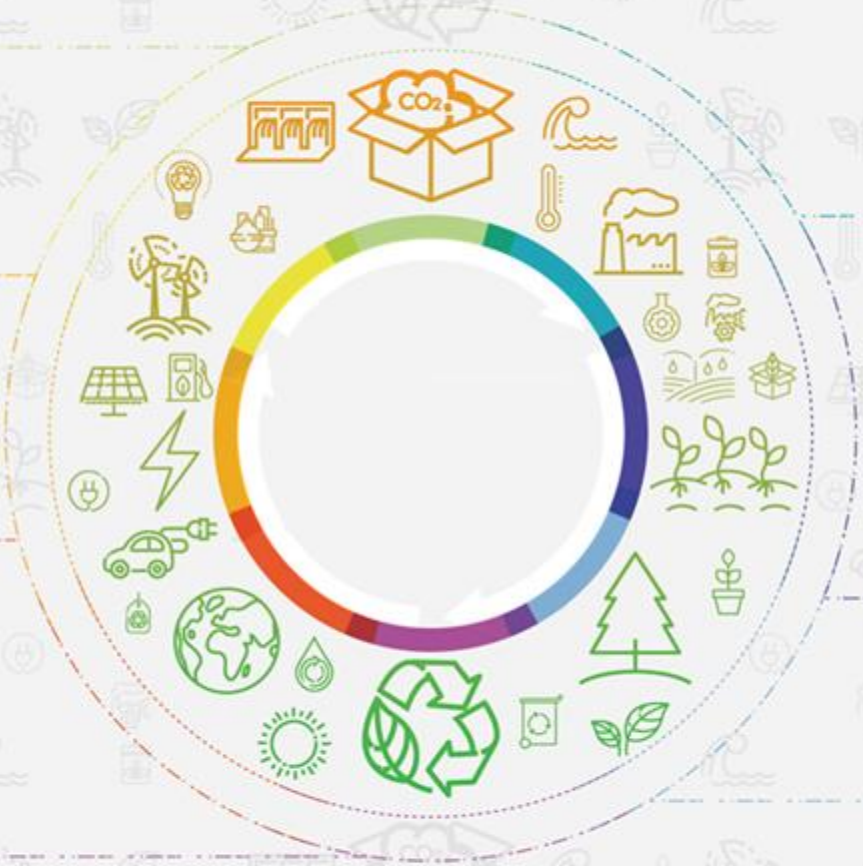
A Clean Planet for all

A European strategic long term vision for a prosperous, modern, competitive and climate neutral economy

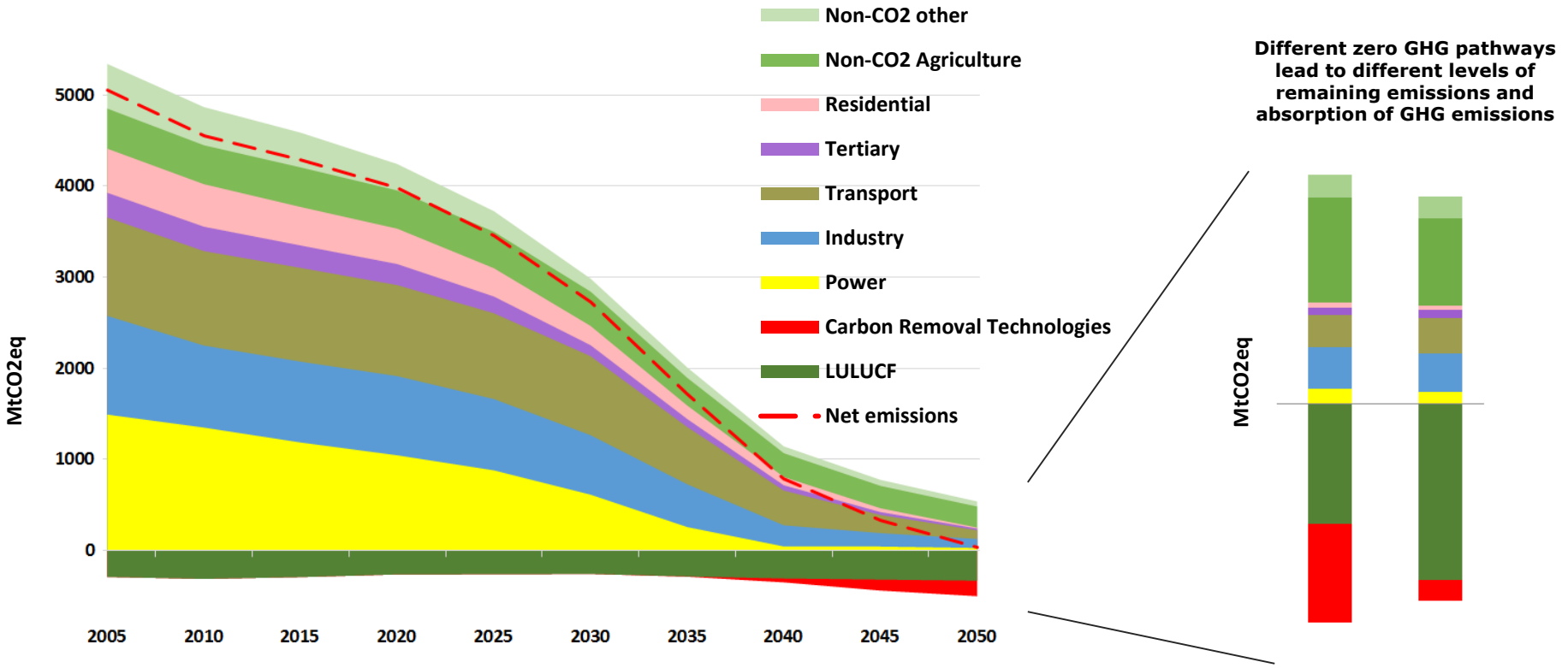


Building blocks for 2050

1. Energy efficiency
2. Deployments of renewables
3. Clean, safe & connected mobility
4. Competitive industry and circular economy
5. Infrastructure and inter-connections
6. Bio-economy and natural carbon sinks
7. Tackle remaining emissions with carbon capture and storage

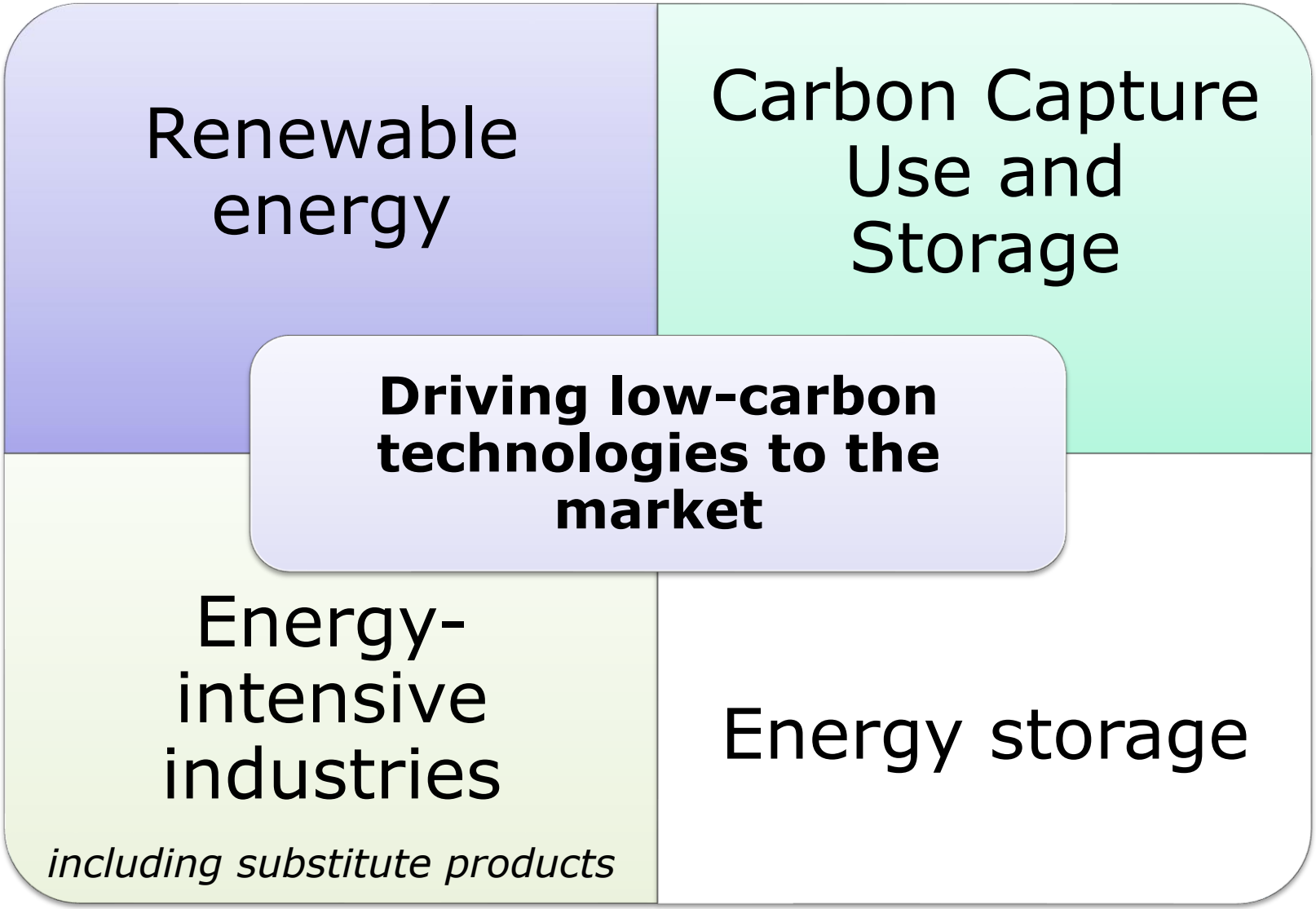
Vision for a Clean Planet by 2050

Several pathways for a climate neutral Europe, challenging but feasible from technological, economic, environmental and social perspectives



European Commission

Innovation Fund



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Key features of the Innovation Fund

Volume of at least EUR 10 billion at current carbon prices

Support of up to 60% of additional costs related to innovative technology

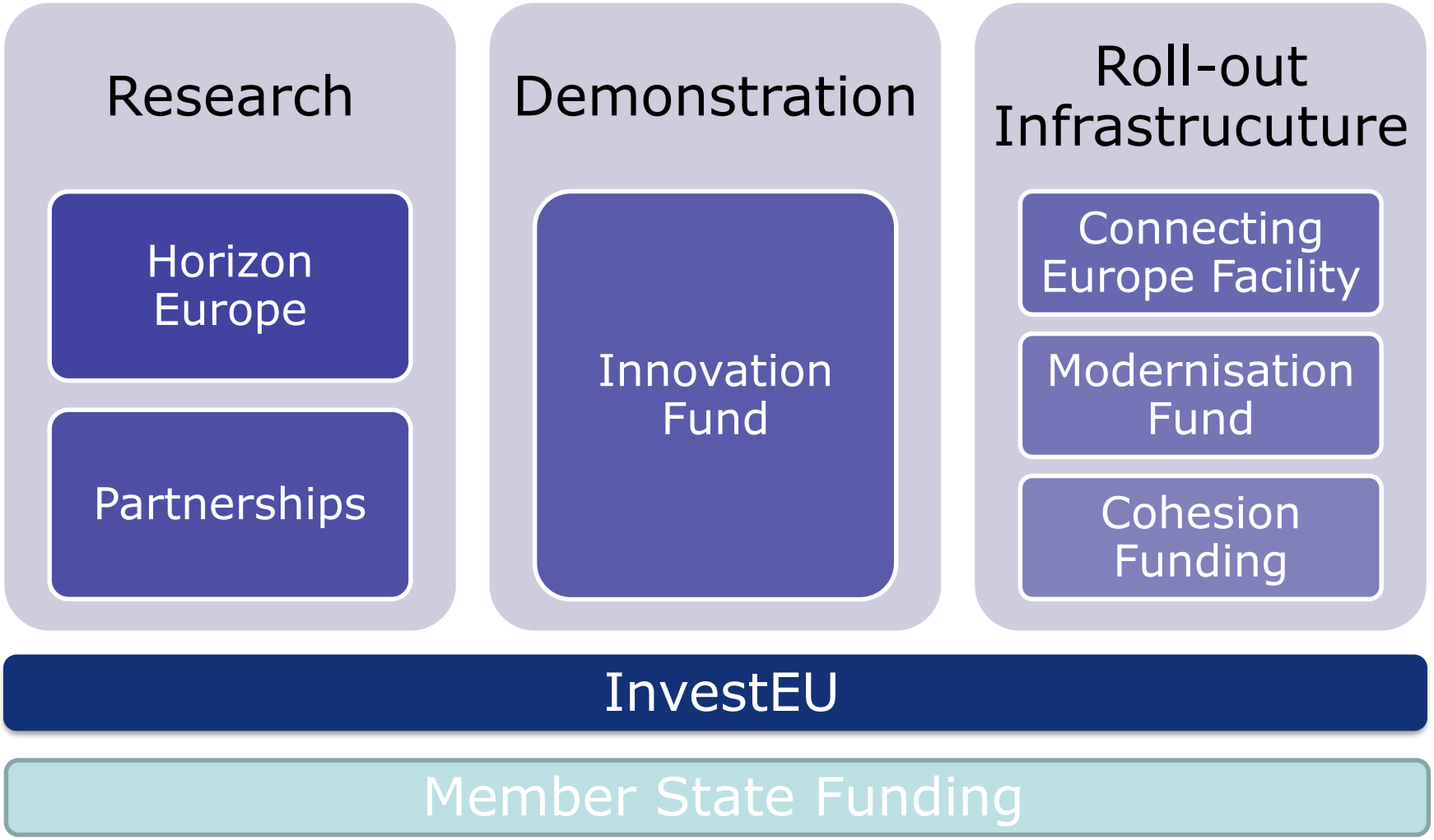
First call expected for 2020 and regular calls up to 2030

Financed from the revenues of the EU Emissions Trading System

Support of additional capital and operating costs (up to 10 years)

Comprehensive selection criteria and project development assistance

Synergies – Innovation Fund



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Technology and business

Selection criteria

- Greenhouse gas emissions avoidance
- Degree of innovation
- Project maturity
- Scalability
- Cost efficiency

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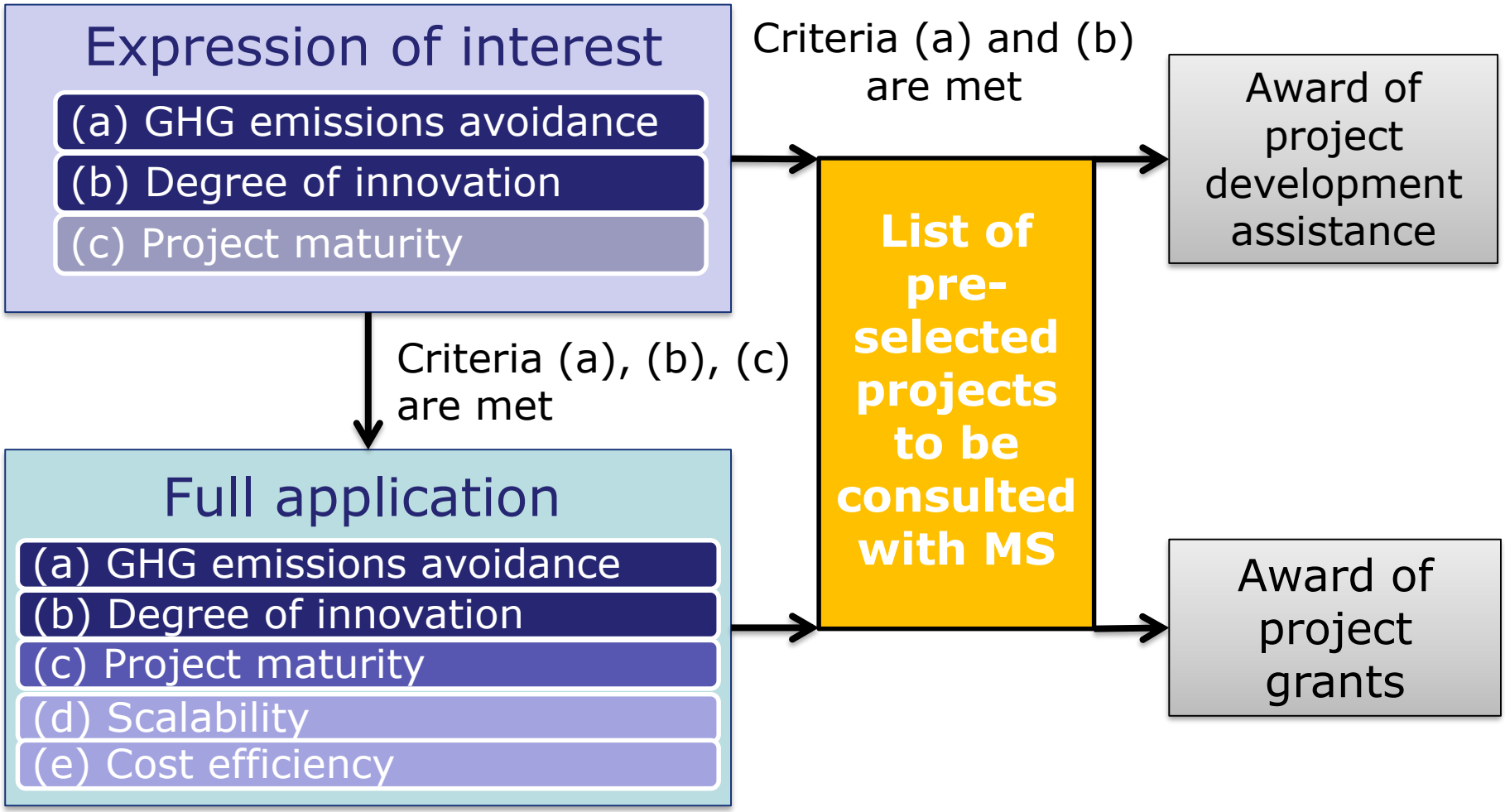
Two-stage selection process



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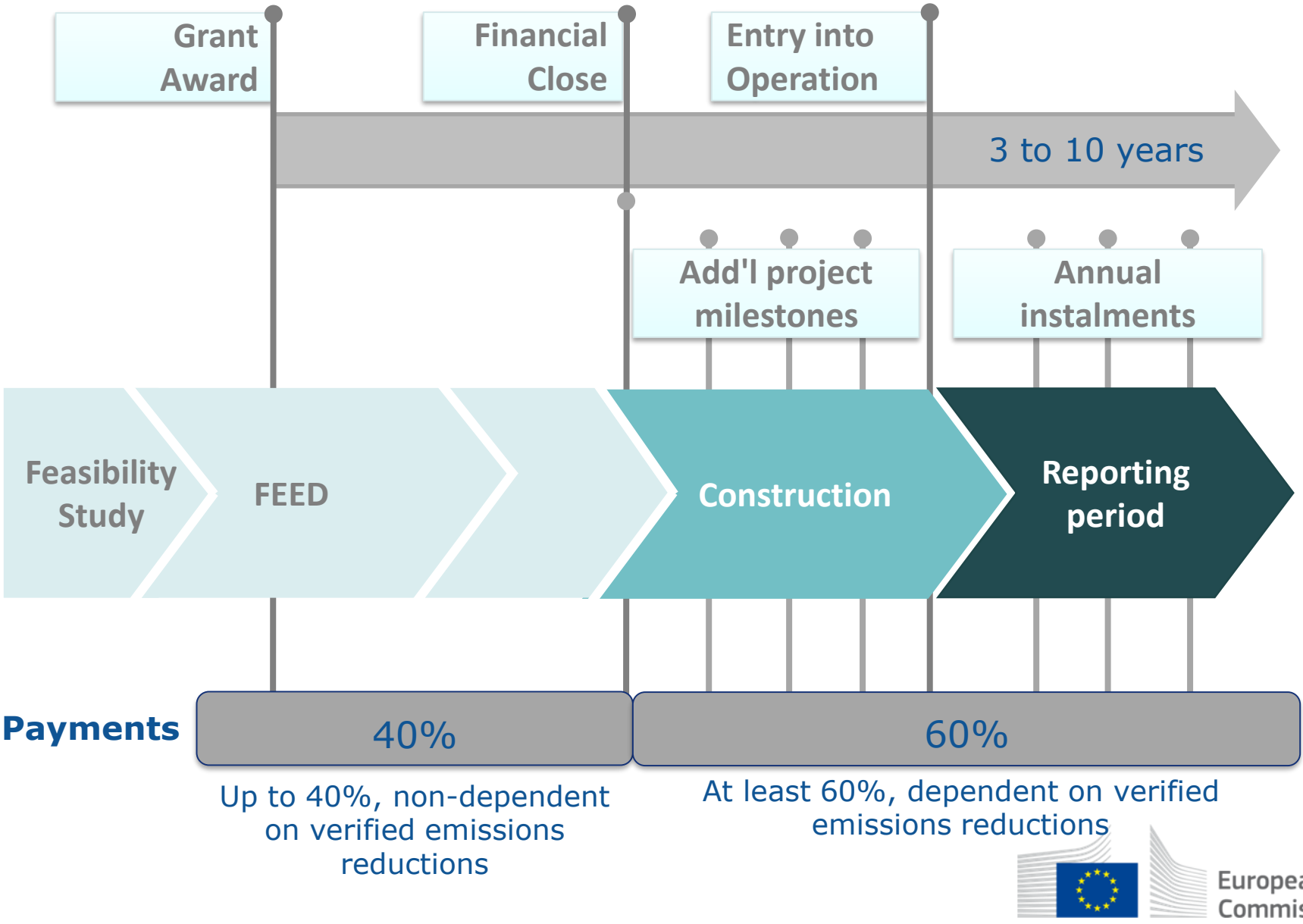
Support across project life-cycle



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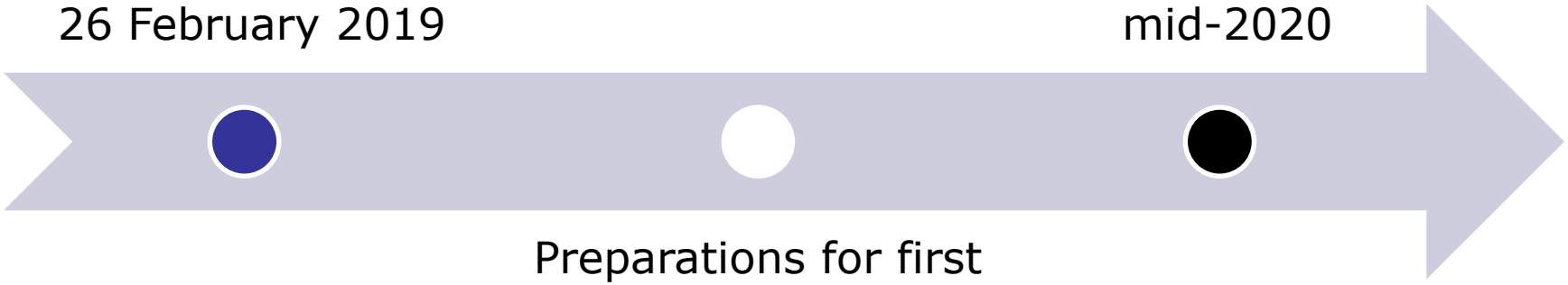
Timeline – Innovation Fund



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How to match project design and Innovation Fund (IF) support

Complexity and synergies

- # of activities and partners *e.g. CCUS or sector coupling*
- Target IF support to certain activities?
- Synergies with other funding *e.g. for infrastructure*

Timing

- Can project be split in several stages?
- IF support to be provided over several calls?

Additional costs and risks

- What are the major costs and risks?
- IF support for capital and/or operating costs? (construction vs operation)
- To which extent should risks (e.g. carbon price) be covered?

How to best select projects?

What are "best practice" examples?

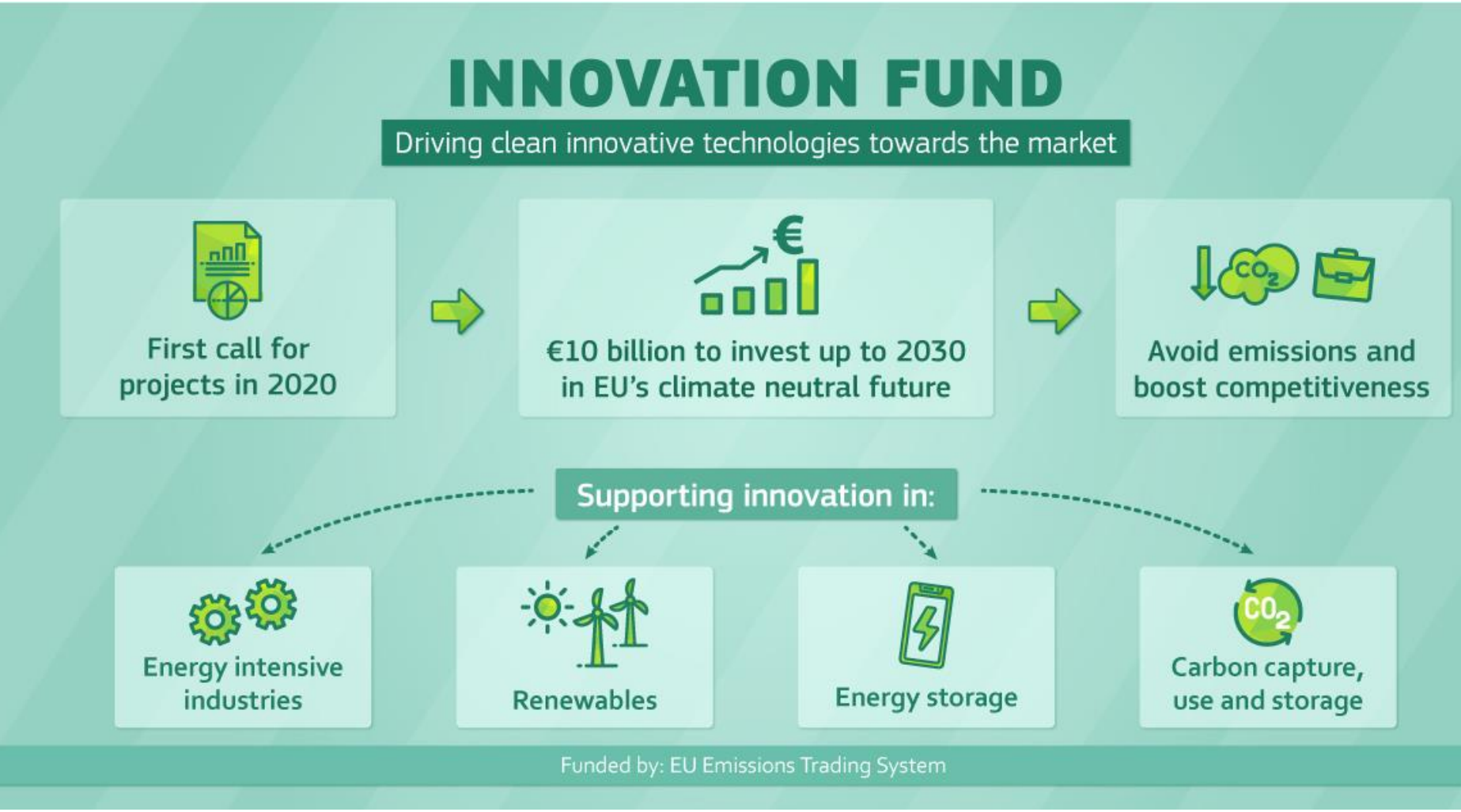
- e.g. ARPA-E programme by US DoE
- Other EU programmes

Selection criteria

- How to calculate emissions avoidance?
- How to assess degree of innovation and market potential?
- Which level of proof for technical, regulatory and financial feasibility and readiness?
- Cost efficiency based on NER300 experience

Selection process

- Which level of proof for expression of interest?
- Which level of proof for full assessment?



https://ec.europa.eu/clima/policies/innovation-fund_en

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