



2nd meeting of the EU Refining Forum

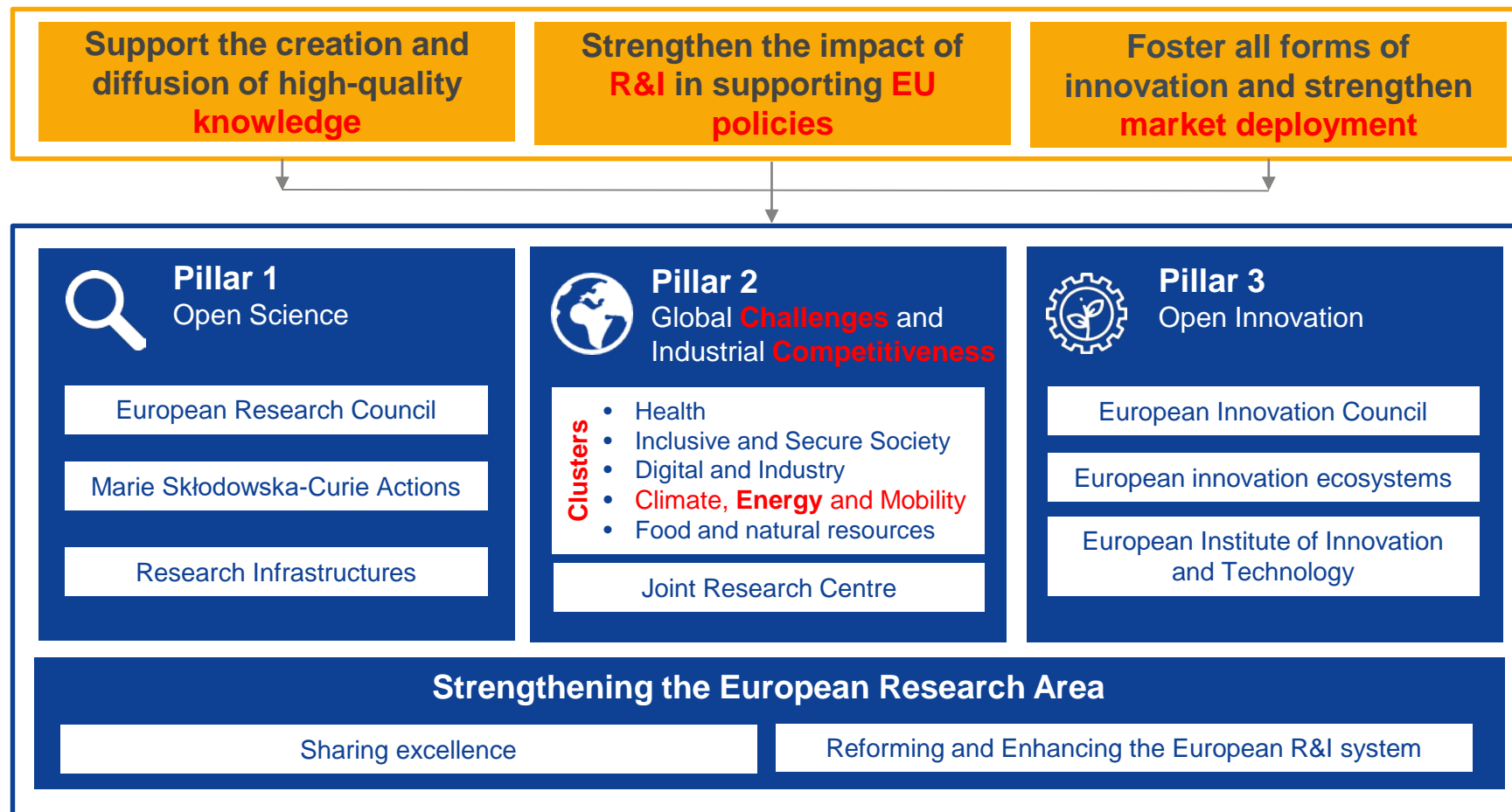
Brussels, 7 December 2018

DG ENER

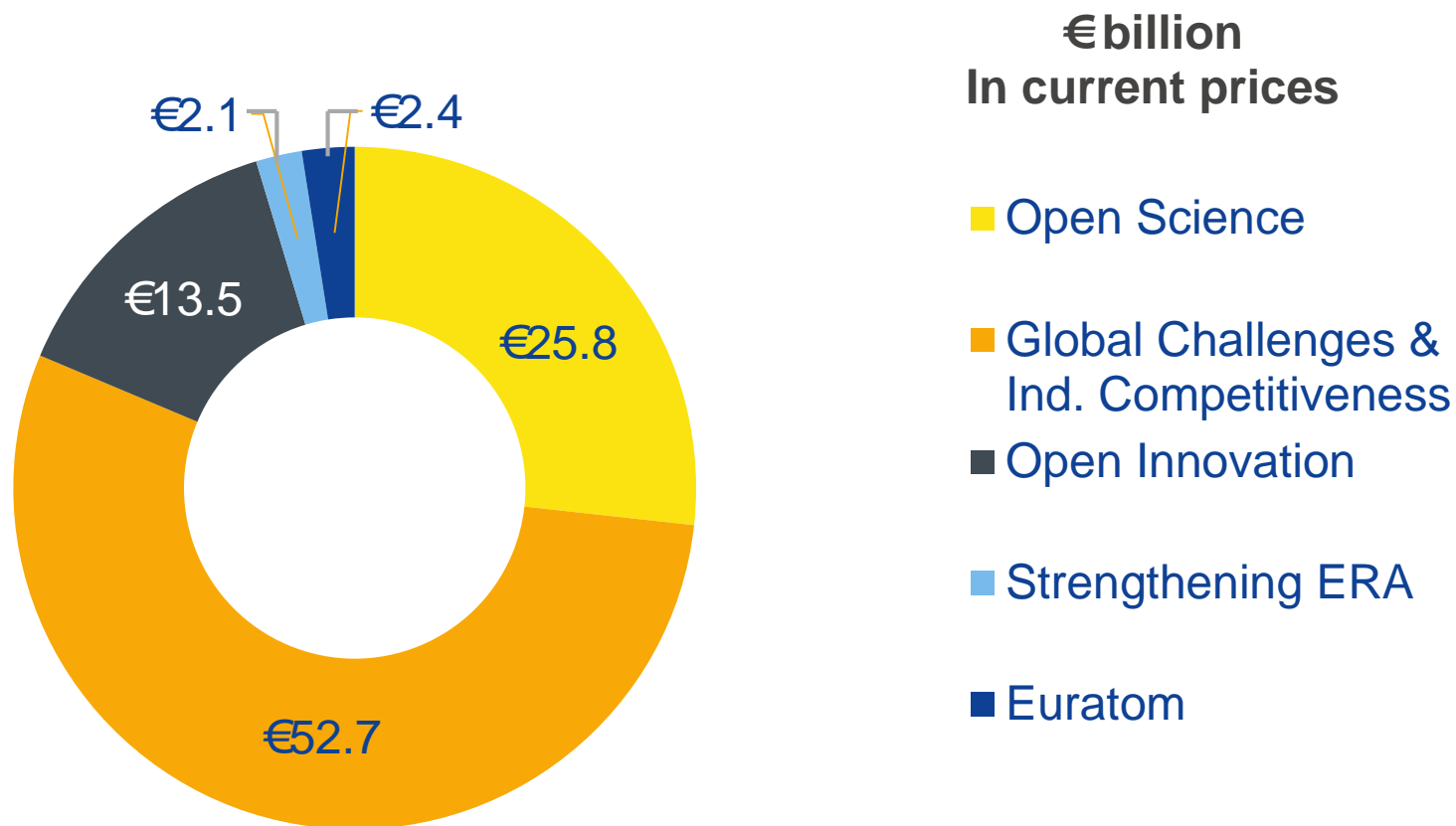
Peter HORVATH

Horizon Europe - overview

Specific objectives of the Programme



HEU budget: €100 billion* (2021-2027)



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

Pillar 2

Global Challenges & Industrial Competitiveness:

boosting key technologies and solutions underpinning
EU policies & Sustainable Development Goals

Clusters implemented through usual calls, missions & partnerships	Budget (€ billion)
Health	€ 7.7
Inclusive and Secure Societies	€ 2.8
Digital and Industry	€ 15
Climate, Energy and Mobility	€ 15
Food and Natural Resources	€ 10
Joint Research Centre supports European policies with independent scientific evidence & technical support throughout the policy cycle	€ 2.2

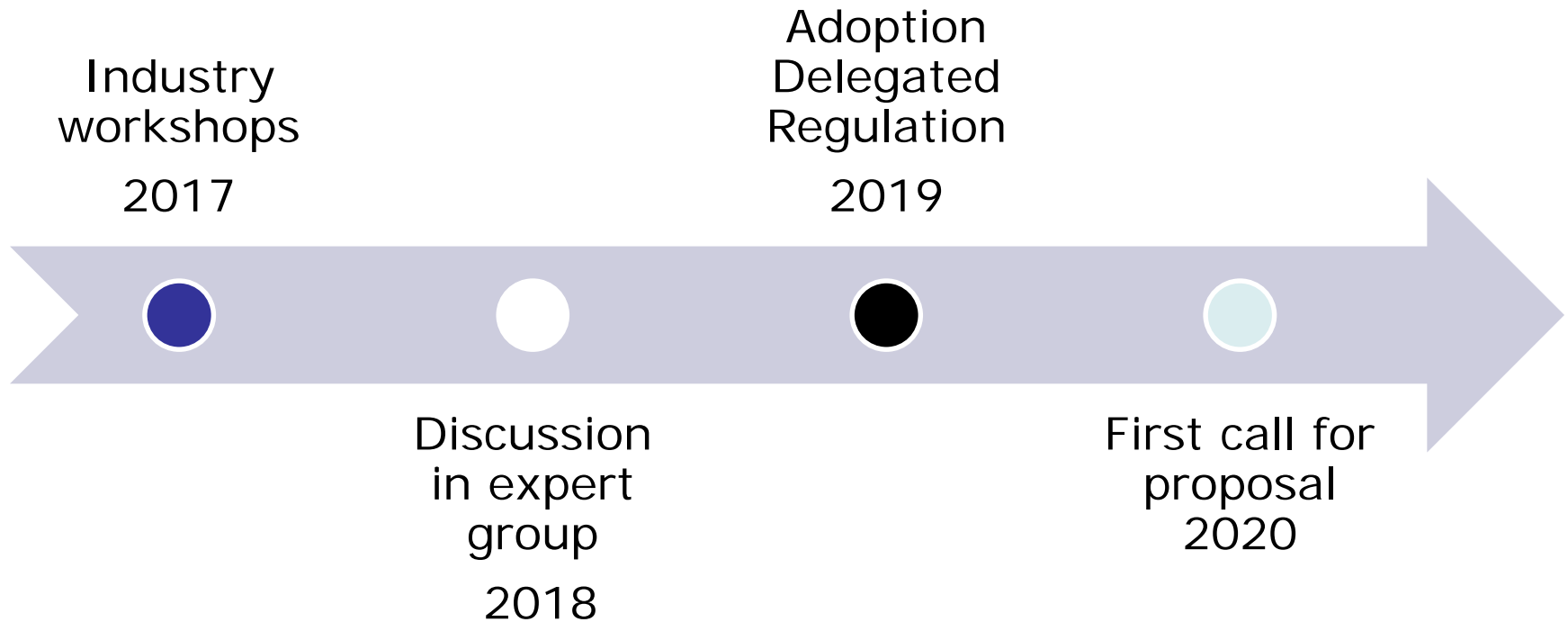
Clusters in 'Global Challenges and Industrial Competitiveness'

Clusters	Areas of intervention	
Health	<ul style="list-style-type: none"> * Health throughout the life course * Non-communicable and rare diseases * Tools, technologies and digital solutions for health and care 	<ul style="list-style-type: none"> * Environmental and social health determinants * Infectious diseases * Health care systems
Inclusive and Secure Societies	<ul style="list-style-type: none"> * Democracy * Social and economic transformations * Protection and Security 	<ul style="list-style-type: none"> * Cultural heritage * Disaster-resilient societies * Cybersecurity
Digital and Industry	<ul style="list-style-type: none"> * Manufacturing technologies * Advanced materials * Next generation internet * Circular industries * Space 	<ul style="list-style-type: none"> * Key digital technologies * Artificial intelligence and robotics * Advanced computing and Big Data * Low carbon and clean industry
Climate, Energy and Mobility	<ul style="list-style-type: none"> * Climate science and solutions * Energy systems and grids * Communities and cities * Industrial competitiveness in transport * Smart mobility 	<ul style="list-style-type: none"> * Energy supply * Buildings and industrial facilities in energy transition * Clean transport and mobility * Energy storage
Food and Natural Resources	<ul style="list-style-type: none"> * Environmental observation * Agriculture, forestry and rural areas * Food systems * Circular systems 	<ul style="list-style-type: none"> * Biodiversity and natural capital * Sea and oceans * Bio-based innovation systems

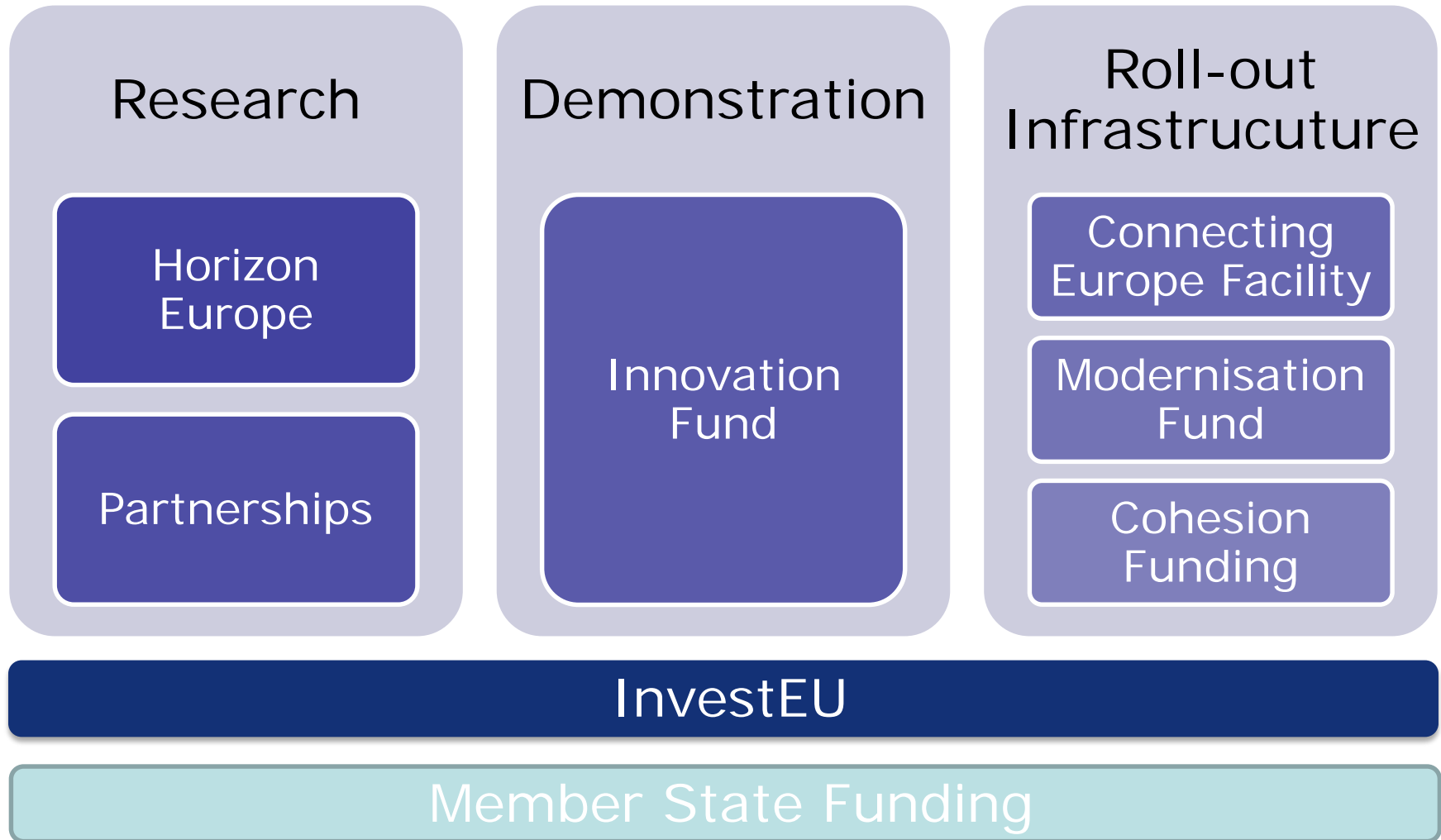
Innovation Fund - overview

NER300		Innovation Fund	Impact	
Size	300m allowances	≥ 450m allowances	➡	Substantial increase in funding
Scope	Limited to renewable energy and CCS	Extended to energy-intensive industry	➡	Greater technology coverage
Grant amount	Up to 50% of relevant costs	Up to 60% of relevant costs	➡	Higher support
Disbursement of grants	Only upon verified avoidance of CO ₂ emissions	40 % of support need not be dependent on verified avoidance of CO ₂ emissions	➡	Upfront risk-sharing possible

Innovation Fund - timeline



Complementarity of EU funds



Connecting Europe Facility

- *Cross-border carbon dioxide network*
- *3rd list of Projects of Common (PCIs): 2/4 selected for funding:*
 - ✓ **Port of Rotterdam**
 - ✓ **Pale Blue Dot of the Acorn CO₂ Sapling**
- *Call for proposals for the 4th list of Projects of Common (PCIs) – open till 7 March 2019*

Thank you for your attention

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