



# Connecting Europe Facility AFIF

**EMSA – Workshop on Alternative  
Fuels (biofuels & ammonia) & power  
solutions for shipping and ports**



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**19 October 2022**

**CINEA**

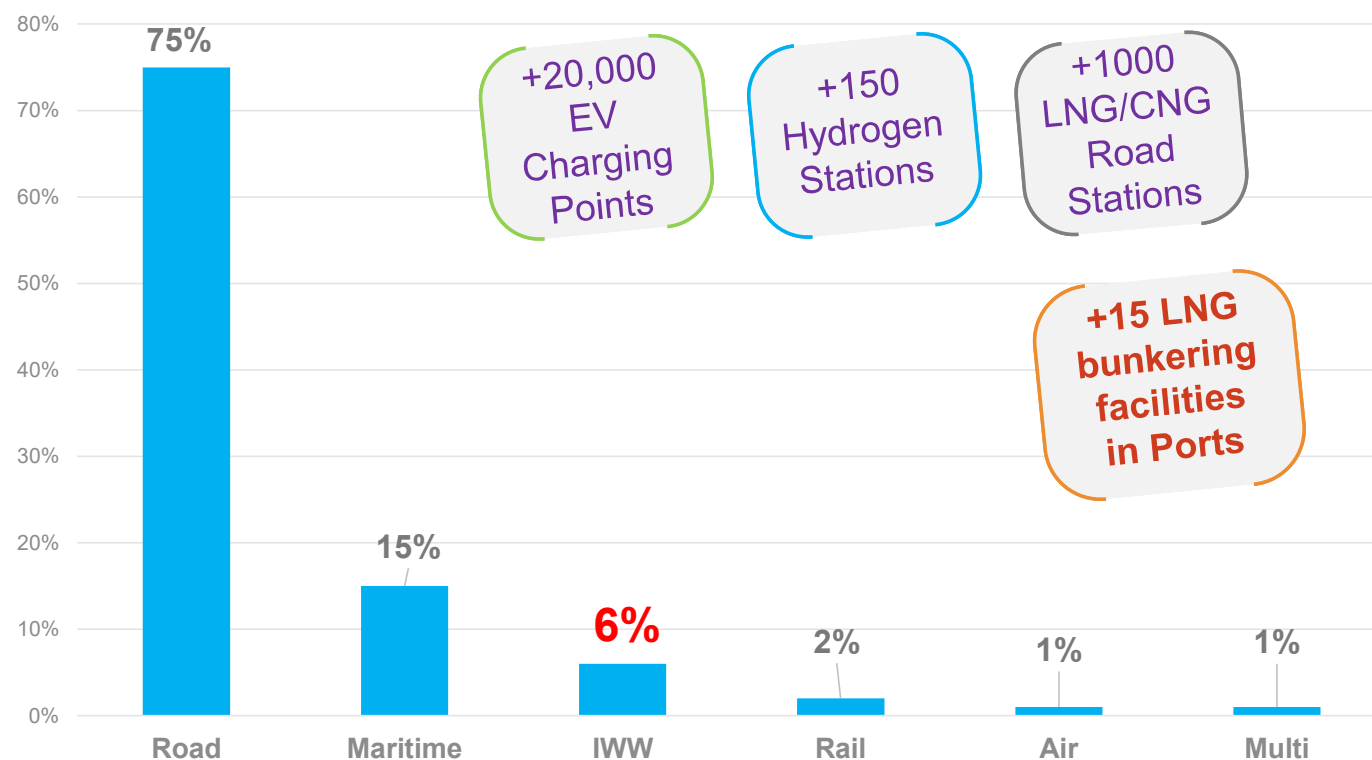
# CEF 2014 – 2020 overview Alternative Fuels

More than  
200 Actions

Total investment  
€4,79Bn

EU contribution  
€1,28Bn

Share of EU support by transport mode



## AFIF call priorities

The icon for Zero Emissions consists of two overlapping circles. The top circle is a dark green, and the bottom circle is a lighter, olive green. The text 'Zero Emissions' is written in white across the middle of the circles.

Zero Emissions

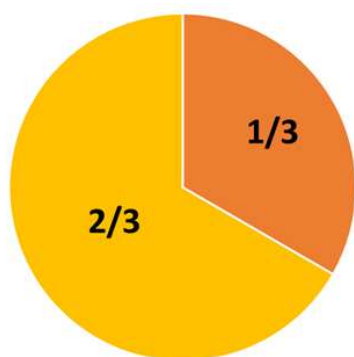
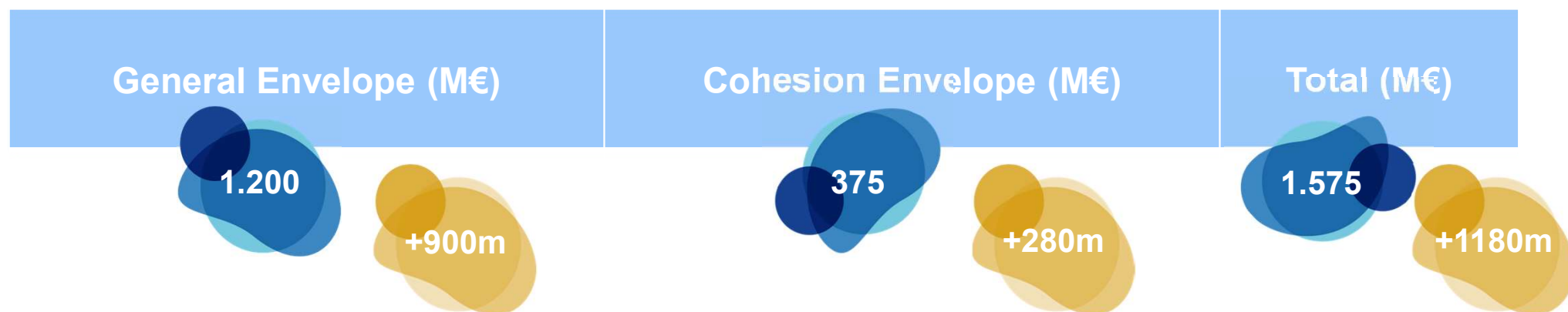
- *Electricity recharging infrastructure (unit contributions)*
- **Electricity & Hydrogen infrastructure (co-funding rate)**

The icon for Low Emissions consists of three overlapping circles. The top circle is a dark teal, the middle circle is a medium green, and the bottom circle is a dark green. The text 'Low Emissions' is written in white across the middle of the circles.

Low Emissions

- **LNG refuelling infrastructure (co-funding rate)**

# AFIF Budget

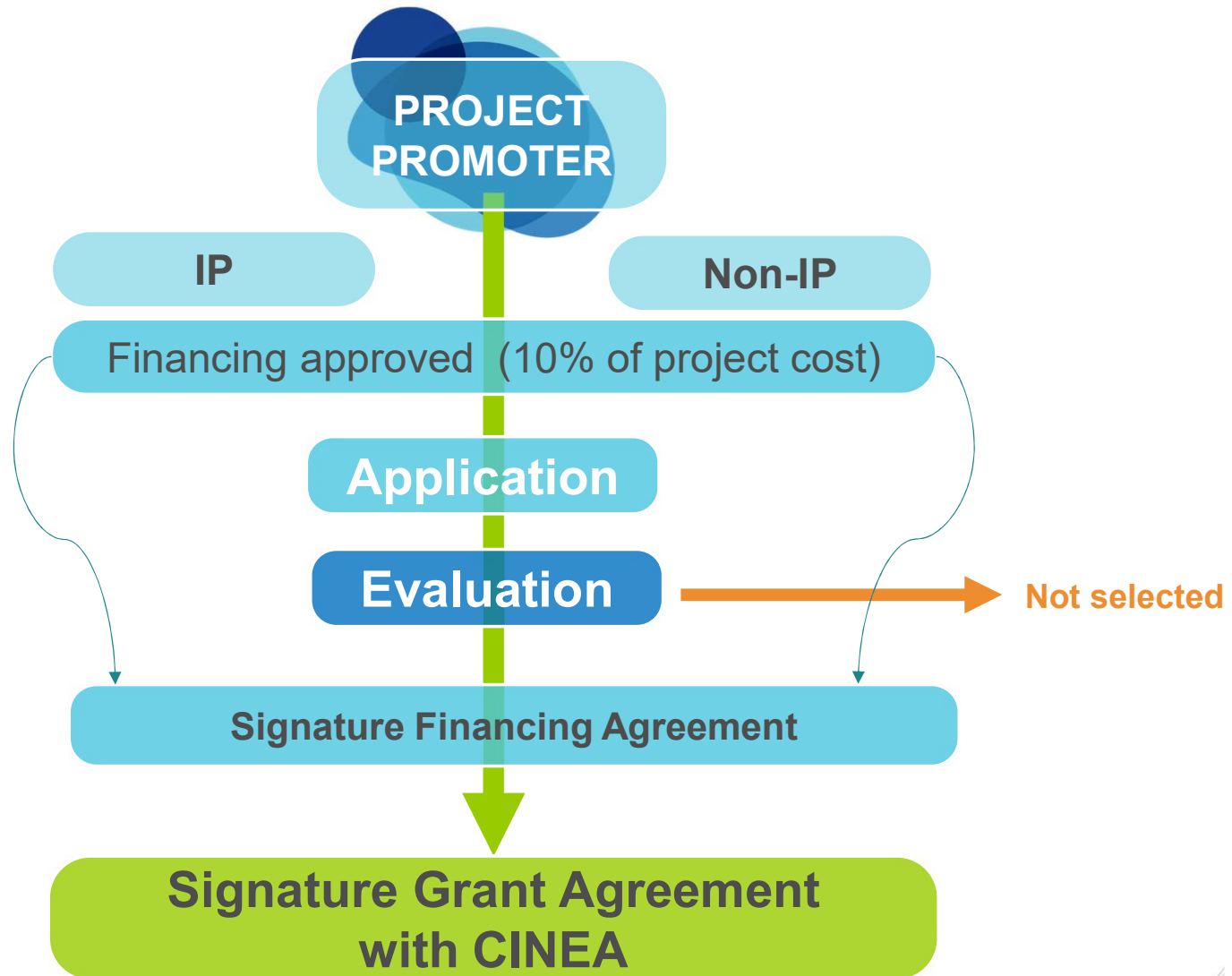


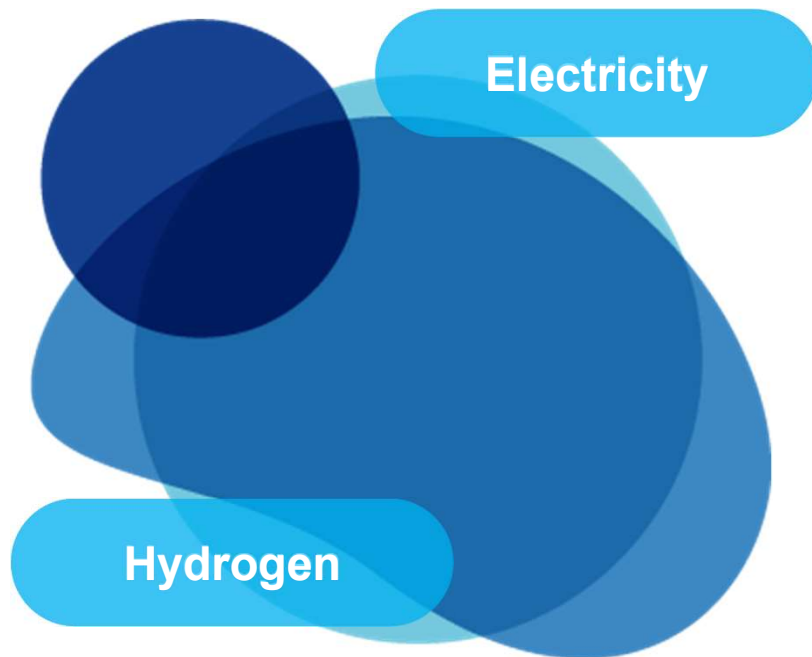
\* **Implementing Partners:** public financial institutions (such as EIB, EBRD and National promotional banks)

\*\* **Non-Implementing Partners:** other public or private financial institutions established in the EU

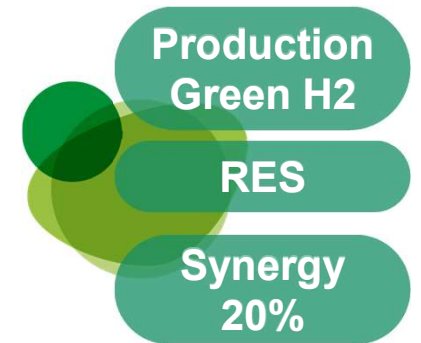
- Non-Implementing Partners \*\*
- Implementing Partners \*

# Process





# Zero emission transport



# Zero emission for inland & maritime ports

## Electrification

### Recharging stations supplying inland waterway and maritime vessels

#### Eligible

- On-shore Power Systems (OPS)
- Related grid connection
- **Port vehicles and equipment**
- Inland and short sea shipping vessels propelled by electricity  
(kick start, diff. of cost, new & retrofit,)

#### Location

- In TEN-T inland waterway and maritime ports areas

# Zero emission for inland & maritime ports



## Hydrogen

### Hydrogen Refueling Stations for IWW & maritime vessels

#### Eligible

- HRS at 350 bar and/or 700 bar
- **Port vehicles and equipment**
- hydrogen **or hydrogen carrier fuels (e.g. ammonia)** propelled vessels

#### Location

- In TEN-T inland waterway and maritime ports areas.



# Zero emission for railways



## Hydrogen

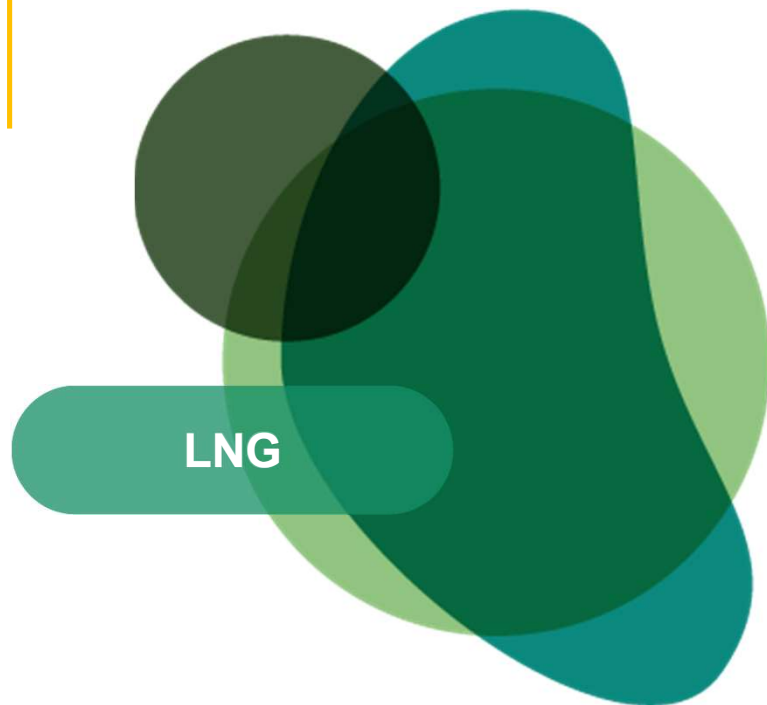
### Hydrogen Refueling Stations (HRS) supplying railways

#### Eligible

- HRS supplying liquid or gaseous hydrogen at 350 bar and/or 700 bar

#### Location

- On sections of the TEN-T rail network for which a derogation from the electrification requirement has been granted in line with Article 12(3) or 39(3) of the TEN-T Regulation;
- on isolated networks as defined in Article 3 (u) of the TEN-T Regulation;
- **in terminals for refuelling shunting locomotives**



# Low emission transport

*Supported only as a **transitional solution***

*Priority will be given to actions demonstrating uptake of **bio-LNG***

# Low emission for inland & maritime ports



LNG

## Refueling stations supplying inland waterway and maritime vessels








### Eligible

- LNG infrastructure
- Storage facilities (for transport only)
- Bunkering vessels








### Location

- In TEN-T inland waterway and maritime ports areas

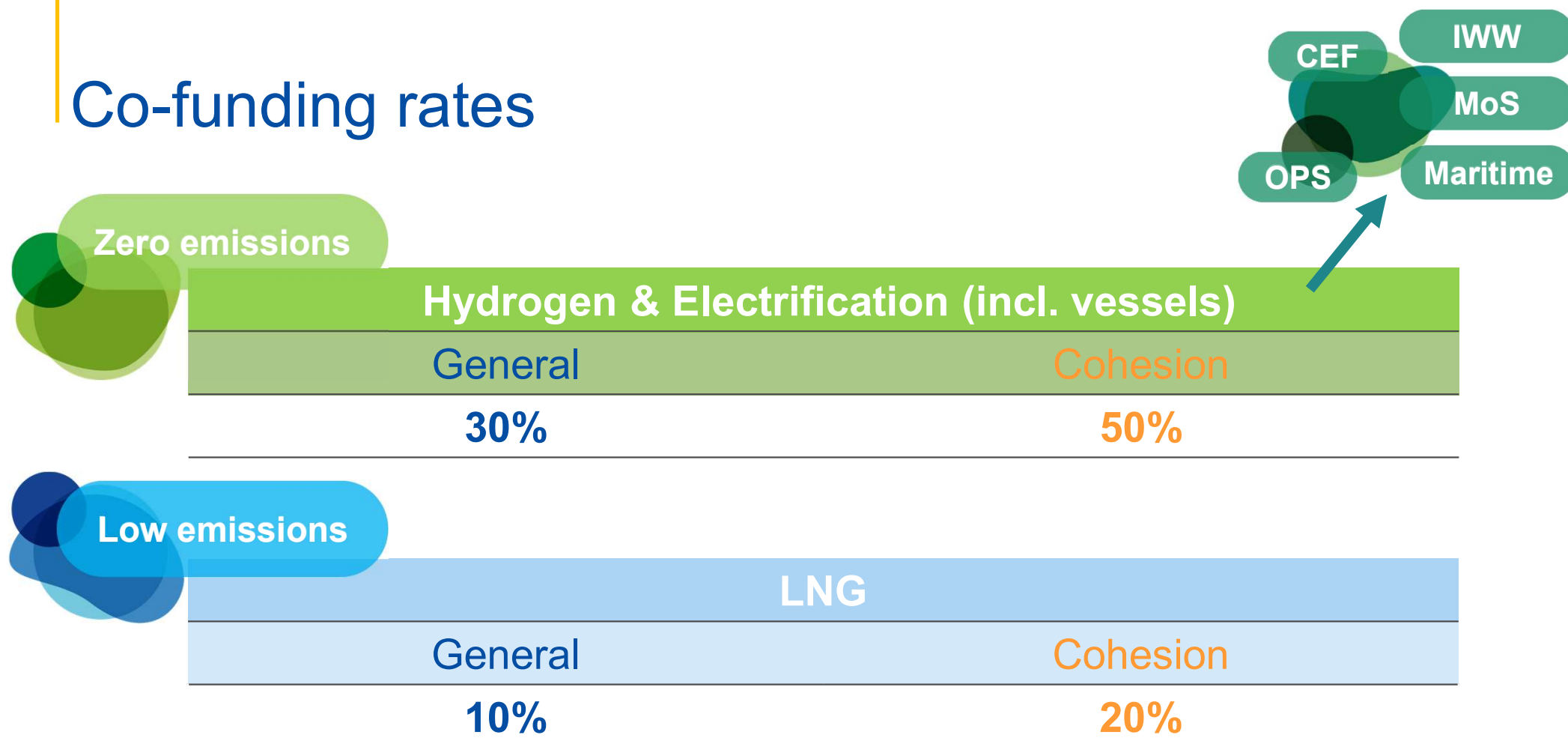
# Specific conditions for vessels

-  **fitting** or **retrofitting** the **main propulsion** system
-  inland **vessels + 20m & +12 passenger** capacity
-  **difference in costs** fossil-fuel vessel Vs zero-emission (propulsion)
-  **public or private fleets**, excluding cruises and exclusive day trip tourism vessels
-  operating under an EU **Member State law**
-  serving **EU passenger and cargo** destinations and/or other EU services (e.g. tugboat)
-  **Operating** for at least **5 years** from the date of operation

# Not eligible

-  **vehicles** (except IWW & SSS)
-  **land** acquisition, renting/leasing of facilities
-  **Permits**, staffing, administrative costs, indirect costs
-  **OPEX**
-  **upgrade** of existing electric **recharging infrastructure**
-  hydrogen production facilities based on **Steam Methane Reforming**
-  hydrogen production facilities mainly used for **other purpose than transport**

# Co-funding rates



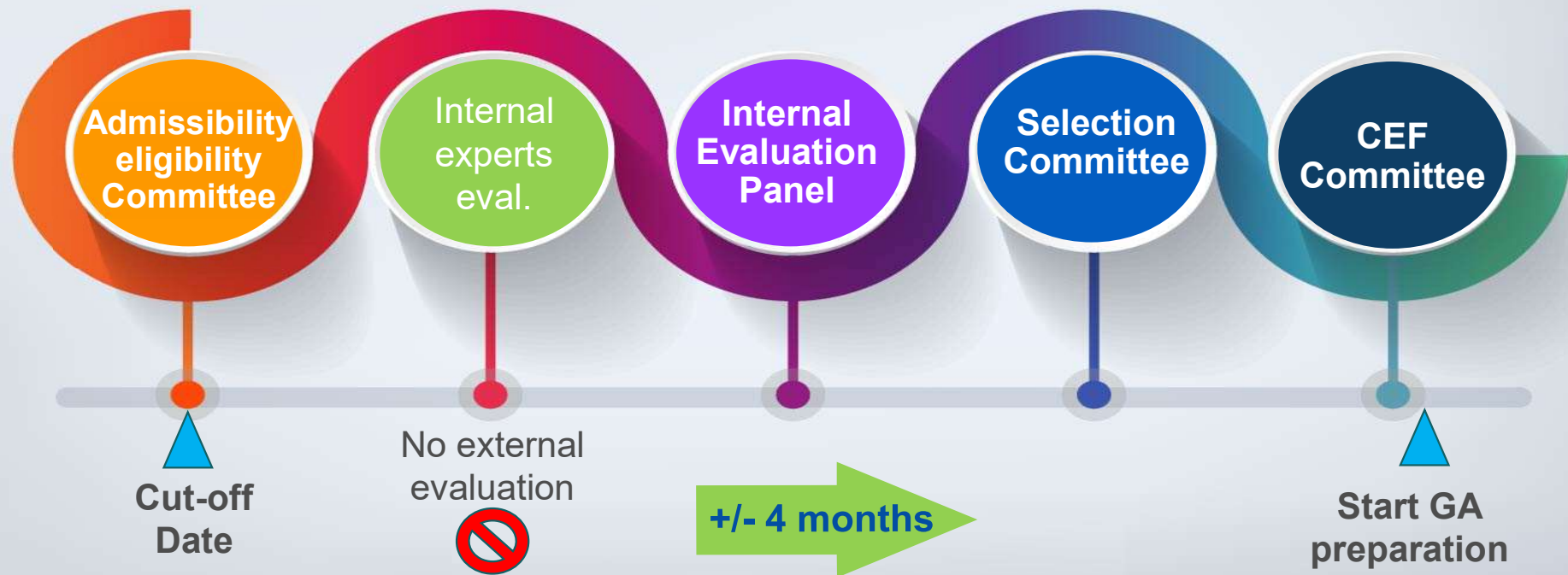
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Timing

Organisation

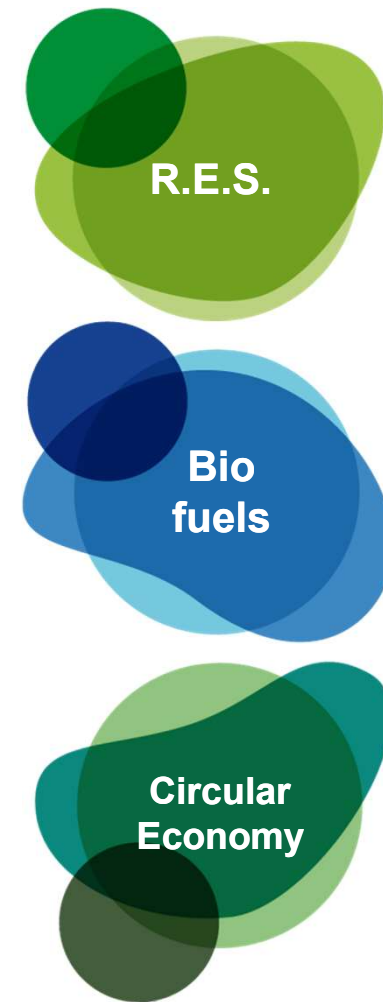
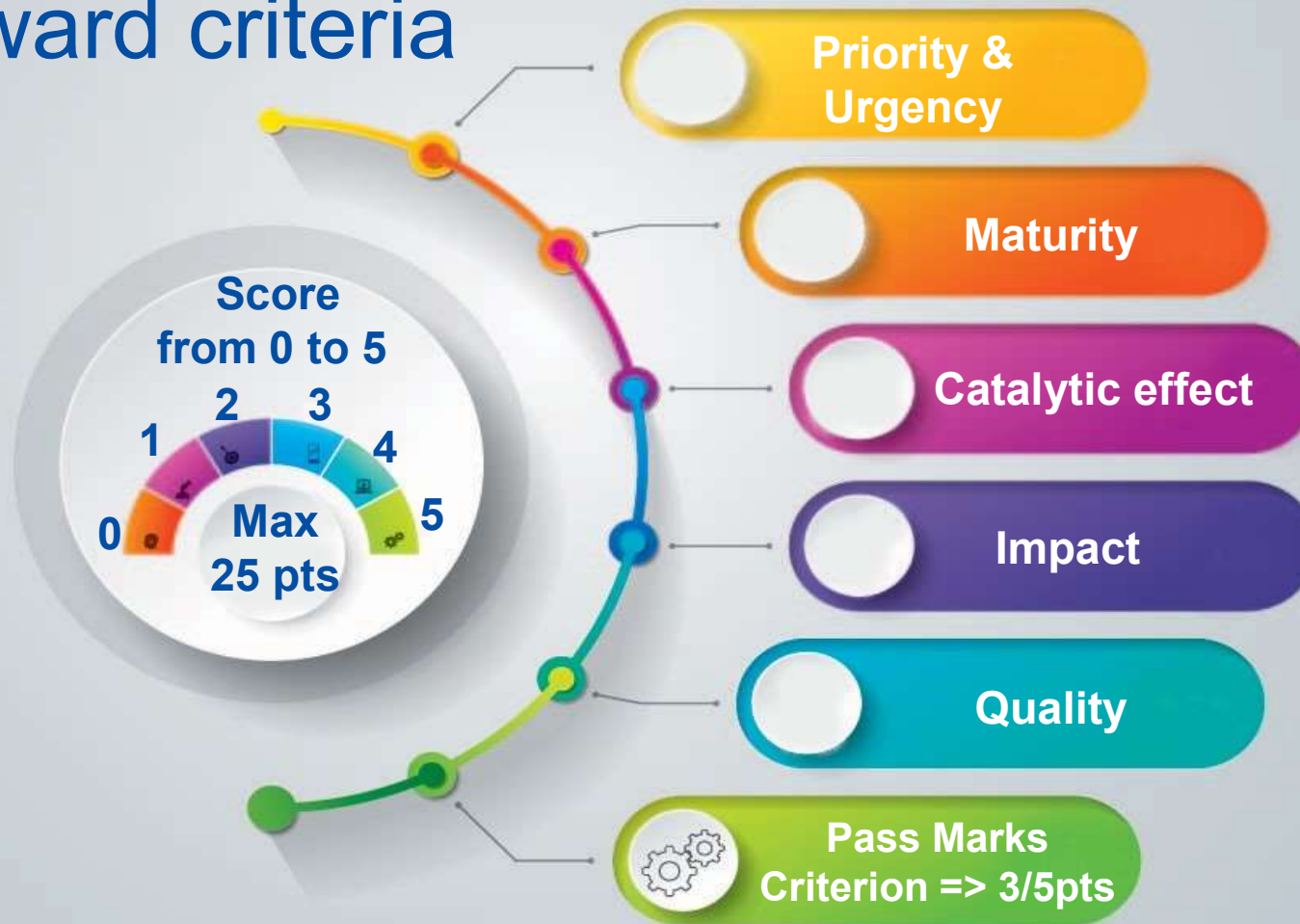
# Evaluation process

# Evaluation process





# Award criteria



# Timetables and deadlines

Project duration  
36 months



**Deadline for  
submission**

*Information on  
results*

*GA signature*

**1st cut-off**



**19 January  
2022**



*May 2022*

*Q3 - 2022*

**2nd cut-off**

**7 June  
2022**



*October 2022*

*Q1- 2023*

**3rd cut-off**

**10 November  
2022**

*March 2023*

*Q2 - 2023*

**4th cut-off**

**13 April  
2023**

*July 2023*

*Q1 - 2024*

**5th cut-off**

**19 September  
2023**

*January 2024*

*Q2 - 2024*

# European Climate, Infrastructure and Environment Executive Agency



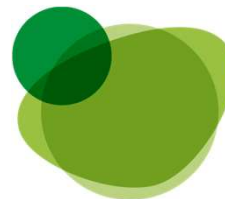
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