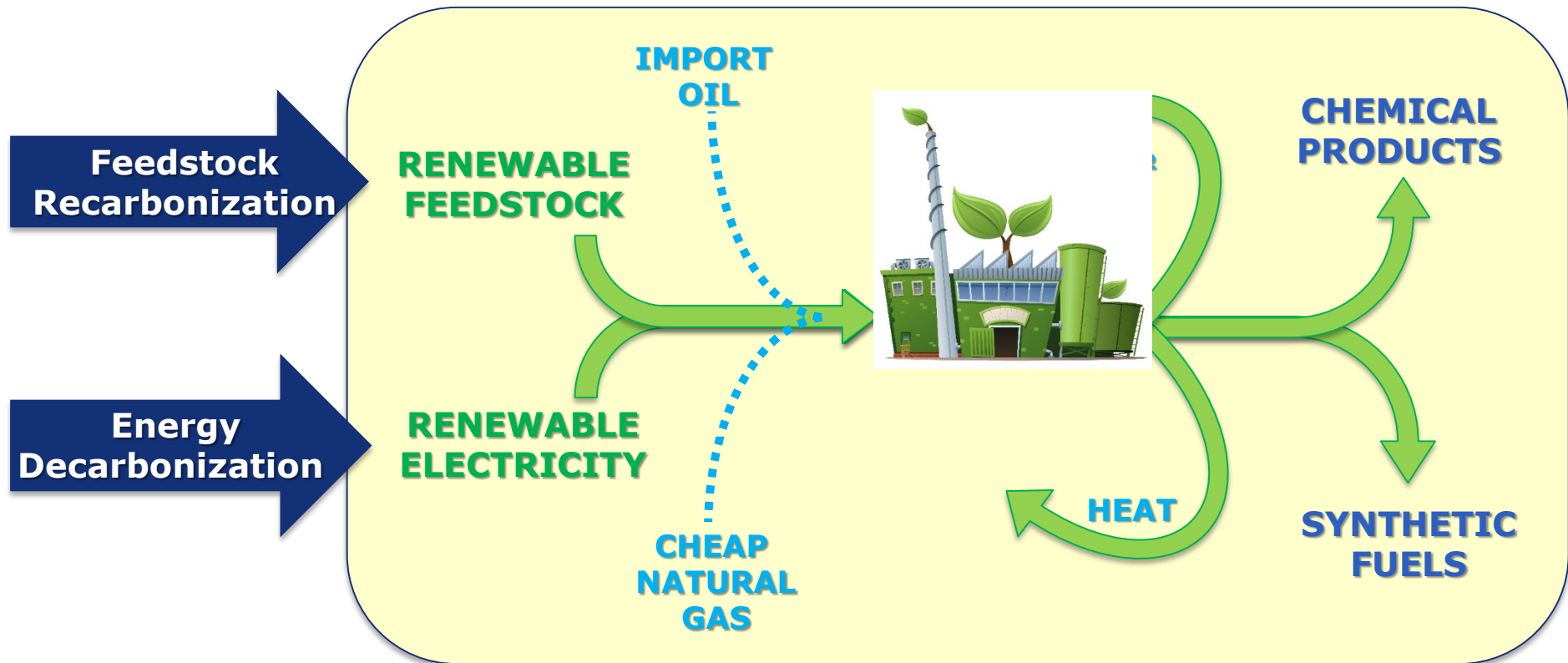
Source: Eurostat 2019

The Challenge (1)

- no longer linear
- extended life time
- collaborative approach
- cross-sectors
- multi-stakeholders
- innovation in all forms
- design strategies
- new business models
- demand-side measures



The Challenge (2)





European
Commission

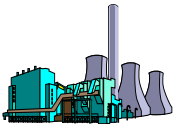
The challenge (3)

Input

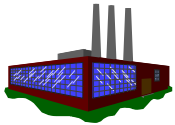


Output

PACKAGING



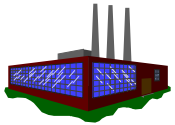
**Solvents,
Catalysts &
Auxiliaries**



WATER

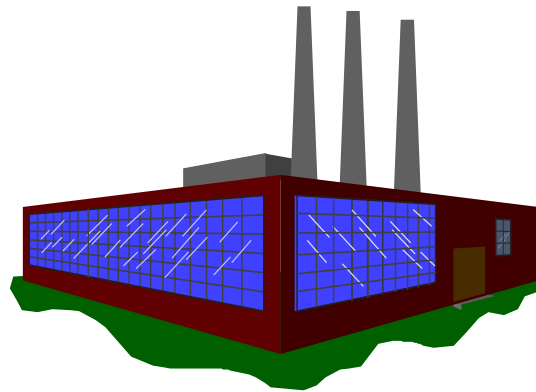


ENERGY



**RAW
MATERIAL**

**Process
Catalysis**



**Catalysis
Recycling**



PRODUCTS

By-products

**CO2 and
emissions**

**WASTE
WATER**

Residues

**Landfill
Waste**

The Green Deal and the Sustainable Investment Plan



The Sustainable Europe Investment Plan

Mobilising at least **€1 trillion** of investments over the course of 10 years, thanks to the combined:

- capital from EU and national budgets;
- public and private investments;
- additional measures to facilitate and boost green public and private investment;
- attractive investment conditions;
- technical assistance to help investors in selecting sustainable projects.



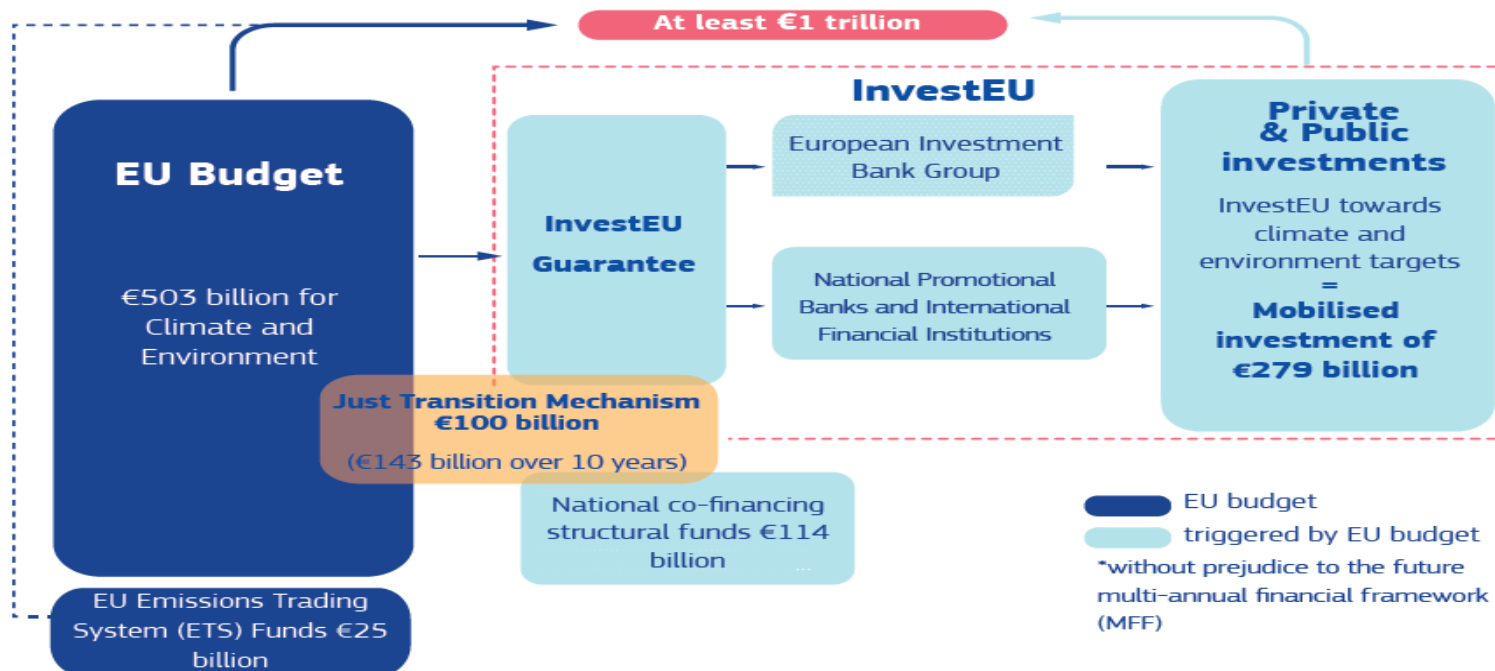
25% of all European Union funding for climate measures



30% of InvestEU to projects that fight climate change



Stimulating green investments with support from the EIB Group



*The numbers shown here are net of any overlaps between climate, environmental and Just Transition Mechanism objectives.

Horizon 2020

NMBP-24-2018 (Catalytic transformation): 3 projects, ~ 20 Mio €

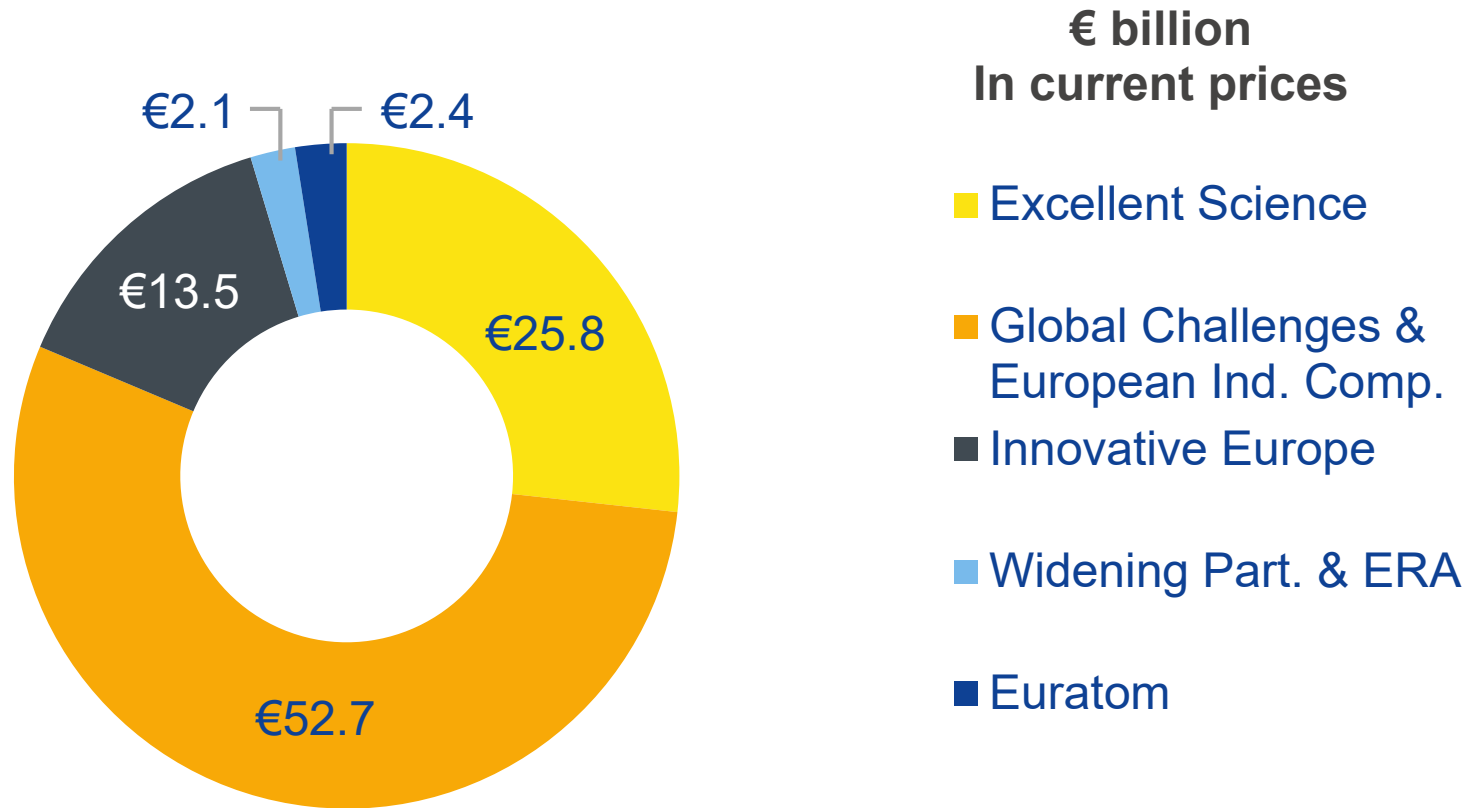
NMBP-25-2019 (Photocatalysis): 3 projects, ~ 19 Mio €

NMBP-29-2019 (Mat. Energy Storage): 4 projects, ~ 22 Mio Euro

and

New € 1 bn Green Deal call 2020

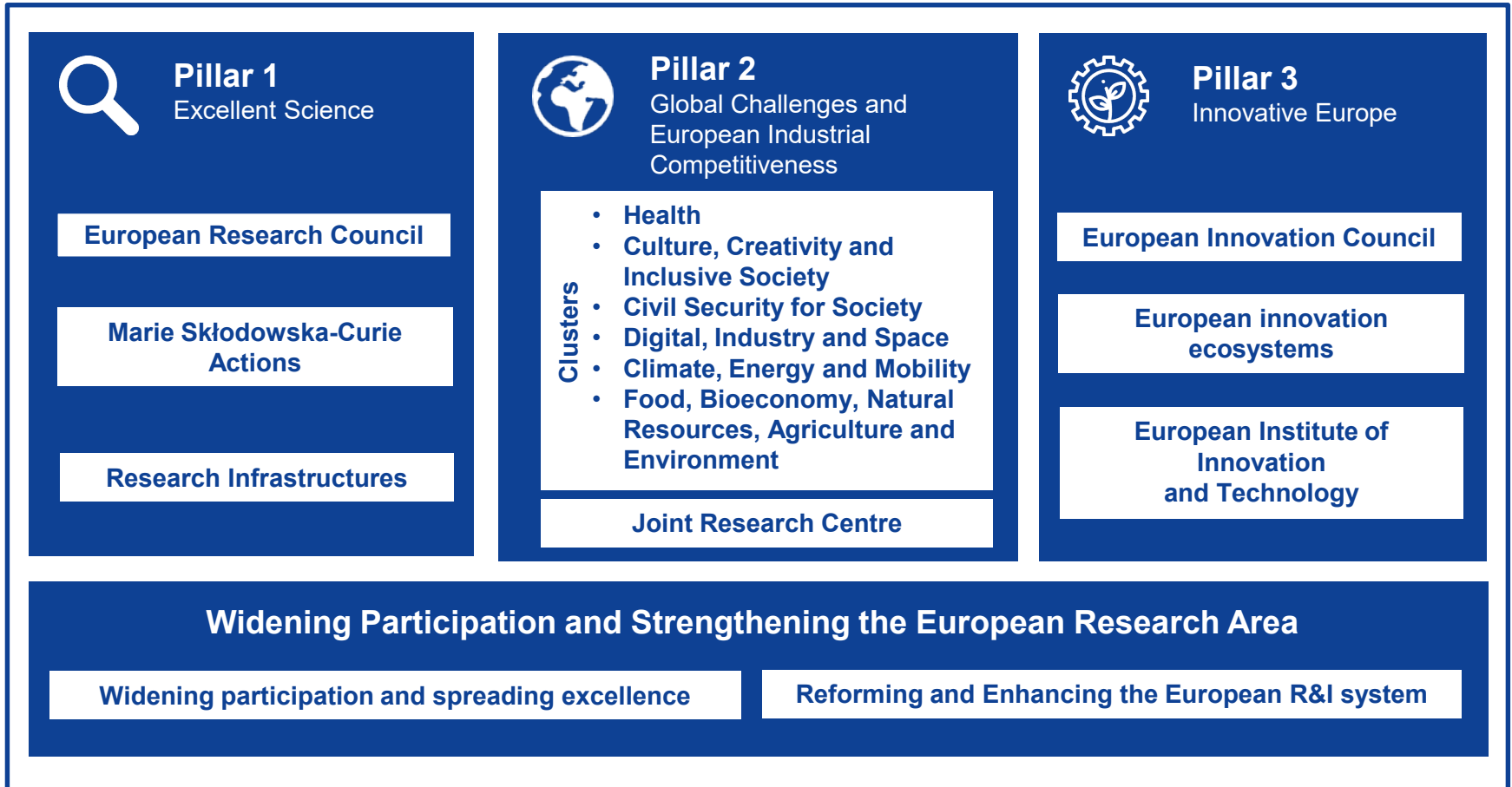
Horizon Europe



* Commission proposal: **€100 billion*** (2021-2027)

This envelope includes EUR 3.5 billion allocated under the InvestEU Fund.

Horizon Europe: Preliminary structure



Strategic plan gives direction to the work programme



Main Features

Early involvement and extensive exchanges with Member States

Extensive exchanges with the European Parliament

Consultations with stakeholders and public at large



RESEARCH & INNOVATION TO DRIVE THE GREEN DEAL

#EUGreenDeal | #InvestEURResearch

