



Innovation Fund

Zielona transformacja na Pomorzu

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CINEA



Agenda

1. CINEA
2. Innovation Fund
3. Next calls

What is CINEA

CINEA in a nutshell



~ **56 billion** for the period
2021-2027



> **500 staff** by 2027



from 2800+ projects managed in
October 2021 to > **4500 projects**
in 2027

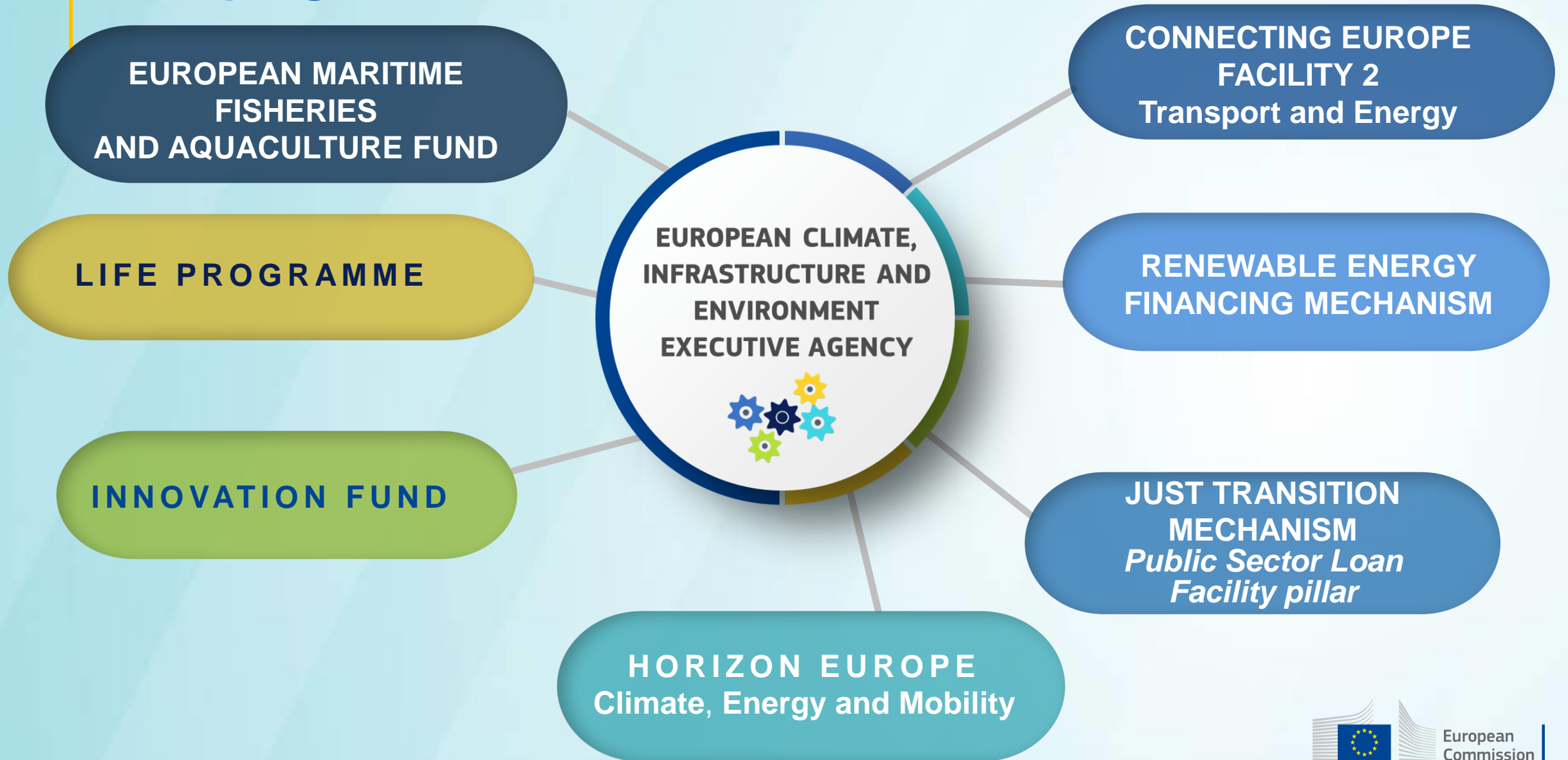
- **Policy feedback** as an essential part of funding activities
- **Expertise** at the service of **beneficiaries** in managing the complete life cycle of projects
- Exploitation of **synergies** and dynamic ways to work **across programmes**

CINEA's key contribution to EU Green Deal



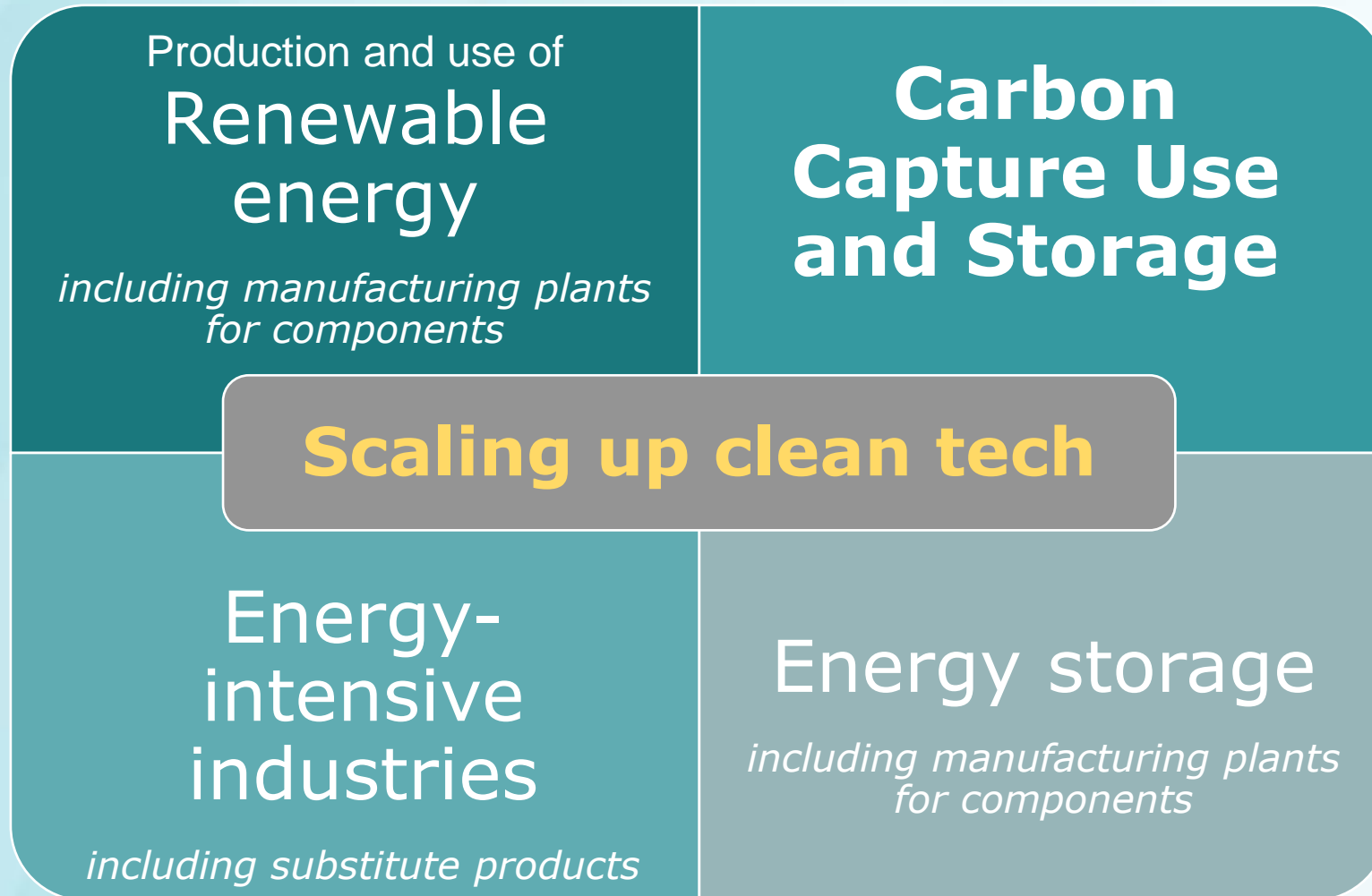
- investing in environmentally friendly **technologies** and **infrastructure**
- supporting industry to **innovate and decarbonise**
- rolling out cleaner, cheaper and healthier forms of private and public **transport**
- decarbonising the **energy** sector
- ensuring that buildings are **more energy efficient**

Our programmes



Innovation Fund

Innovation Fund in a nutshell



Key features

Financed from the revenues of the **EU Emissions Trading System**

Volume: **EUR 25 billion*** until 2030 (depending on carbon price)
**at EUR 50 / tCO₂*

Large projects: Support of up to **60% of additional capital and operating costs** (up to 10 years)
Small projects: **up to 60% of CAPEX**

Up to 40% of grant disbursed at financial close

At least 60% of grant disbursed during **10-years** operating period against GHG emission avoidance
Small scale projects – shorter **3-years** period

Annual calls for large-scale and small-scale projects

Single applicant or consortium
Projects must be implemented in the EU, NO and IC

Project development assistance

First Innovation Fund calls (2020)

Large-scale projects (total capital expenditure above EUR 7.5 m)

EUR 1.15 bn; 311 applications received

70 projects invited to the 2nd stage, 66 applied; 7 project selected

Applications cover all sectors, from hydrogen to steel to renewables and storage

Project development assistance awarded to 15 projects

Small-scale projects (total capital expenditure below EUR 7.5 m)

EUR 118 m; 232 applications received

32 projects invited for grant agreement preparation

Very good mix of technologies and sectors

Project development assistance awarded to 10 projects

Innovation Fund grants of € 1145 million for 7 large scale projects

Kairos-at-C - Port of Antwerp (BE)

- Carbon capture from hydrogen, ammonia and ethylene oxide production and storage in North Sea, innovative shipping

BECCS Stockholm (SE)

- Bio-energy carbon capture at a combined heat and power plant and storage in North Sea – negative emissions

K6 (FR)

- CCUS at cement plant with storage in North Sea and carbon use for concrete production

SHARC (FI)

- Green hydrogen from water electrolysis and blue hydrogen with CCS, storage in North Sea

Hybrit (SE)

- Hydrogen-based direct reduction for steelmaking, including electrolyser

ECOPLANTA (ES)

- Bio-based methanol from municipal waste

TANGO (IT)

















- Bifacial heterojunction photovoltaic cells production at GW scale

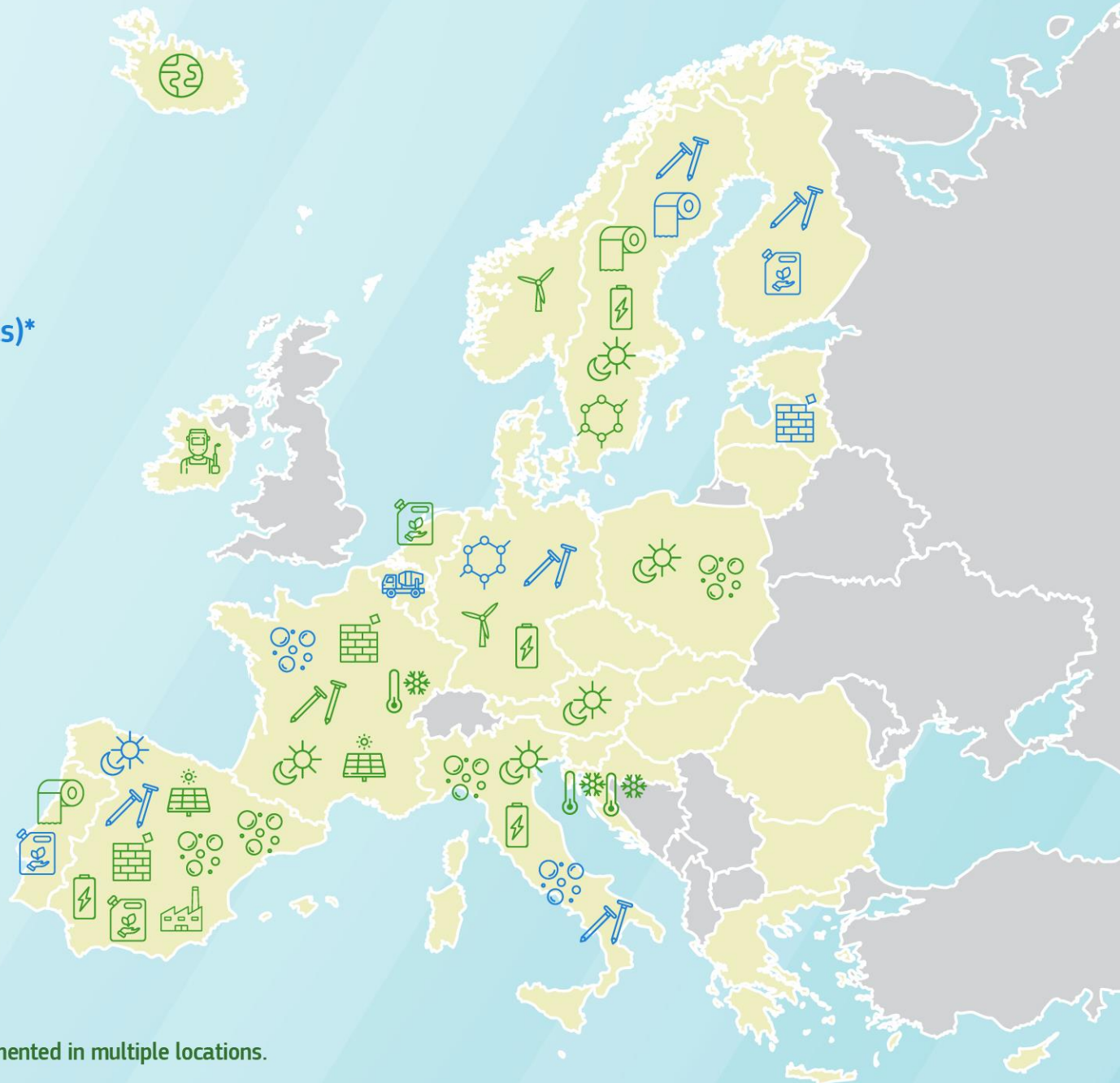
Innovation Fund

Small-scale projects

Green: Grant agreements signed (30 projects)*

Blue: projects awarded project development assistance (10 projects)*

- | | |
|--|---|
|  Biofuels and biorefineries |  Other energy storage |
|  Chemicals |  Bio-electricity |
|  CO ₂ transport and storage |  Pulp and paper |
|  Hydrogen |  Refineries |
|  Intra-day electricity storage |  Renewable heating/cooling |
|  Iron and steel |  Solar energy |
|  Non-ferrous metals |  Wind energy |
|  Glass, ceramics and construction material |  Cement and lime |



*The number of symbols is higher than the number of projects, as some projects are implemented in multiple locations.

Polskie projekty w Funduszu Innowacyjności

- [ZE PAK green H2](#)
- Power plant in Konin
- 5 MW pilot water electrolysis system to produce green hydrogen for the public buses
- IF grant: EUR 4 460 000
- Start date: 01 October 2021
- Planned entry into operation: 01 January 2024

Polskie projekty w Funduszu Innowacyjności

- [NorthFlex](#)
- Northvolt Battery Systems AB
- deployment of an innovative mobile battery pack technology
- Product development in Sweden, industrialization and mass manufacturing in Poland (Gdańsk)
- IF grant: EUR 4 427 807
- Start date: 01 April 2021
- Planned entry into operation: Q2 2024

Award criteria

GHG emission avoidance

- **Absolute** GHG emission avoidance (tCO₂)
- **Relative** GHG emission avoidance (%)
- **Quality and credibility** of the calculation, other GHG emission savings, net carbon removals

Degree of innovation

- How much beyond the state-of-the-art?
- Impact on EU policy objectives: energy efficiency, circularity, deployment of renewable electricity

Project maturity

- **Technical:** Is the project feasible at the proposed scale?
- **Financial:** Ready to reach financial close within 4 years? Viable investment?
- **Operational:** Capacity and readiness to implement

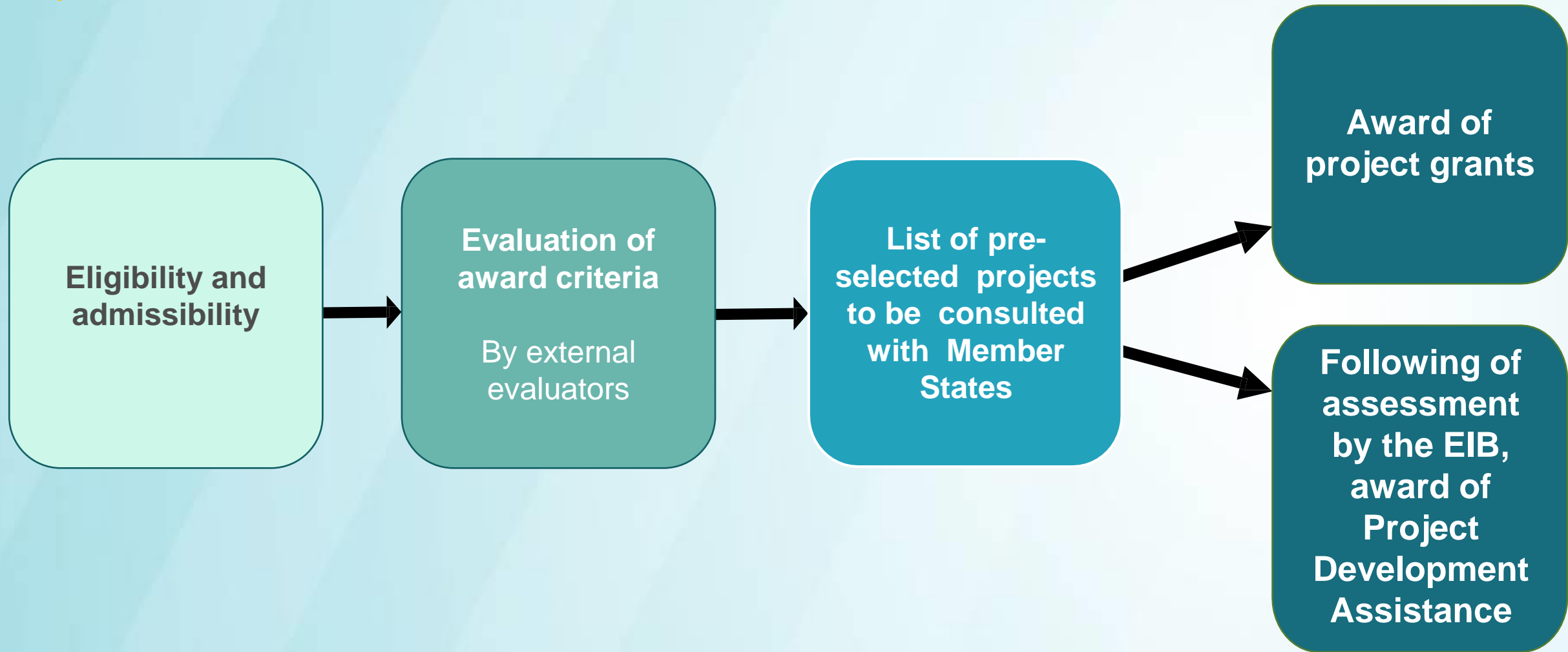
Scalability

- Market potential for widespread application: at project, regional, sector and economy level

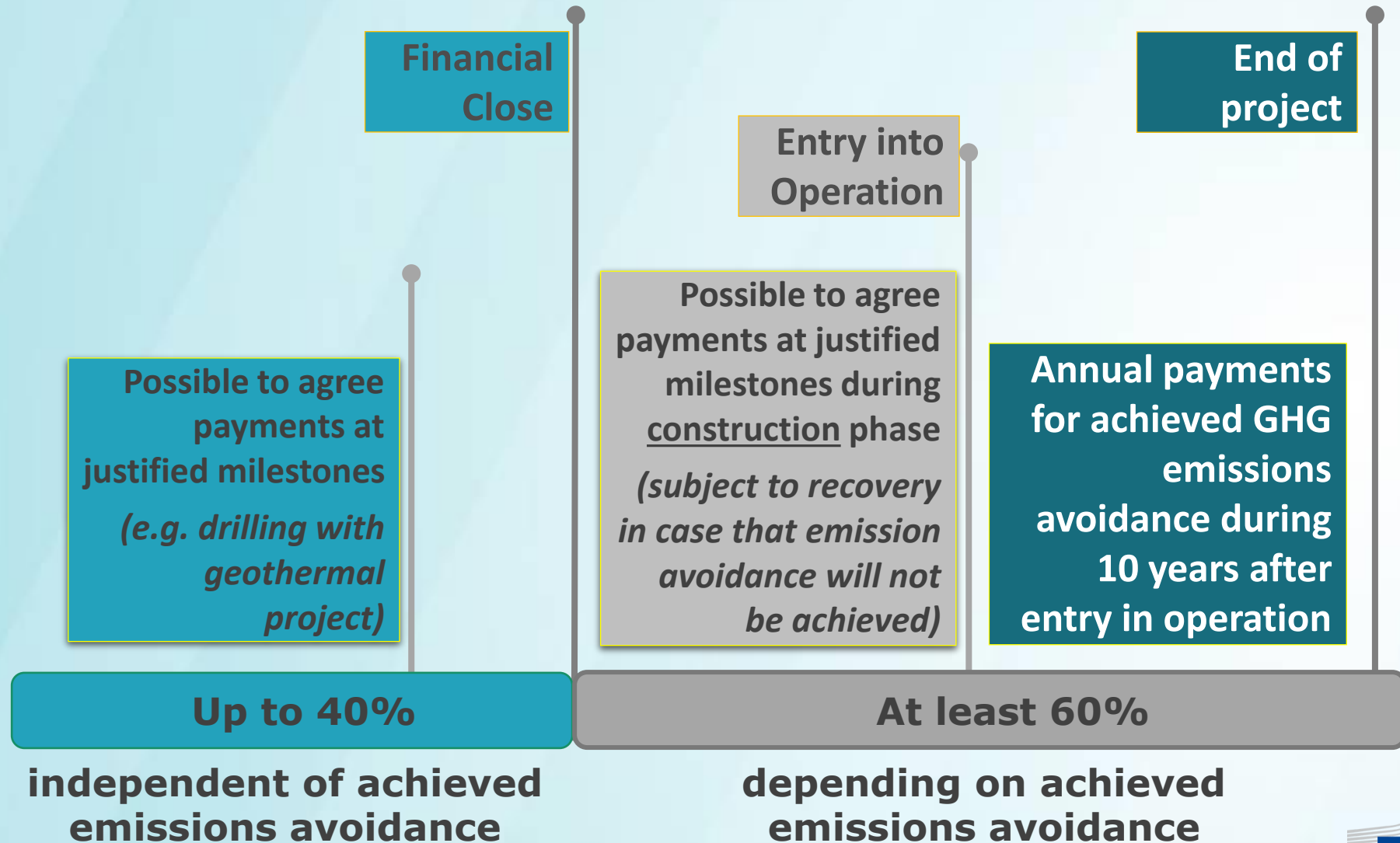
Cost efficiency

- Requested support per ton of CO₂

Selection Procedure



Payment upon completed work-packages



NEXT CALLS

NEXT CALLS

2021 Large-Scale Call

- **Launch of single-stage call on**
26 October 2021
- **Deadline for submission in**
03 March 2022
- **Expected results in July 2022**
- **Volume of EUR 1.5 billion**

2022 Small-Scale Call

- **Expected launch of single-stage call on**
31 March 2022
- **Expected deadline for submission**
31 August 2022
- **Expected results in Q1 2023**
- **Volume of EUR 100 million**

2022 Large-Scale Call

- **Expected launch of single-stage call in**
Autumn 2022
- **Expected deadline for submission**
Spring 2023
- **Expected results in Summer 2023**
- **Volume tbc**

2021 Large-scale projects call: key features



Launch
Deadline
Results

26 Oct 2021
03 Mar 2022
Q3 2022



€ 1.5 Billion for grants
+
Project Development Assistance



Same scope as LSC 2020 and
innovative projects close to
market

AWARD CRITERIA

GHG emission avoidance*

Degree of innovation

Project maturity

Cost efficiency

Scalability

*incl. net carbon removals and other GHG savings

GRANT DISTRIBUTION

LUMP-SUM contribution

up to 40% of grant at financial close and
grant covering up to **60% of additional capital and
operating costs**

Past useful events

Recorded sessions and
slides available

- Innovation Fund: lessons learnt from the first call for small-scale projects (12/10/2021) (https://cinea.ec.europa.eu/events/innovation-fund-lessons-learned-first-call-small-scale-projects-and-state-aid-support_en)
- Second Large-scale call for projects Info day (10/11/2021) (https://cinea.ec.europa.eu/events/innovation-fund-second-large-scale-call-projects-info-day_en)
- Innovation Fund: lessons learnt from the first call for large-scale projects (13/01/2022) (https://ec.europa.eu/clima/news-your-voice/events/innovation-fund-lessons-learned-first-call-large-scale-projects_en)

Where to find more information?



All (past) call documents available on the Funding and Tenders Portal including:

- ✓ Guidance and calculation tools on GHG emissions and relevant costs
- ✓ Frequently asked questions

<https://europa.eu/!QB67by>



Further info, planning of new calls, recorded webinars and videos available on the IF Website:

<https://europa.eu/!rx34Dt>

[Info day Large Scale Call 2021](#)



Innovation Fund - YouTube

<https://bit.ly/2WxK8w7>

