



GOVERNEMENT

*Liberté
Égalité
Fraternité*



Co-funded by the European Union

Emissions Trading System

Innovation Fund

Innovation Fund Infoday 7 Janvier 2025

Direction Générale de l'Énergie et du Climat

PCN de l'Innovation Fund

<https://www.linkedin.com/company/91064273>



Innovation Fund 2024 Calls French National Info Day

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Agenda

- Innovation Fund policy context & portfolio
- IF24 NZT Call features
- IF24 Battery features
- General provisions
- IF24 Auction features
- Lessons learned from IF23 NZT Call
- Where to find more information?
- Q&A



Policy context & portfolio



INNOVATION FUND

Deploying innovative net-zero technologies for climate neutrality

Funded by the EU Emissions Trading System



€40 billion* available between 2020-2030

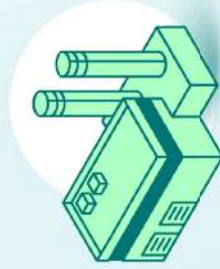


grants awarded through regular calls and auctions

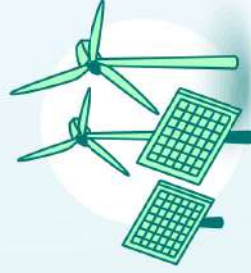


avoid GHG emissions, boost competitiveness

supporting innovation in:



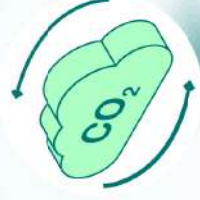
Energy-intensive industries



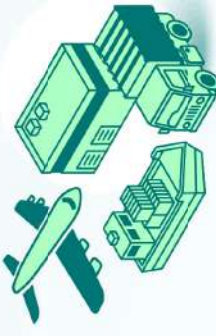
Renewable energy



Energy storage



Carbon capture, use and storage



Net-zero mobility and buildings

*based on a carbon price of €75/tonne

The Innovation Fund supports urgent policy priorities



- **Net-Zero Industry Act:** clean tech manufacturing (€0.7 billion in 2022, €1.4 billion in 2023, 1.7 billion in 2024) – *IF24 Call (dedicated topic) + IF24 Battery*
- **European Hydrogen Bank:** domestic auctions for renewable hydrogen under the Innovation Fund
- **Wind Package:** clean tech manufacturing topic & Project Development Assistance (PDA)
- **Strategic Technologies for Europe Platform (STEP):** STEP Seal for funded projects
- **Industrial Carbon Management (ICM) Strategy:** support CCUS deployment since 2020

Evolution



Portfolio



208 projects
123 ongoing
85 under GAP*



€12.04 billion
granted +
under GAP*



~929 Mt CO₂eq
to be avoided**



*Grant Agreement Preparation

**estimated based on 10 years of operations

Statistics based on data from the end of Q3-2024 + IF23 selected projects

Funded projects in France



23 projects¹

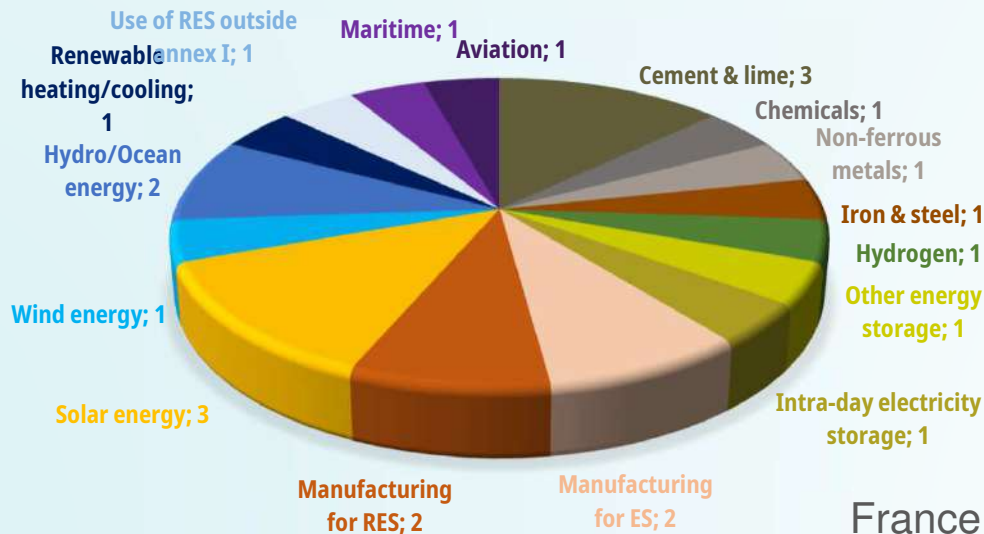


€1,030 million EU contribution



45.5 Mt CO₂e first 10 years

Sectoral distribution



¹Based on data by the end of Q3-2024 + IF23 selected projects.
Last updated: 14/11/2024

The total number of projects include projects with implementation sites in multiple countries. For such projects, the budget and GHG abatement have been attributed to the main country of implementation



2024 funding opportunities



IF24 Auction

- RFNBO Hydrogen
- 3 Dec 2024 – 20 Feb 2025
- Budget: €1.2 billion



IF24 Call

- General, Clean-tech, Pilots
- 3 Dec 2024 – 24 April 2025
 - Budget: €2.4 billion



IF24 Batteries

- Manufacturing of electric vehicle battery cell
- 3 Dec 2024 – 24 April 2025
- Budget: €1 billion

IF24 NZT Call features

IF24 Call in a nutshell



Launch 3 Dec. 2024
Deadline 24 April 2025
Results Q4 2025



€2.4 billion for grants

+
Project Development Assistance

+
STEP Seal

+
Possibility of "Grants-as-a-Service"

New



Five topics

AWARD CRITERIA

- Degree of innovation
- GHG emission avoidance potential
- Project maturity
- Replicability
- Cost efficiency

Bonus points: Net Carbon Removals, Other GHG savings, electricity from additional RES, projects in the maritime sector

GRANT DISTRIBUTION

LUMP-SUM contribution grant up to 60% of relevant costs

- up to 40% of grant at financial close
- remaining amount of at least 60% after financial close
- generally, at least 10% after entry into operation



Strategic Technologies for Europe Platform (STEP) Seal

- Benefits per programme:
 - **Cohesion policy funds (ERDF, CF, ESF+, JTF):** Possibility for Managing Authority to fast-track project (ERDF, ESF+) and grant combined support
 - **Recovery and Resilience Facility (RRF):** Project to be considered as a priority for funding under national Recovery and Resilience Plans
 - **Modernisation Fund:** Project may be considered as a priority for funding
 - **InvestEU:** To be taken into account by Commission in its 'policy check', and project to be examined by implementing partners
 - **Other Union funds or programmes:** Project could be granted (combined) support



IF24 Call – Topics

Topic	Capital Expenditure	Topic budget	Sectors covered
Large-scale projects	above € 100 million	€ 1 200 million	<ul style="list-style-type: none"> • Annex I and Annex III to the EU ETS Directive <u>2003/87</u>, including CCU • CCS • Renewable energy and energy storage technologies • Maritime and aviation
Medium-scale projects	between € 20 million and € 100 million	€ 200 million	
Small-scale projects	between € 2.5 million and € 20 million	€ 100 million	
Clean-tech manufacturing for components	above €2.5 million	€ 700 million	<ul style="list-style-type: none"> • Components for renewable energy installations • Electrolysers and fuel cells • Energy storage solutions • Heat pumps
Pilot projects	above €2.5 million	€ 200 million	Validating, testing and optimising highly innovative, deep decarbonisation solutions in all sectors eligible for Innovation Fund support

IF24 Call award criteria

Degree of Innovation

Innovation beyond state of the art at European level (except SSP – European or national level)

! Consider ongoing IF projects !

GHG emissions avoidance

potential
Absolute emissions avoidance

Relative emissions avoidance

Quality of calculation and minimum requirements

Project maturity

Technical maturity

Financial maturity

Operational maturity

Replicability

Efficiency gains and multiple environmental impacts

Further deployment potential and technology transfer

Europe's industrial

leadership and competitiveness

Cost efficiency

Cost efficiency ratio (different formula for Pilot projects)

Quality of the relevant cost calculation and minimum requirements

- Bonus points:
- 1) Net Carbon Removals
 - 2) Other GHG savings
 - 3) Electricity from additional RES or use of RFNBOs
 - 4) Maritime sector projects

New



General Decarbonisation Topic(s)

Objectives:

- Accelerate the decarbonisation of **sectors covered under the EU Emissions Trading System (EU ETS)**
- Promote **sustainable development and technological leadership** within Europe

Activities that can be funded:

- Innovation in low-carbon technologies and processes, including **products substituting carbon-intensive ones**
- Safe capture and geological storage or utilisation of CO₂ (**CCS**)
- Innovative **renewable energy** and **energy storage technologies**



General Decarbonisation Topic(s)

Important aspects:

- Projects must **operate at least 5 years** after entry into operation or **at least 3 years** if small-scale or pilot
- Contribution to **building EU industrial capacity, technology leadership, supply chain resilience, and strategic autonomy**
 - assessed under Replicability award criterion
- **Relative GHG emission avoidance:** at least **50%**
- **Cost efficiency ratio:** max **€200/t CO₂eq**
- **Simplification for small-scale projects:** degree of innovation can be at national level



Clean-tech Manufacturing Topic

Objectives:

- Foster **innovative manufacturing in Clean-tech** for hydrogen production/consumption, renewable energy, and energy storage
- Build industrial capacity, technology leadership, and supply chain resilience within the EU

Activities that can be funded:

- Production of **components** for:
 - **Renewable energy** installations (e.g., wind, solar, geothermal)
 - **Electrolysers** and **fuel cells**
 - **Energy storage** solutions for stationary and mobile use for intra-day and long duration storage
 - **Heat pumps** for various uses



Clean-tech Manufacturing Topic

Important aspects (cont.)

- Emphasis on **degree of innovation, project maturity and contribution to Europe's industrial leadership and competitiveness**
- Innovation possible in **manufacturing/production processes and/or components or final products**
- **Financial close within two (2) years and entry into operation within four (4) years** may earn a higher score in project maturity
- Relative **GHG emission avoidance: min 50%**
- **Cost efficiency ratio: max 200 €/t CO₂-eq**



Pilot Projects Topic

Objectives:

- **Highly innovative, disruptive or breakthrough technologies** for deep decarbonisation needed for achieving the climate neutrality goal

Activities that can be funded:

- Innovation in sectors listed in Annex I and Annex III to the EU ETS Directive 2003/87, including environmentally safe carbon capture and utilisation (**CCU**)
- **Products substituting carbon-intensive ones** produced in sectors listed in Annex I to the EU ETS
- Construction and operation of innovative **energy storage, CO₂ storage** and **renewable energy installations**, including electricity/heat grid connections



Pilot Projects Topic

Important aspects:

- **Higher degree of innovation** is expected
 - Degree of Innovation: points are doubled
- Possibility to addressing technical risks linked to the innovative technologies, such as **optimising process and operational parameters**, and **enhance final product characteristics**
- Prove an **innovative technology** in an operational environment but are not expected yet to reach large-scale demonstration or commercial production
- **Limited production/operation** for testing purposes is possible but not required, including delivery to/from potential customers for validation



Pilot Projects Topic

Important aspects (cont.):

- Demonstrate **Project viability** rather than project profitability
- Typically projects with **limited life-time (3-5 years)** and the technology should then move to large-scale demonstration or first-of-a-kind commercial production
 - To be demonstrated under the replicability award criterion
- Potential to be fully compatible with a 2050 climate neutrality objective, i.e., pilot installations should have minimal residual emissions or result in net carbon removals
 - **Relative GHG emission avoidance: min 75%**



Pilot Projects Topic

Important aspects (cont.):

- **Financial close within two (2) years** and **entry into operation within four (4) years** may earn a higher score in project maturity
- Maximum grant: **€40 million**
- Min operation: **three (3) years after entry into operation**
- Less stringent requirements for **cost efficiency: max 2000 €/t CO₂eq**



IF24 Battery Call features

Political context

- The Commission will support manufacturing of the “most sustainable [EV] batteries in Member States” through “a **dedicated instrument** under the **Innovation Fund** [...]” with “up to **€3 billion** for the next three years”*
- **Difficult situation** of the battery manufacturing sector in Europe and **risk of dependency** on foreign imports
- Implementation of the **Battery Regulation**
- Stakeholders largely in favour of “regular” grants with more flexible payment schedule & possibility of combined support
- Strong interest in additional lending & venture debt possibilities
- Indication of solid project pipelines during consultation (79 battery manufacturing projects, 35 on cells manufacturing)

*EVP Šefčovič [announcement](#) relating the EU-UK Trade and Cooperation Agreement), Dec 2023



IF24 Battery Call in a nutshell



Launch 3 Dec. 2024
Deadline 24 April 2025
Results Q4 2025 or earlier



€1 billion for grants
+
Project Development Assistance
(PDA)
+
STEP Seal



**Manufacturing of electric
vehicle battery cell**

AWARD CRITERIA

- Degree of innovation
- GHG emission avoidance
- **(NEW)** Manufacturing carbon footprint
- Project maturity
- Replicability
- **(NEW)** Security of supply and countering dependency

Cost efficiency

GRANT DISTRIBUTION

LUMP-SUM contribution grant up to 60% of relevant costs

- up to 40% of grant at financial close
- remaining amount of at least 60% after financial close
- generally, at least 10% after entry into operation

Scope and budget

- **EV batteries cell manufacturing (cells can be used in EVs)**
 - ✓ **Possibility of integrated projects** (cell manufacturing incl. upstream components manufacturing or recycling but not exceeding 100% of the project's cell production capacity)
 - ✗ Pure assembly projects (e.g. battery pack or module assembly), as well as EV manufacturing & other battery applications excluded
 - ✗ Remaining value chain will remain eligible in the IF24 Call
- Only **projects that have not yet reached Financial Close** at the time of grant application can be funded, already incurred costs at application stage not are eligible.
- **Budget: €1 billion for the dedicated call for proposals in 2024**



EV batteries definition

The Battery Regulation [Article 3(1)14] defines EV batteries as follows:

"'electric vehicle battery' means a battery that is specifically designed to provide electric power for traction in hybrid or electric vehicles of category L as provided for in Regulation (EU) No 168/2013, that weighs more than 25 kg, or a battery that is specifically designed to provide electric power for traction in hybrid or electric vehicles of categories M, N or O as provided for in Regulation (EU) 2018/858"



Demarcation between IF24 Call and IF24 Battery

Battery Call (IF24 Battery)

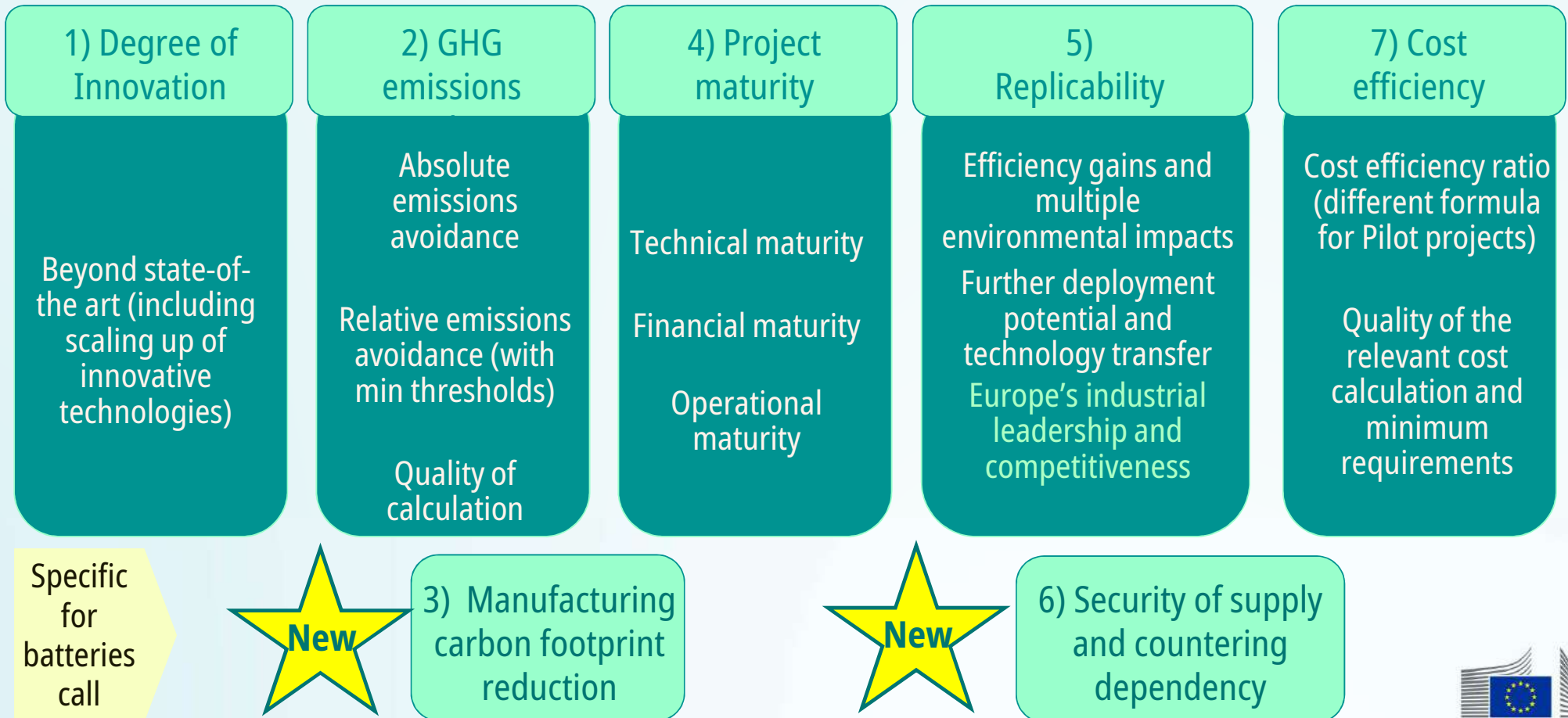
- ✓ Battery cell manufacturing
- ✓ Battery cell manufacturing including production of upstream components(*)
- ✓ Battery cell manufacturing including recycling activities(*)
- ✗ Batteries for stationary storage
- ✗ Batteries applications (e.g., EV production)
- ✗ Assembly projects (e.g., battery packs or modules)
- ✗ (standalone) Batteries components manufacturing
- ✗ (standalone) Batteries recycling activities (*) not exceeding 100% of cell production output
- ✗ Mining activities

Net Zero Technologies Call (IF24 Call)

- ✗ Battery cell manufacturing
- ✗ Battery cell manufacturing including production of upstream components(*)
- ✗ Battery cell manufacturing including recycling activities (*)
- ✓ Batteries for stationary storage
- ✓ Batteries applications (e.g., EV production)
- ✓ Assembly projects (e.g., battery packs or modules)
- ✓ (standalone) Batteries components manufacturing
- ✓ (standalone) Batteries Recycling activities
- ✗ Mining activities



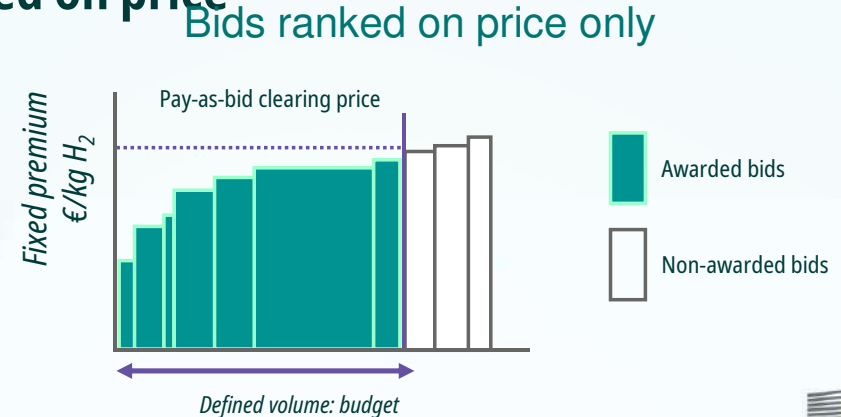
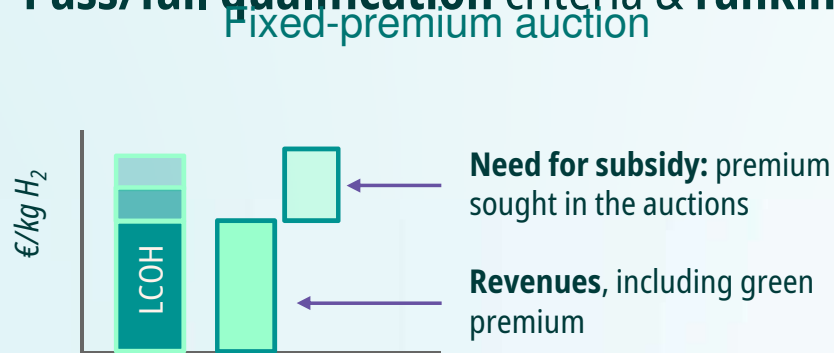
Award criteria



IF24 Auction features

IF24 Auction overview

- Objective: **support production of Renewable Fuel of Non-Biological Origin (RFNBO) Hydrogen** as defined in the Renewable Energy Directive & its Delegated Acts
- Also: **contribute to achieving security of essential goods supply & to Europe's industrial leadership & competitiveness**
- **Fixed-premium auction**, single stage, pay-as-bid - bidders are free to decide their bidding strategy
- **Pass/fail qualification criteria & ranking based on price**



General eligibility conditions

- Location: **within the EU/EEA** (no virtual production)
- Installed capacity: min. **5 MWe, new** capacity, **single location** (no virtual capacity pooling)
- Projects must limit the sourcing of electrolyser stacks with surface treatment or cell unit production or stack assembly **carried out in China to no more than 25%** (in MWe) of the total electrolyser capacity as expressed in the bid
- Off-takers: no restriction (general) / min. supply to maritime off-takers (maritime)
- Bid ceiling price: **€4/kg RFNBO Hydrogen**
- Maximum grant support period: **10 years**
- Maximum size of the bid: **€250 million** (general) / **€200 million** (maritime)



Key implementation arrangements ^{1/2}

- Financial close: within **2.5 years** after signing Grant Agreement
- Entry into Operation (EiO): within **5 years** after signing Grant Agreement
- Completion guarantee: **8%** of the requested grant - *covers reaching Financial Close & EiO under the call requirements*
- Payments: no payments before EiO; then, **biannual** basis - €/kg of RFNBO Hydrogen produced, **certified & verified** for a maximum period of **10 years**



Key implementation arrangements *2/2*

- Production requirements: semi-annual production may be increased to **up to 140%** of planned. Total grant amount cannot be increased. Production **cannot fall < 30%** of planned production for more than 3 rolling consecutive years
- Compliance with the criteria during implementation: monitoring of maritime off-takers, resilience criteria, and certification of 70% GHG savings on overall production
- Cumulation with other public funding: limitations apply, same as for IF23 Auction



A dedicated topic for the maritime sector

1/2

After its 2023 revision, the ETS Directive extended to the maritime transport. **20 million allowances** to be deployed by the Innovation Fund by 2030 to support the decarbonisation of the maritime sector, through **dedicated topics**

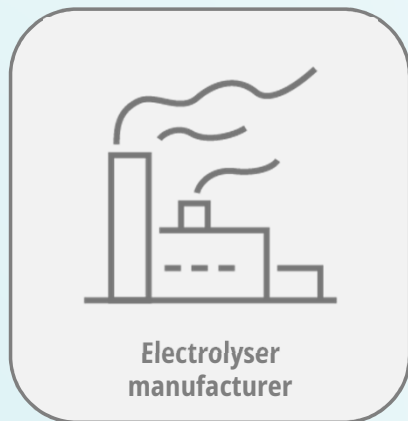
Specific eligibility condition:

- projects presenting pre-contractual off-take agreements in their applications, with **off-takers belonging to the maritime sector** covering at least **60% of their planned RFNBO H₂ production as stated in the bid**
- **monitored** throughout the project's operation



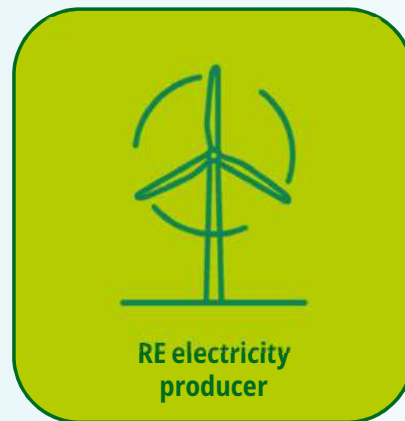
Combination with other public support

As general rule: strict prohibition of double funding from the EU budget. Any given action may receive only one grant from the EU budget.



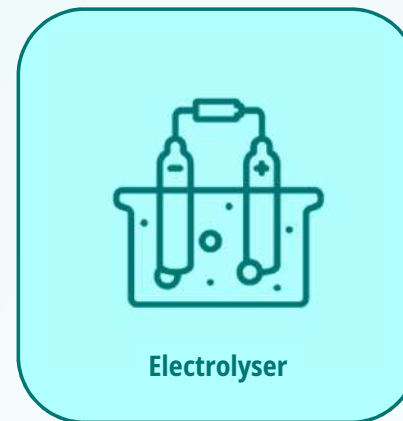
Electrolyser
manufacturer

✓ Allowed



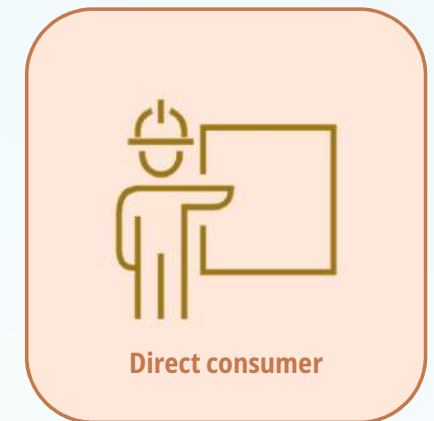
RE electricity
producer

Rules for public support
spelled out in RFNBO
Delegated Act



Electrolyser

✗ In general not allowed
✓ Some exceptions to this
rule



Direct consumer

✓ Allowed for CAPEX or non-
dedicated infrastructure
✗ Not allowed for OPEX related to
consumption of hydrogen
from auction winner



IF24 NZT Call & IF24 Battery

General provisions & Award Criteria

Which call should you apply for?

IF24 Auction: Fixed premium auction for

- RFNBO hydrogen production
- RFNBO hydrogen production for the maritime sector

IF24 Call: Lump sum call for Net-Zero Technologies

- Innovative commercialisation, demonstration, pilot plant or scale up of technologies, business models and processes that reduce GHG emissions

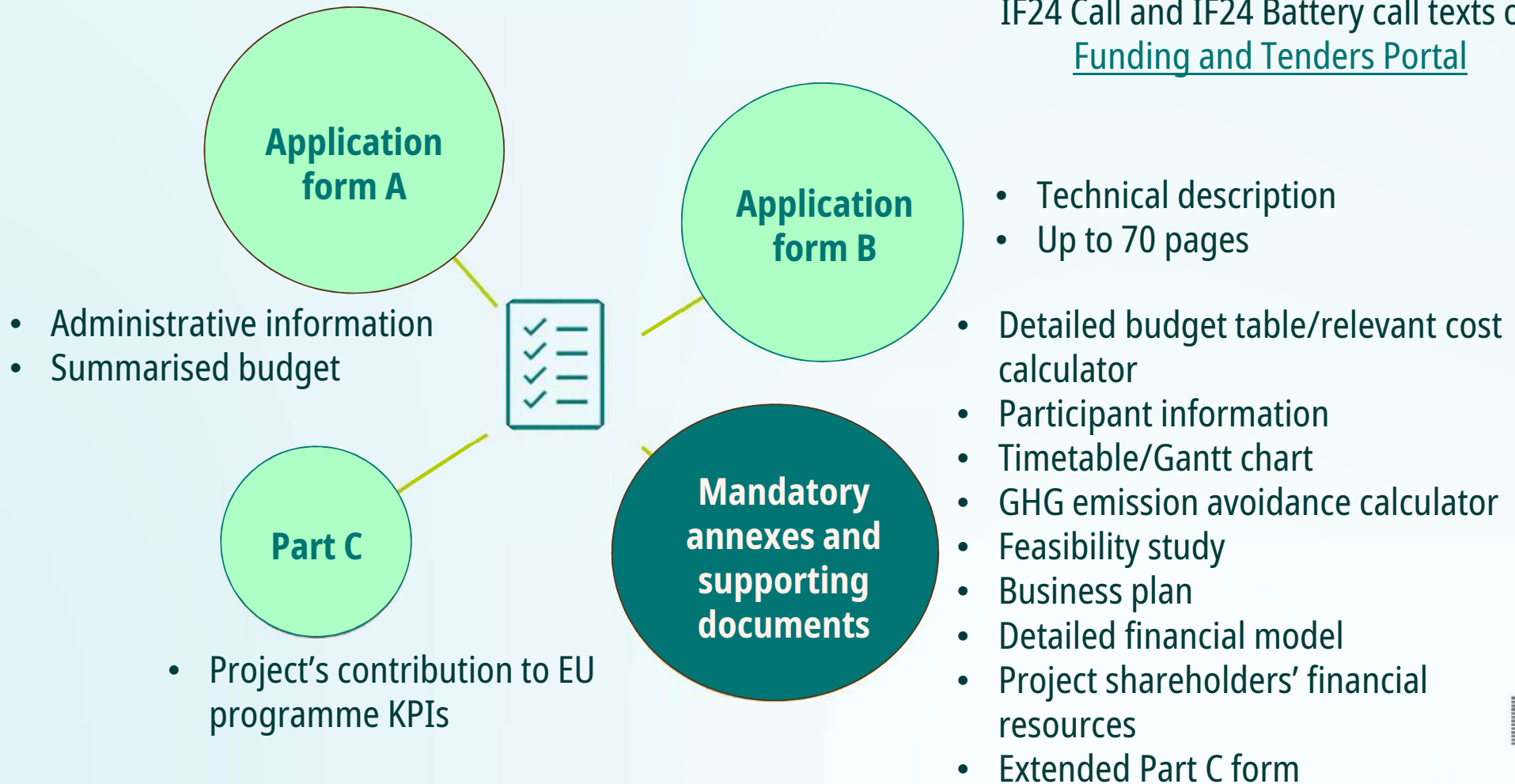
IF24 Battery: Lump sum call for

- Manufacturing of electric vehicle battery cell



Call text and mandatory documentation

IF24 Call and IF24 Battery call texts on [Funding and Tenders Portal](#)



How to apply?

Tutorials

CINEA produces a series of **tutorials** to help you throughout the application process.

Where to find useful information (coming soon)	Application process 📄	How to fill in PART C (coming soon)	Financial Information File (coming soon)
Introduction to Business Plan template and lessons learned on financial maturity (coming soon)	The extra file for data collection (coming soon)	GHG methodology calculation tutorials (coming soon)	

GHG Methodology videos

Find here a set of videos on the overview and guidance on the GHG calculations for each project category.

Main principles and step-by-step of the GHG calculation	Section 2: Energy Intensive Industries (EII)	Section 3: Renewable Energy Sources (RES)	Section 4: Energy Storage (ES)
Section 5: Mobility (MOB)	Section 6: Credit for carbon capture and storage (CCS) or utilisation (CCU)	Section 7: Batteries (BATT)	

Supporting documents

To complete the GHG Methodology tutorial and help you with your proposal, templates and examples of GHG calculations are available through the [following link](#) 📄.

Still have doubts? Check out the [Frequently Asked Questions section](#) on the Funding and Tenders Portal. If you still need further assistance, don't hesitate to contact the [Innovation Fund Helpdesk](#).

Check all relevant information to apply

-
- https://cinea.ec.europa.eu/funding-opportunities/calls-proposals/innovation-fund-2024-call-and-battery-calls_en
- Where to find useful information tutorial (coming soon)
- Application process tutorial (available)
- How to fill in PART C and the extended Part C form (coming soon)
- Financial Information File tutorial (coming soon)
- Introduction to Business Plan template & Lessons Learned on Financial Maturity (coming soon)
- GHG methodology calculation: tutorials (coming soon)
- GHG methodology: videos (available after the event)
- [Frequently Asked Questions](#)

Admissibility and eligibility criteria

Admissibility:

- Submitted **before** call **deadline**, electronically and using forms in the Submission System
- Complete all the application forms and include mandatory annexes and supporting documents

Eligibility:

- Participants have to be legal entities; can be established anywhere in the world
- Projects must be located in the EEA (EU Member States and Iceland, Liechtenstein, and Norway)
- The project must:
 - Reach financial close within four years after grant signature (maximum time to financial close)
 - Operate at least (minimum GHG emission avoidance monitoring period) five years after entry into operation (except PILOTS and SSP)
- SSP and PILOTS – operate at least three years after entry into operation
- Project budget: the maximum grant amount must not exceed 60% of the relevant costs
- Eligible activities



Geographical location for maritime projects

- When the projects concern investments on ships, those **ships must**:
 - Carry a flag of an EU Member States or an EEA country* and call ports under the jurisdiction of an EU Member State or EEA country at least 15% of their calls on ports over two years
 - Or must call ports under the jurisdiction of an EU Member State or EEA country at least 30% of their calls on ports over two years
 - Or perform service or support activities in ports under the jurisdiction of an EU Member State or EEA country
- When the **projects concern investments in ports infrastructure or perform services or support activities**, the ports must be under the jurisdiction of an **EU Member States or an EEA country***
- Some examples: renewable alternative fuel bunkering infrastructures in ports, including container transshipment ports

**(see the list in the call text)*



Cascade approach

1. Check **eligibility** and **admissibility**

- *(if all requirements are not met, the evaluation is stopped)*

2. Assess **Degree of Innovation** criterion

- *(if the score is below threshold, the evaluation is stopped)*

3. Assess **GHG Emissions Avoidance** and **Project Maturity** criteria *(if GHG minimum requirements are not met or score in any of the sub-criteria is below threshold, the evaluation is stopped)*

4. Assess **Cost efficiency** sub-criterion *(if the score for 'Quality of the cost calculation and min. requirement' is below threshold, the evaluation is stopped)*

5. Assess **Replicability** criterion and **Bonus points (IF24NTZ)**

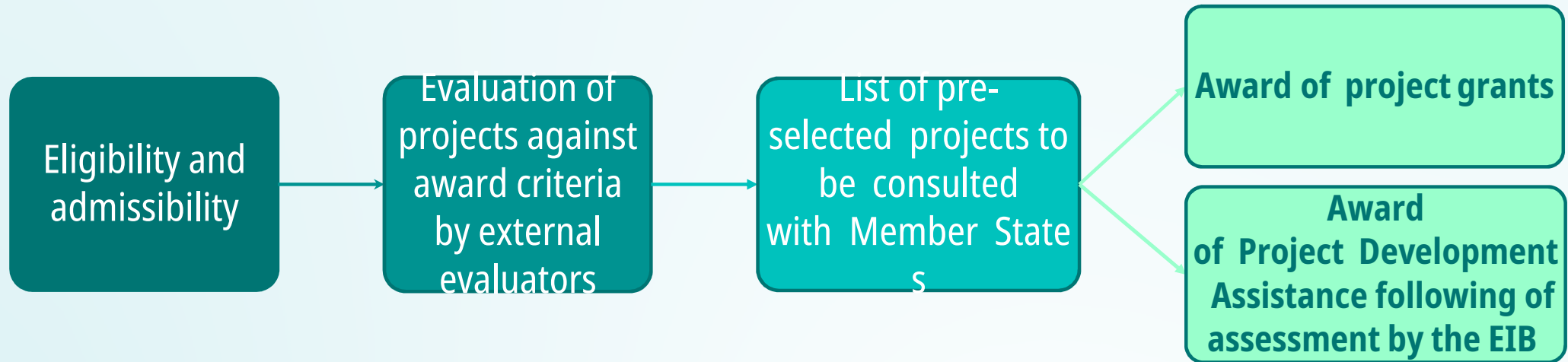


Simplifications compared to IF23 Call

- **Detailed Knowledge Sharing Plan no longer required** at submission. Knowledge sharing plan outline still mandatory in Application form B and assessed under Replicability award criterion
- **Number of pages** for Application form B (Technical Description) **reduced** to 70
- **Annex 3 to the call document on Minimum requirements** for documentation of project funding support and project contract terms added to guide applicants
- **Feasibility study (FS) template** — available in the Submission System (under "Part B templates") - FS is mandatory, if template not used ensure at least the same level of detail and information
- **Business plan (BP) template** — available in the Submission System (under "Part B templates") - BP is mandatory, if template not used ensure at least the same level of detail and information
- Technical, financial and operational **risks and mitigation measures**: no longer needed to in



Selection Procedure



Award Criteria (IF24 Call and IF24 Battery Call)

- Degree of Innovation
- GHG emission avoidance potential
- Manufacturing carbon footprint (IF24 Battery Call only)
- Project maturity
 - Technical maturity
 - Financial maturity and cost efficiency
 - Operational maturity
- Replicability
 - Efficiency gains and of multiple environmental impacts
 - Further deployment
 - Contribution to Europe's industrial leadership and competitiveness (incl. specific requirements for IF24 Battery call)
- Cost efficiency
- Security of supply and countering dependency (IF24 Battery Call only)
- Bonus points (IF24 call only)
 - Bonus 1 and 2: net carbon removals and other GHG savings
 - Bonus 3: use of additional renewable energy or RFNBOs
 - Bonus 4: for maritime sector projects



Lessons learned from previous calls

IF23 Call Results per topic

Full overview including all proposals

Results of all 337 proposals per topic*

General large-scale projects

- ⑩ **High quality:** 58% of proposals passed the evaluation
- ⑩ <5% failed Admissibility & Eligibility (A&E)

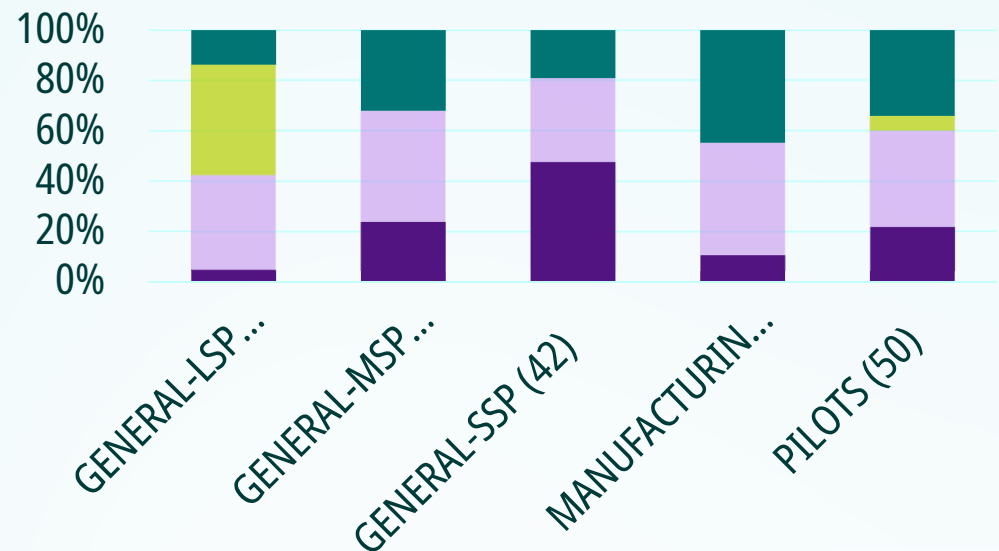
General medium-scale projects

- ⑩ > 30% passed the evaluation:
- ⑩ **All projects passing the evaluation were selected**
- ⑩ 24% failed A&E

General small-scale projects

- ⑩ **Low quality:** less than 20% passed the evaluation
- ⑩ 48% failed A&E

- Selected
- Failing evaluation
- Outside of funding range
- Failing A&E



*LSP = Large-scale projects ; MSP = Medium-scale projects ; SSP = Small-scale projects



IF23 Call Results per topic

Full overview including all proposals

Results of all 337 proposals per topic*

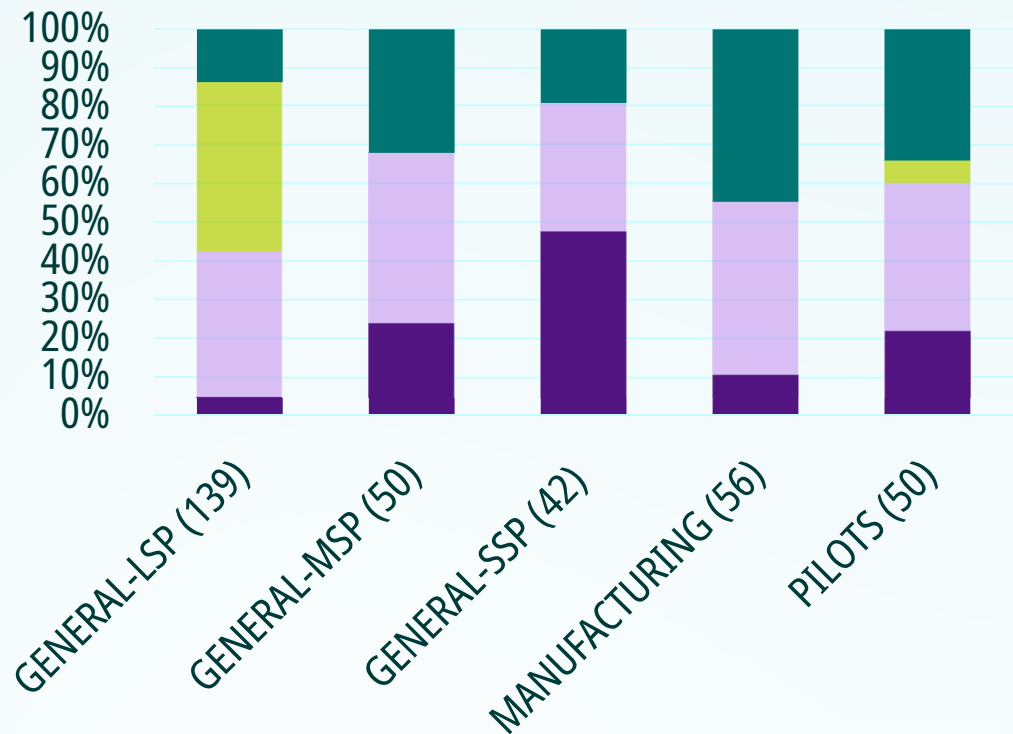
Manufacturing

- ⑩ 45% passed the evaluation
- ⑩ **All projects passing the evaluation were selected**
- ⑩ ~10% failed A&E

Pilots

- ⑩ 40% passed the evaluation
- ⑩ 22% failed A&E

■ Failing A&E ■ Failing evaluation
■ Outside of funding range ■ Selected



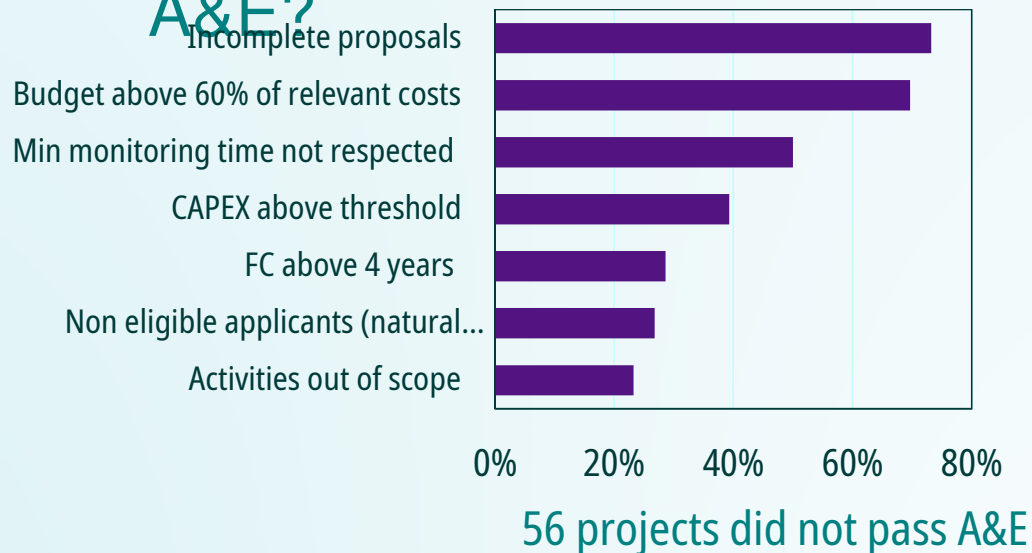
*LSP = Large-scale projects ; MSP = Medium-scale projects ; SSP = Small-scale projects



Admissibility and Eligibility (A&E)

IF23 Call

Why are proposals failing A&E?



Most common mistakes from **incomplete proposals**:

- *Relevant cost calculator* missing
- *Part B* not fully completed
- *Detailed financial model* missing
- *Business plan* missing
- *GHG calculator* missing
- *Feasibility study* missing
- *Gantt chart* missing
- *Knowledge sharing plan* missing

Follow the call text guidance precisely

- Provide all requested documents to be admissible
- Watch budget limits



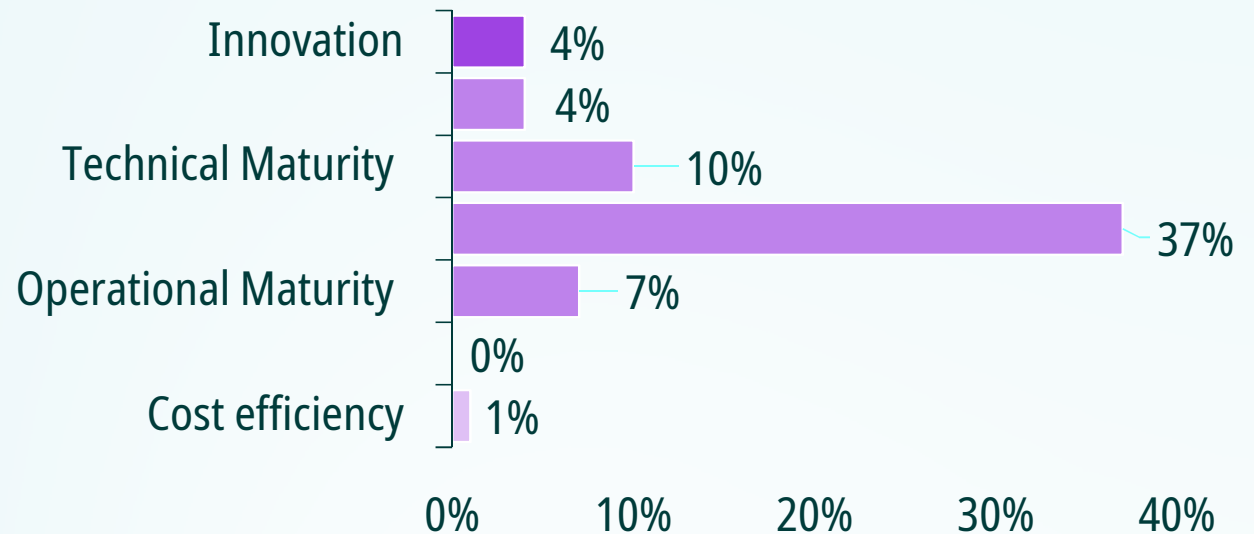
Results per evaluation criterion

IF23 Call

Out of 281 evaluated proposals, 85 were pre-selected for funding, 64 additional projects cannot be funded due to lack of budget

- Demonstrating financial maturity is the most challenging step of the evaluation process
- All proposals that reached the replicability assessment passed it

Failure rate for all eligible proposals*



* Some proposals failed various criteria simultaneously



More information on lessons learned, do's and dont's available online

IF24 Auction

- Presentations and recording available on the [CINEA website](#)

IF24 Call

- Presentations, recording and guidelines available on the [CINEA website](#)

IF24 Battery

- Presentations, recording and guidelines available on the [CINEA website](#)

Where to find more information?

Recordings Info days available online

IF24 Auction

- Presentations and recording available on the [CINEA website](#)
- Apply on [F&T portal](#)

IF24 Call

- Presentations, recording and guidelines available on the [CINEA website](#)
- Apply on [F&T portal](#)
- Additional [guidelines](#)

IF24 Battery

- Presentations, recording and guidelines available on the [CINEA website](#)
- Apply on [F&T portal](#)



Join as project evaluator for Innovation Fund

European Climate, Infrastructure and Environment Executive Agency, 2024



The European Climate, Infrastructure and Environment Executive Agency (CINEA)

Sign up as an EU expert

for the **INNOVATION FUND**

Deploying innovative net-zero technologies for climate neutrality

Funded by the EU Emissions Trading System



More information here:



<https://europa.eu/IRThFrw>

- Technical expert
- Financial expert
- GHG expert
- Rapporteur

[Sign up as an Expert \(europa.eu\)](https://europa.eu/IRThFrw)



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://cinea.ec.europa.eu/programmes/innovation-fund_en

And more videos available on YouTube:

<https://youtube.com/playlist?list=PLrp3luGqStFA2fAgz86AsmVp8dXp5kPIG&si=h2W68TyCZJKemcjH>



Let's keep in touch



climate.ec.europa.eu

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Thank you



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Retour d'expérience des lauréats 3 tables rondes

RECAP IF23

Dans le cadre de l'appel à projets IF23, **9 lauréats français** ont capté près de **520 M€** pour des projets innovants

PROGRAMME

<u>Table ronde n° 1</u> : La capacité d'abattement des GES, au coeur de l'innovation fund	<u>Table ronde n° 2</u> : Innovation et maturité, trouver le bon équilibre	<u>Table ronde n° 3</u> : Un process de candidature complexe
LafargeCement, Projet « CarboClearTech » (Ciment)	Aura Aero SAS, Projet « Hermes » (Aviation)	SIBANYE-STILLWATER SANDOUILLE REFINERY, Projet « Gallicam », (Matériaux actifs de cathode - batterie)
EDF Renouvelables, Projet « Hyode » (Hydrogène)	Normandie Hydrolienne, Projet «NH1 Raz-Blanchard » (Hydrolienne)	AssetCO EO2, Projet « EO2 » (Transport maritime)
FLOWATT, Projet « FLOWATT » (Hydrolienne)	BPI FRANCE	Blue Solution, Projet « RGEN 4 » (Recyclage de batterie)

Table ronde n° 1

La capacité d'abattement des GES, au coeur de l'Innovation Fund (animée par la DGAMPA)

témoignages lauréats : LAFARGE Cement, EDF Renouvelables, FLOWATT

1. Le degré d'innovation (15 points)

→ C'est relativement peu 15/ 72 points !

2. Les émissions de GES évitées (12 points) :

- 2.1 Emissions évitées de GES en absolu (2 points)
- 2.2 Emission évitées de GES en relatif (5 points)
- 2.3 Qualité du calcul et crédibilité des hypothèses (5 points)

L'abattement des GES
représente 27 / 72
points!

3. La maturité des projets (15 points) :

- 3.1 technique (5 points)
- 3.2 financière (5 points)
- 3.3 opérationnelle (5 points)

4. La capacité de déploiement industriel / répliquabilité (15 points)

- 4.1 en terme de réduction des coûts (5 points)
- 4.2 en terme de mise en œuvre de nouvelles technologies (5 points)
- 4.3 contribution au leadership industriel et à la compétitivité de l'Europe (5 points)

5. Rentabilité (15 points)

- 5.1 Calcul du ratio : subvention demandé / Emissions absolues GES évitées (12 points)
- 5.2 Qualité du calcul et crédibilité des hypothèses (3 points)

Critère 5 : cost efficiency*

$$\text{Cost efficiency} = \frac{\text{Subvention demandée}}{\text{quantité de GES abattus sur 10 ans}} < 200$$

Le porteur peut simuler sa note :

$$\text{Note} = 12 \left(1 - \frac{\text{cost efficiency}}{200} \right)$$

* 2000 pour un démonstrateur

Table ronde n° 2 Innovation et maturité, trouver le bon équilibre (animée par la DGE)

témoignages lauréats : **Aura Aero SAS, Normandie Hydrolienne**

Des seuils décisifs

- Innovation : Minimum 9/15 pour passer le seuil d'évaluation
-> Caractériser une innovation : **Manuel d'Oslo de l'OCDE**
- Maturité financière: Minimum de 3/5 pour passer le seuil d'évaluation

IMPORTANT : la grande majorité des projets candidats sont refoulés sur le critère de maturité financière.

Modalités de la subvention

- **Subventions** :
 - ≤ 40 % sont versés avant la clôture financière
 - ≥ 60 % après la clôture financière
 - 10 % à la mise en service
- la clôture financière < *grant* signature + 4 ans
- Éligible : jusqu'à 60 % des CAPEX + OPEX – Σ chiffre d'affaire actualisée sur 10 ans
- **Examen des projets** : uniquement sur dossier, pas de demande de complément, pas d'entretien

- Le **Project Development Assistance** de l'Innovation Fund, géré par la BEI, aide les projets prometteurs mais insuffisamment matures à se structurer grâce à une assistance technique et financière : innovationfund@eib.org
- Pour les PME : **diag. Europe** (BPI France) permet de soutenir financièrement le montage de dossier contact : equipe.diag@bpifrance.fr

Table ronde n° 3 : Conseils pour déposer un dossier IF (animée par l'AID)

témoignages lauréats : Sibanye-Stillwater, AssetCo EO2, Blue Solutions

Les questions à se poser

- Les ressources dédiées au montage du dossier
- La présentation de la technologie (Importance de la narration)
- Les soutiens : des leviers à saisir

Un montage de dossier chronophage

Constituer un dossier solide lors d'une première candidature demande beaucoup de temps et/ou souvent nécessite un soutien extérieur

Des opportunités de structurer son projet

En plus d'être un effet levier, le fait d'être lauréat d'autres dispositifs nationaux ou européens permet d'apprendre à bien structurer sa candidature.

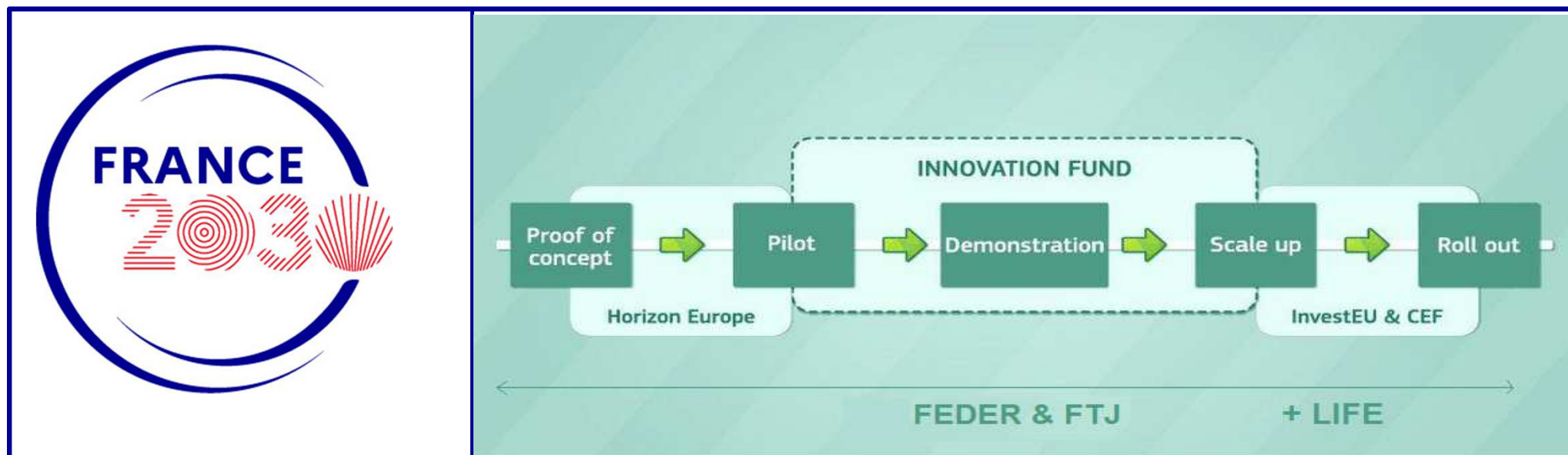
Un suivi post-lauréat robuste

Après avoir été lauréat, il est nécessaire de réaliser un audit financier rigoureux dans le cadre de la signature de la convention de subvention.

A noter également qu'il faut être en mesure de prouver que les objectifs d'abattements de GES sont bien atteints sur 10 ans.

L'Innovation Fund, une opportunité pour créer des synergies entre fonds européens et nationaux

- ✓ Une articulation à trouver entre les dispositifs FR/UE
- ✓ Maximiser le soutien entre les différents dispositifs
- ✓ effet d'entraînement



Innovation Fund: La communication

- **Rapport juin 2024** : <https://op.europa.eu/en/publication-detail/-/publication/126a0d43-2745-11ed-8fa0-01aa75ed71a1/language-en>

- **Rapport d'avancement 2022** : <https://op.europa.eu/en/publication-detail/-/publication/126a0d43-2745-11ed-8fa0-01aa75ed71a1/language-en>

- **Liste des lauréats** : https://climate.ec.europa.eu/eu-action/eu-funding-climate-action/innovation-fund/innovation-fund-projects_en

Suivez-nous sur la page de l'Innovation Fund PCN France :
<https://www.linkedin.com/company/innovation-fund-pcn-france/?viewAsMember=true>


Annexe 1 : Résumé du call NZT IF24

Tableau de Synthèse du call IF24

Catégorie du projet	Budget enveloppe 2024	Eligibilité des projets (CAPEX)	Eligibilité du Cost Efficiency : ratio Subvention / (quantité de GES évités sur une durée de 10 ans)	Taux de GES min à abattre	Pondération critères
Petit	100 M€	2,5 M€ < CAPEX < 20 M€	< 200 €/t CO2	50%	-
Moyen	200 M€	20 M€ < CAPEX < 100 M€		50%	
Large	1 200 M€	CAPEX > 100 M€		50%	
Production de technologies propres	700 M€	CAPEX > 2,5 M€		50%	Innovation & maturité : coef. 2 Réplicabilité/20
Pilotes	200 M€			< 2 000 €/t CO2 (soutien max de 40 M€)	75%
Total	2,4 Md€				

Recommandation PCN : définir un CAPEX juste sous les plafonds (20 ou 100 M€).
Le montant total du budget n'est pas fixe et peut encore être augmenté de 40% au maximum.

Annexe 2 : Les synergies possibles avec l'IF

Dispositifs	Soutien pour
Horizon Europe	Soutien projets R&D, pilots.... Les PME candidats à l'IF peuvent être éligible à l'EIC accelerator : contact : pcn-eic-accelérateur@recherche.gouv.fr
Invest EU (Et en France la Caisse des Dépôts)	Soutien aux projets de déploiement (infrastructures durables), en apportant des garanties financières / Prêts bancaires. BEI : Invest EU Advisory Hub CDC : europa.cdc@caissedesdepots.fr
Connecting Europe Facility	Soutien aux infrastructures européennes notamment Infrastructures des Transports & Energie : Contact : maria.tortorella@developpement-durable.gouv.fr
LIFE Clean Energy Transition	Soutien au déploiement industriels (efficacité énergétique, heating, cooling...), ex. : méthodologies, déploiement norme... -> Projets opérationnels (pas de R&D) , possibilité de candidater seul : Contact : fabien.delafalize@developpement-durable.gouv.fr
FEDER / FTJ	Renforcer la compétitivité et la cohésion des régions européennes – faire face à l'impact éco et social -> Cofinancement pour les projets régionaux sur l'ensemble du continuum de l'innovation (tout TRL) S'adresser directement aux régions.
	Plusieurs appels à projets ouverts : AAP indus EnR : dernière relève le 31 janv. 25 : industrieenr@ademe.fr AAP Decarb ind 25 : relève le 13 mars 2025 : decarbonation.industrie@ademe.fr AO GPID : relève le 15 mai 2025 : https://agirpourlatransition.ademe.fr/entreprises/aides-financieres/20241219/appe-doffres-grands-projets-industriels-decarbonation-2024

Annexe 2 : pour candidater

Dispositifs	Liens
Fonds de l'innovation	https://cinea.ec.europa.eu/funding-opportunities/calls-proposals/innovation-fund-2023-call_en
Horizon Europe	
Invest EU	
Connecting Europe Facility	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/calls-for-proposals?order=DESC&pageNumber=1&pageSize=50&sortBy=startDate&status=31094501,31094502
LIFE	
FEDER / FTJ	https://www.europe-en-france.gouv.fr/fr/appels-a-projet
EMFAF European Maritime, Fisheries and Aquaculture Fund	https://oceans-and-fisheries.ec.europa.eu/funding/emfaf_en

QUESTIONS INFODAY

Veillez noter que ces questions-réponses fournissent uniquement des orientations générales et ne sont pas destinées à traiter les circonstances spécifiques de cas particuliers. Les informations fournies n'ont pas de caractère contraignant et sont sans préjudice pour l'évaluation de la ou des proposition(s) soumise(s).

Éligibilité géographique

- **Est-ce que les pays hors de l'UE comme le Maroc sont éligibles pour le fonds ? Si oui, quels sont les critères pour postuler ? Y a-t-il un cahier des charges à suivre ?**
- **Est-ce qu'un projet avec une installation de production en Suisse peut être éligible ?**

Les pays éligibles sont les membres de l'Union Européenne ainsi que la Norvège, le Liechtenstein et l'Islande. Toutefois, si un projet inclut des activités à la fois dans les États membres et en dehors de ce périmètre éligible, seules les parties réalisées dans le périmètre éligible peuvent être présentées.

Financement et budget

- **Au-delà du budget par topic, peut-on connaître le financement possible par projet ?**

Il n'y a pas de financement fixe par projet. Chaque projet peut bénéficier d'un financement allant jusqu'à 60 % des « Relevant Costs » tels que définis dans les documents de l'appel à projets..

- **Quel budget par projet Small Scale est prévu en 2024 ?**

L'enveloppe dédiée aux Small-Scale Projects pour l'appel à projets NZT (Net Zero Technology) de l'IF24 est de **100 M€**.

- **Comment fonctionne la compatibilité entre les subventions IF et le "Grant as a Service" proposé par certains États membres ?**

Le "Grant as a Service" permet à un État membre de financer un projet éligible et classé à l'Innovation Fund mais non retenu pour toucher la subvention faute de budget suffisant sur l'enveloppe de l'innovation fund. Cela simplifie les démarches administratives, notamment en évitant une notification à la Commission Européenne pour les aides dépassant les seuils publics. La France examine actuellement cette proposition.

Critères environnementaux et calcul des émissions

- **Le ratio de "-50 % de GHG emission avoidance" est-il discriminant ?**

Le taux de réduction minimale des émissions de gaz à effet de serre (GES) dépend de la catégorie de l'appel :

- Toutes les catégories sauf INNOVFUND-2024-NZT-PILOTS : $\geq 50\%$.
 - INNOVFUND-2024-NZT-PILOTS : $\geq 75\%$.
 - l'appel à projet sur les batteries : $\geq 50\%$.
- le projet doit respecter ces taux de réduction minimale pour être éligible.

- **Comment déterminer la référence pour le calcul des émissions évitées (GHG avoidance) ?**
- **Comment calculer les GHG avoidance pour un projet pilote dont les produits ne seront pas commercialisés ?**
- **Qu'en est-il des industries avec des émissions chimiques de procédé rendant difficile l'atteinte des 75 % ?**

Le calcul des GES abattus se fait en comparaison avec une technologie ou solution existante. Des guides sont disponibles sur le site de la Commission Européenne.

- **Comment calculer les GHG emissions avoidance pour un additif de batterie pour véhicules électriques ?**

Voir l'information disponible sur le site de la Commission Européenne concernant les calculateurs des GES ou envoyer une question sur l'help desk.

Durée et mise en œuvre des projets

- **Dans l'IF NZT, qu'entend-on par "un projet doit être opérationnel dans les 5 ans après la mise en service" ?**
- **Précisions sur la durée des projets "de 15 ans" ?**
 1. T1 2026 : Préparation de la convention.
 2. Les projets financés par l'IF doivent avoir une durée maximale de 15 ans. Cette durée inclut la date de clôture financière, la construction, la mise en service et la période de monitoring des émissions en prenant en compte les provisions suivantes de l'appel à projets :
 - La Clôture financière dans un délai de 4 ans après la signature.
 - La période de monitoring doit être au moins de 5 ans après la mise en service, sauf pour les Pilotes pour lesquels la période de monitoring doit être au moins de 3 ans.
 3. Déploiement respectant le calendrier soumis.
 4. Le calcul des GES sur 10 ans à compter de la mise en service des installations.
 5. Le calcul des « Relevant costs » prend en compte les CAPEX ainsi que les revenus/bénéfices et coûts opérationnels pendant la construction et les 10 premières années après la mise en service des installations
 6. Le projet doit être opérationnel pendant toute la durée de vie des installations, indépendamment de la durée du projet de l'IF .

Dossiers et candidatures

- **Y a-t-il un critère sur le TRL des projets ?**

L'Innovation Fund finance des technologies innovantes et fiables pour le déploiement industriel. Il n'y a pas de niveau minimal de TRL requis dans les cahiers des charges. Toutefois, les projets à TRL bas ($\leq 5-6$) sont à réorienter vers le programme d'Horizon Europe.

- **Les groupements de collectivités peuvent-ils porter un projet ?**

Oui, toute entité juridique éligible peut candidater, seule ou en consortium.

- **Le coordinateur du projet peut-il ne pas être bénéficiaire de l'aide ?**

En principe, les bénéficiaires du Consortium, y compris le Coordinateur, doivent être bénéficiaires de la subvention.

- **Conseils pour le dépôt de dossier en consortium ?**

Consulter les guides et le [help desk](#) sur le site de la CE. Les PCN partagent également des retours d'expérience lors des événements.

Critères de sélection et évaluation

- **Qu'entend-on par résilience dans "Replicability" ?**

Selon le cahier des charges de l'appel à projets NZT: la résilience s'apprécie dans le cadre de la chaîne d'approvisionnement du projet, notamment au regard d'indicateurs considérés comme pertinents pour l'approvisionnement responsable en matières premières : gouvernance, le risque de conflit, les droits humains et sociaux, la performance environnementale et le risque lié à l'eau. Pour en savoir plus, vous pouvez lire le point 4 du titre 9 "*Award criteria*" (page 24) du cahier des charges.

- **Projets rentables ou non rentables pour les Pilots ?**

Les démonstrateurs sont moins axés sur l'efficacité économique, mais la crédibilité et la maturité restent déterminantes.

- **Comment calculer le cost efficiency pour un pilote ?**

- Cost efficiency* = Montant des subventions demandées / Quantité de GES abattus sur 10 ans. (€/tCo2 eq)
- **Notation :**
 - projet Pilots : Note = $12(1 - \text{cost efficiency}/2000)$.
 - Autres projets : Note = $12(1 - \text{cost efficiency}/200)$.

*le Cost efficiency tient compte également des demandes de subventions d'autres guichets.

- **Et pour les lettres de soutien ou labellisations ?**

Éviter les lettres sans soutien financier des investisseurs. Valoriser les certifications ou concours. Le dossier d'appel à projets inclut dans l'annexe 3 un guide sur les attentes en termes de lettres de soutien et autres documents justificatifs à inclure dans les dossiers.

Soutien aux candidats et dispositifs

- **Un fondateur seul peut-il préparer un dossier ?**

Le retour d'expérience montre que la constitution d'un dossier est chronophage et peut nécessiter une aide externe. Des dispositifs comme DIAG EUROPE ou LIFE (plus accessibles) existent.

Autres questions

- **Les liants font-ils partie de la nouvelle politique européenne sur les matériaux avancés ?** Oui, notamment dans les secteurs du ciment et des matériaux de construction, avec des projets déjà lauréats de l'Innovation Fund.

Liens utiles :

[lien vers les cahiers des charges](#)

[liste des lauréats de l'innovation fund](#)

[page du PCN France](#)