



Innovation Fund Large scale projects call 2021

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Agenda

- CINEA in a nutshell
- Innovation Fund
- Results of 2020 calls
- Lessons learned Large-scale call 2020:
- 2021 Large-scale call
- How to prepare a good proposal

CINEA in a nutshell

EU Players

EXECUTIVE AGENCIES

(since 01.04.2021)

CINEA

ERCEA

REA

EISMEA

EARCEA

HaDEA



European Council



Court of Justices of the European Communities



European Court of Auditors

Who does what?



Defines policy

- Defines strategy, objectives and priority areas/work programmes
- Makes programme decisions
- Evaluates the programme and the Agency's performance



Turns policy into action

- Organises calls for proposals and Selects projects for co-financing
- Manages project life-cycle
- Monitors technical and financial implementation of projects
- Ensures sound financial management

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

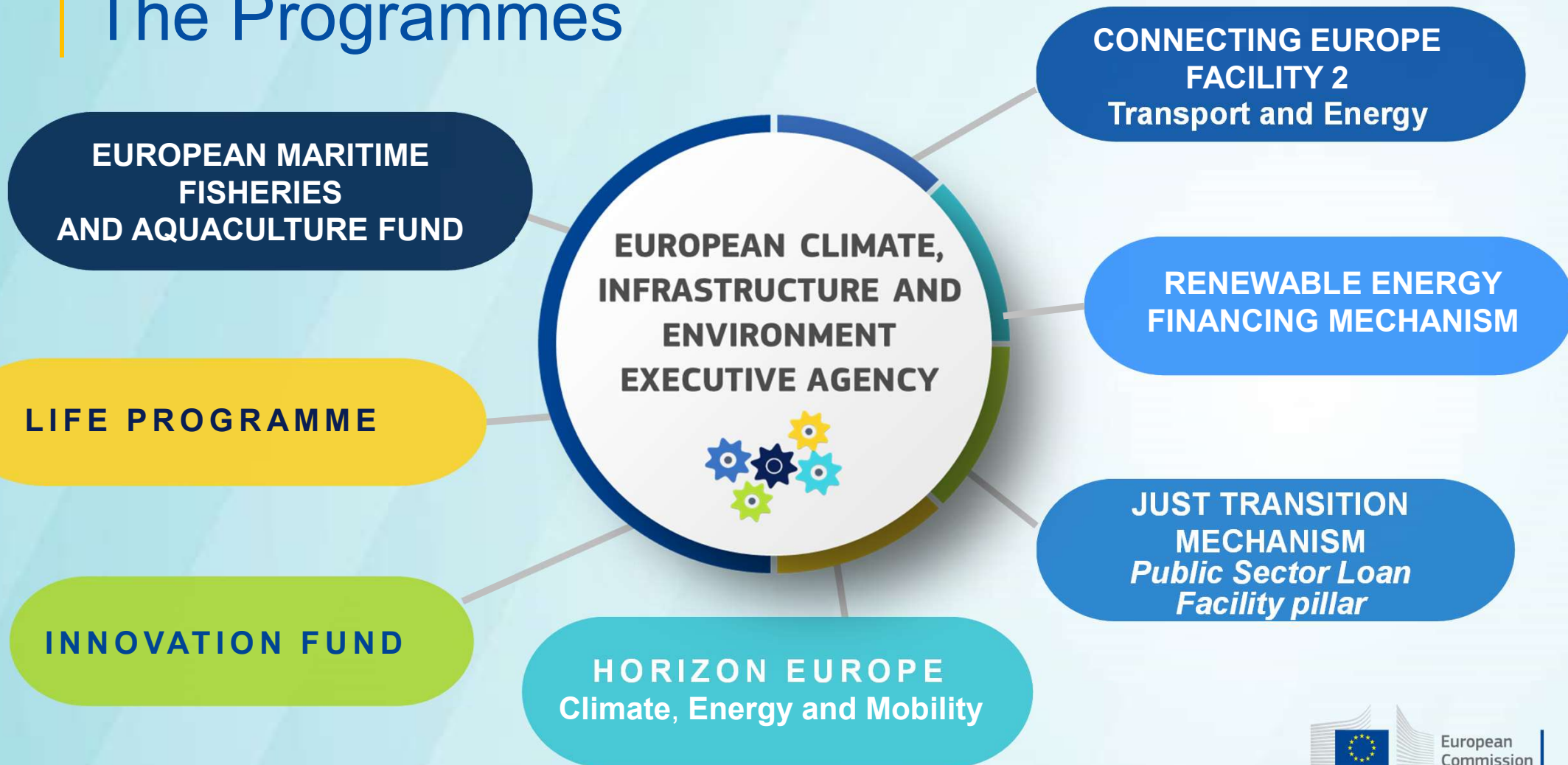
- **Policy feedback** as an essential part of funding activities
- **Expertise** at the service of **beneficiaries** in managing the complete lifecycle of projects
- Exploitation of **synergies** and dynamic ways to work **across programmes**

Key contribution to the European Green Deal



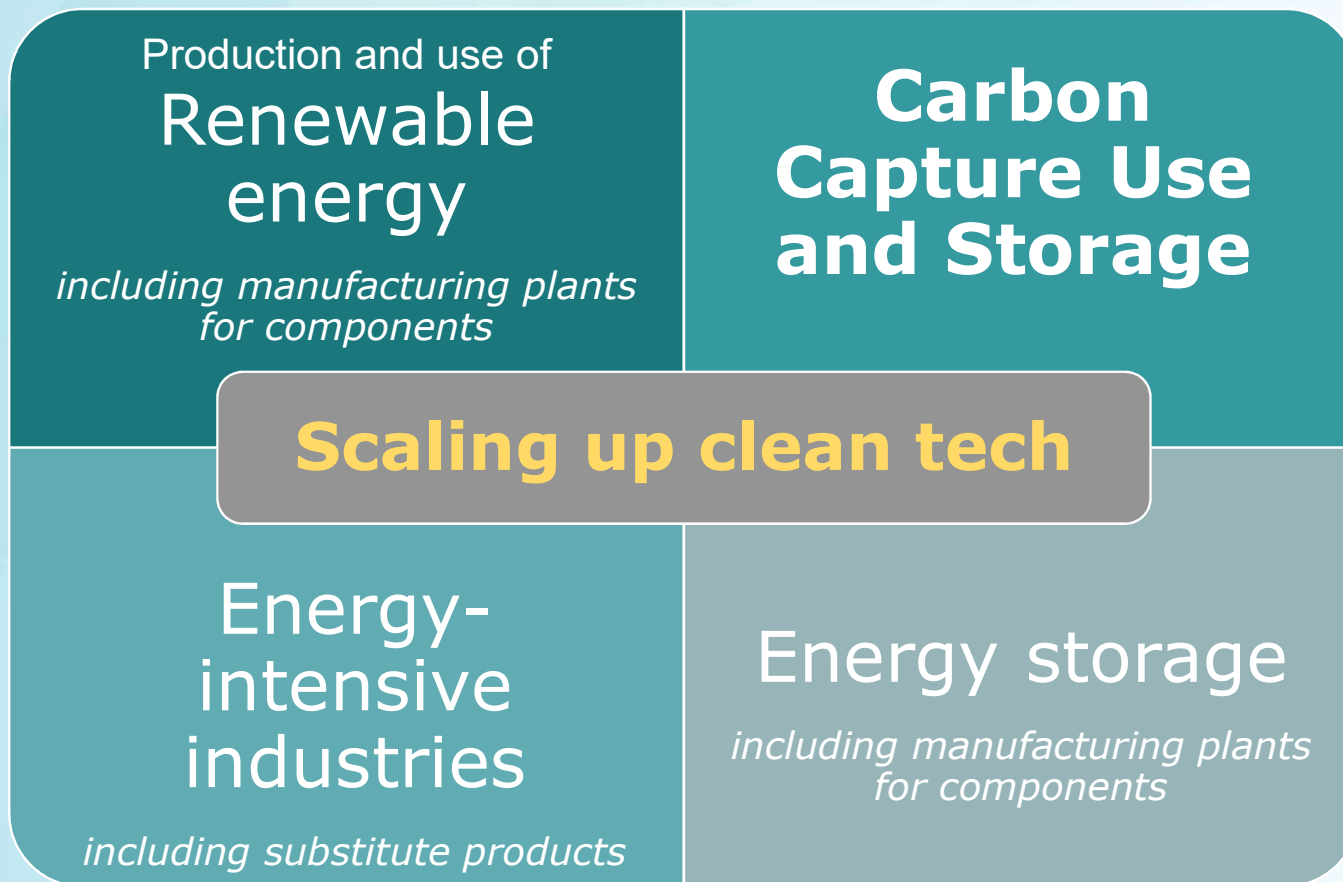
- Implementing the new portfolio will support the **European Green Deal** - the roadmap for making the EU's economy **sustainable**
- Aiming to boost the efficient use of resources by moving to a clean circular economy, restore biodiversity, cut pollution, and achieve **climate neutrality by 2050**

The 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*

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

Grants: **Up to 40%** of grant disbursed at financial close

Grants: **Up to 60%** of grant disbursed during construction and **10-years** operating period against GHG emission avoidance

Small scale projects – shorter **3-years** period

Grants: **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

InvestEU: Green Transition Investment Facility: top-up of blending operations

What will be funded?

- The Innovation Fund focuses on **highly innovative technologies** and **big flagship projects** within Europe that can bring on significant GHG emission reductions. It is about **sharing the risk** with project promoters to help with the **large-scale demonstration or first-of-a-kind** commercial projects.
- It aims to finance a **varied project pipeline** of a wide range of innovative technologies in all eligible sectors and Member States, Norway and Iceland. **Sectoral and geographical balance** is an objective for the whole timeframe of the programme.
- At the same time, the projects need to **be sufficiently mature in terms of planning, business model as well as financial and legal structure.**
- The fund supports also **cross-cutting projects** on innovative low-carbon solutions that lead to emission reductions in multiple sectors, for example, through industrial symbiosis.

Results of the 2020 calls for projects

Results of first calls

Call for large-scale projects



Grants of EUR 1145 million for 7 projects



Project development assistance for 15 projects

Call for small-scale projects



Grants of EUR 109 million for 30 projects



Project development assistance for 10 projects
















Innovation Fund 2020 – 1st Small Scale call

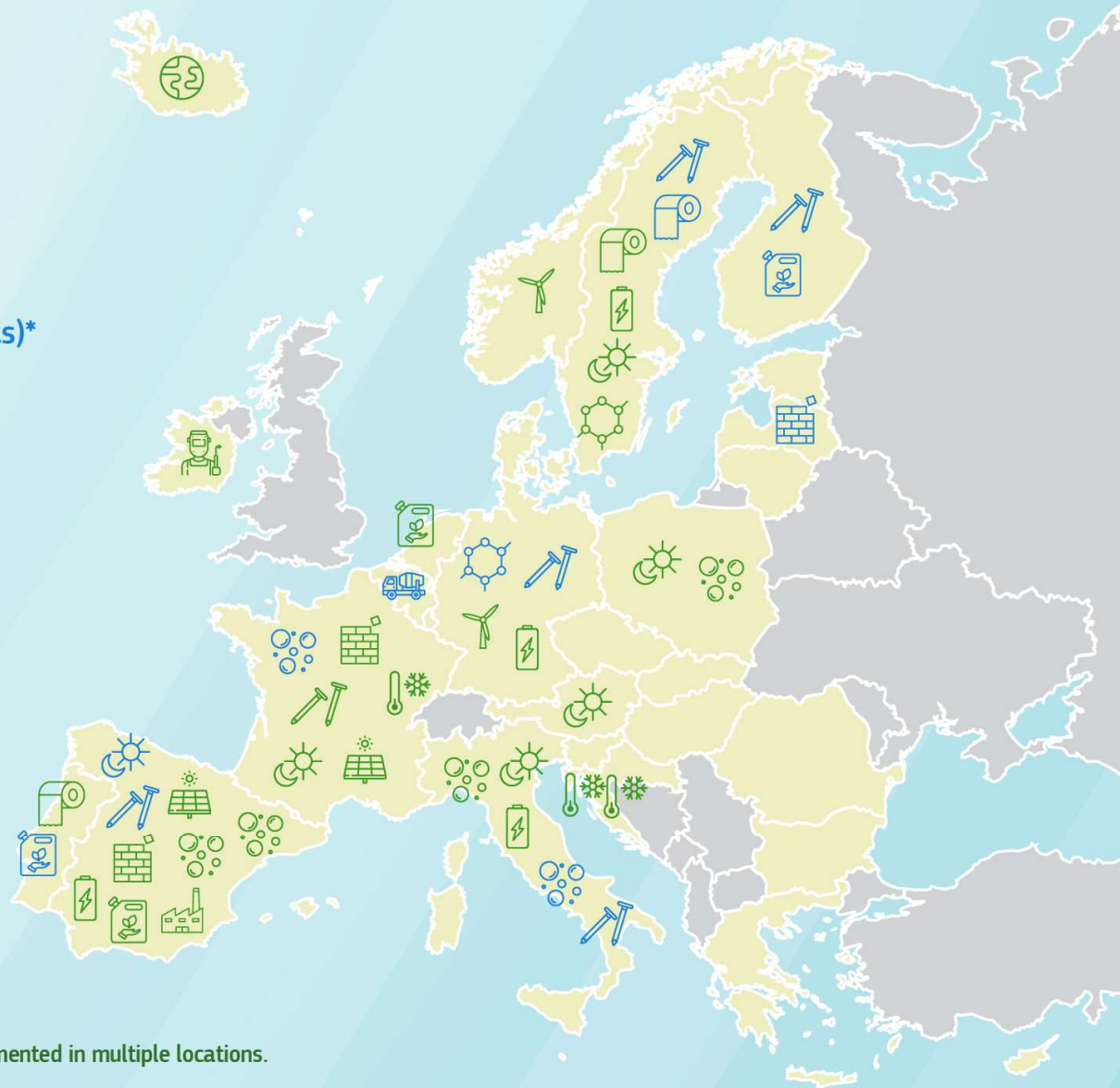
- **232 projects submitted** (deadline March 2021)
- **175 proposals** were deemed admissible and eligible
- **37 proposals** passed all thresholds
- **30 proposals** successfully signed the grant agreement
(total 109 million EUR)

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.

Innovation Fund 2020 Large Scale call (2 stages, closed call)

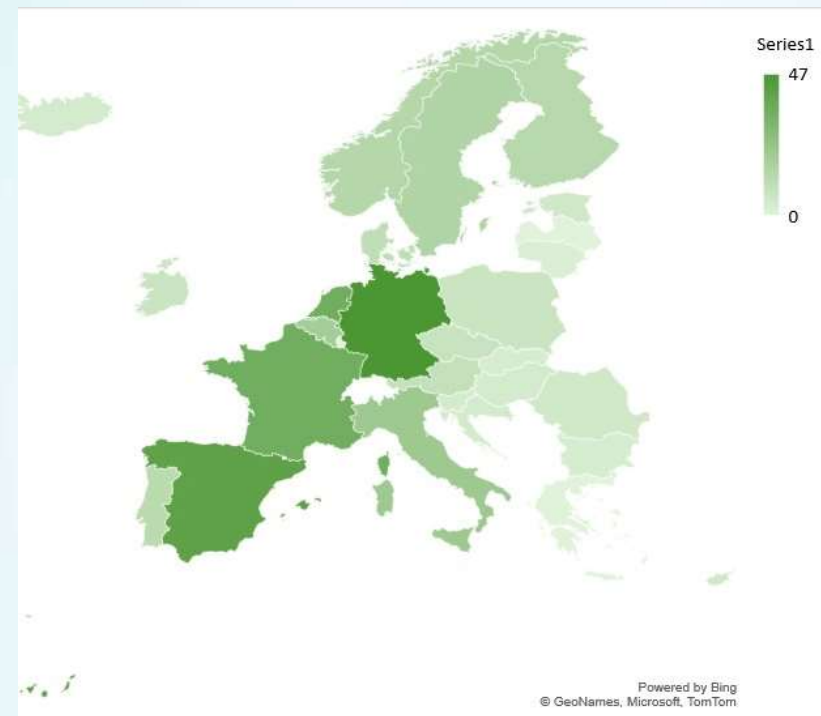
1st call for Large-Scale projects

→ **311 projects submitted** (1st stage,
deadline October 2020)

→ **70 projects invited to 2nd stage**

→ **66 projects submitted** (2nd stage,
deadline, June 2021)

→ **7 recommended for funding**
(GA preparation recently started)



Innovation Fund

Large-scale projects

Green: Projects pre-selected for a grant (7 projects*)

Blue: Projects awarded project development assistance (15 projects*)

- | | |
|--|---|
|  Biofuels and biorefineries |  Other energy storage |
|  Chemicals |  Bio-electricity |
|  Planned CO ₂ storage location |  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.

7 first-of-a-kind Large Scale projects (€1.1 billion)

KAIROS-AT-C

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

BECCS

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

K6

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

SHARC

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

HYBRIT

Hydrogen-based direct reduction for steelmaking, including electrolyser - Sweden

ECOPLANTA

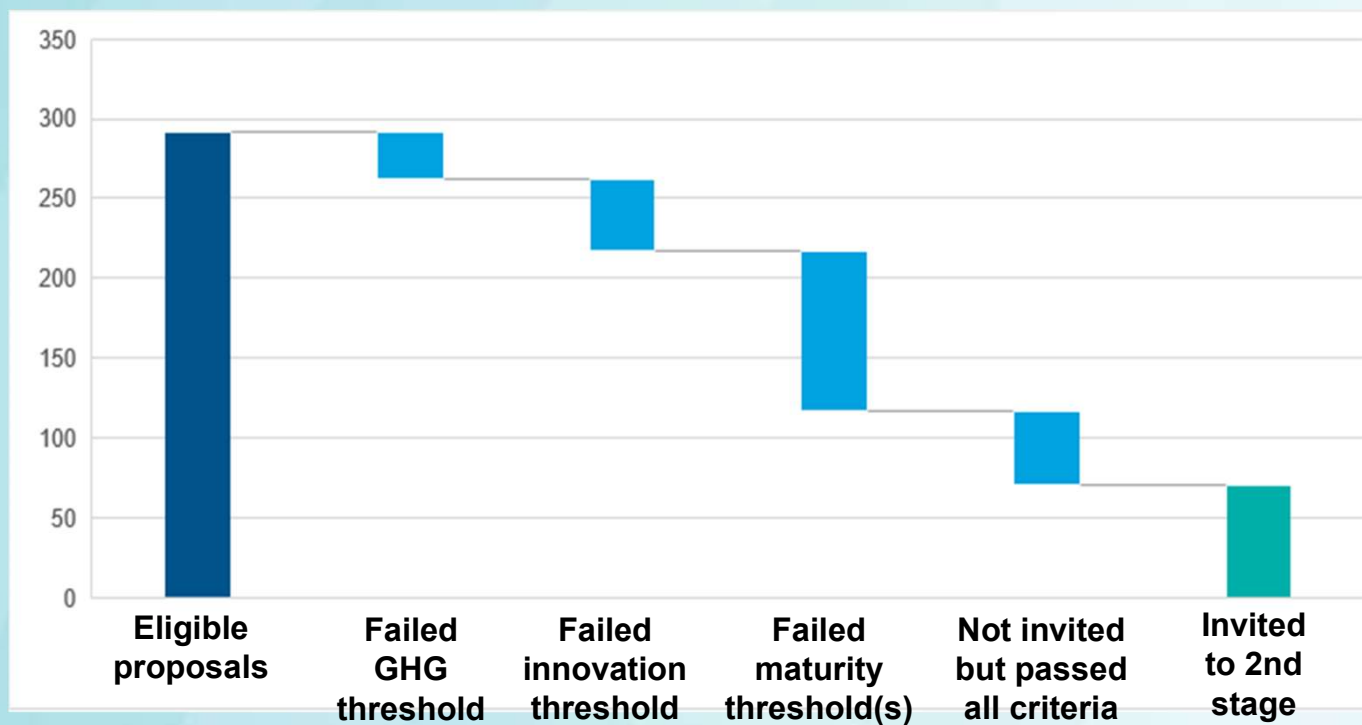
Bio-based methanol from non-recyclable municipal waste - Spain

TANGO

Bifacial heterojunction photovoltaic cells production at GW scale - Italy

The Large Scale call 2020: lessons learned

Lessons learned LSC-2020 first stage

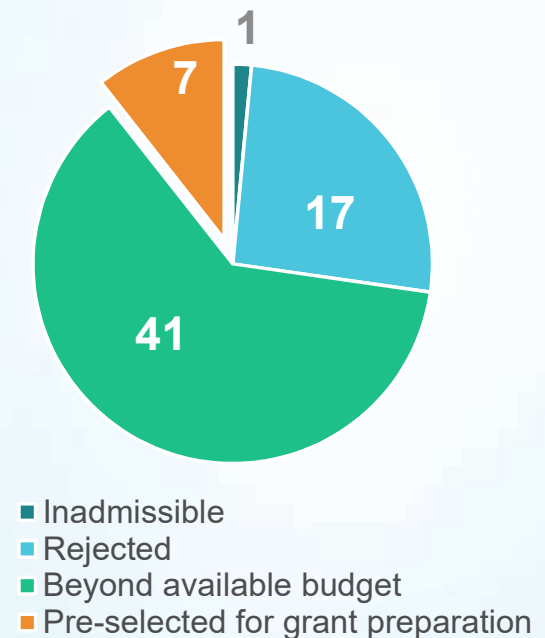


- The high number of proposals with good score on innovation but insufficient maturity highlights the opportunity for some projects to still improve further and stand a better chance of being invited in future calls

Lessons learned LSC-2020 Second stage high number of promising projects

- **7** best scoring proposals that fitted the available budget of **€1.1 billion** were **pre-selected** for grant preparation
- A further **41** proposals met all requirements but could not be funded as they were **beyond the available budget**
- **17** proposals were **rejected** because of manifest errors
- Only **1** proposal was **inadmissible** at 2nd stage due to significant changes compared to 1st stage

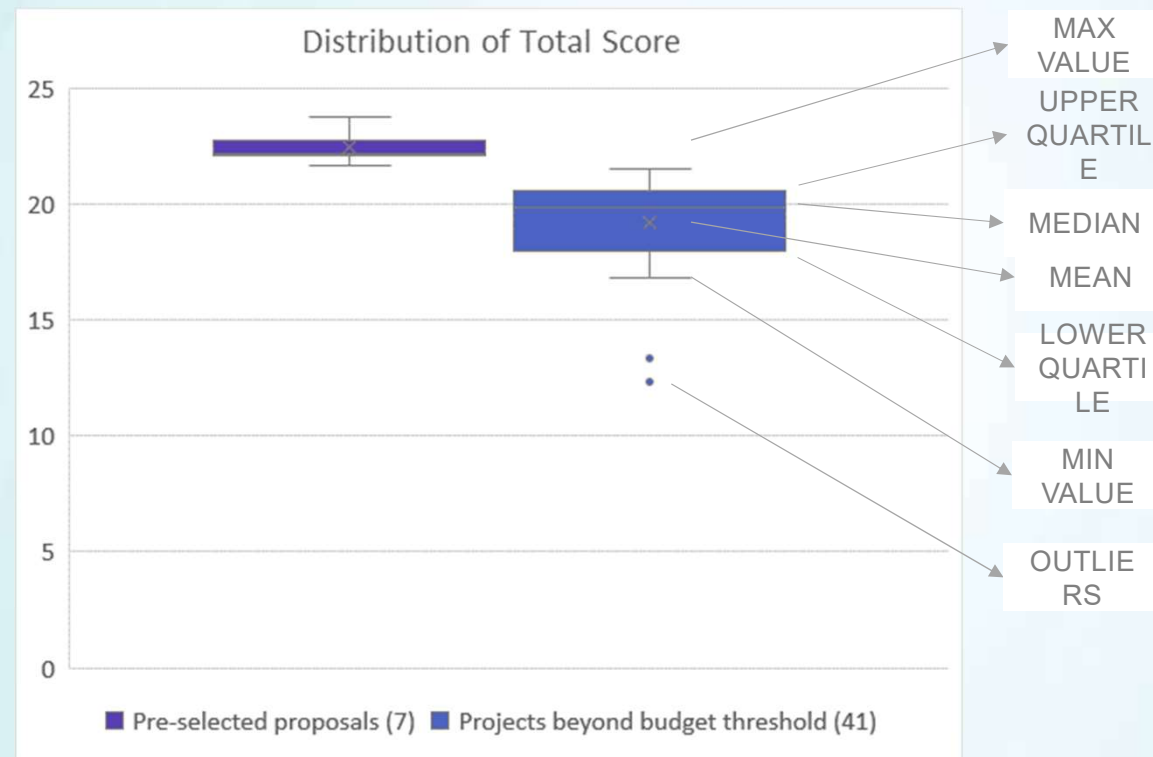
Applications submitted



Lessons learned LSC-2020 Second stage

The pre-selected proposals scored high overall

- All pre-selected proposals showed high quality consistency and scored high on most award criteria
- Many proposals which fell beyond the budget threshold actually performed well, demonstrating an opportunity to improve their application and potentially be successful in future IF calls



*Rejected because of manifest errors in one or more criteria

The second Large Scale call (2021)

Innovation Fund – 2nd call for large-scale projects (open)

Grants of EUR 1.5 billion

50% increase compared to first call

Project development assistance available for 20 promising projects

Call text largely similar to first call

Only targeted improvements based on feedback from first calls

Easy resubmission for the projects which were not selected in the 1st call

Stable documents to allow better guidance for new applicants

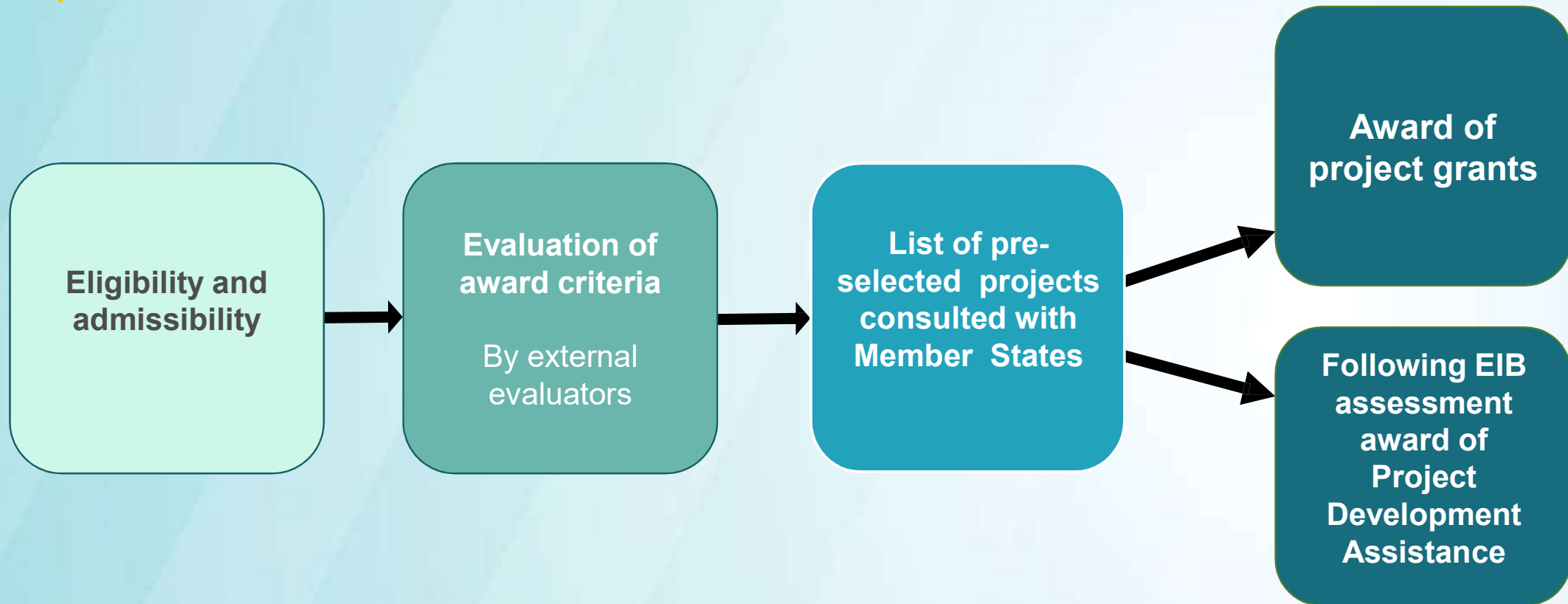
Already open

Launched on 26 October 2021

Submission deadline on 3 March 2022

Results from single-stage evaluation expected for Q3 2022

Selection Procedure



Admissibility and eligibility criteria

They are listed in the [call for proposal](#) Chapter 4 and 5

Admissibility

-
- Applications must be submitted before the **call deadline**
- Applications must be **complete** (Application Form Part A, Part B, Part C + Mandatory supporting documents)
-

Eligibility

-
- The **minimum number of applicants** is one
- Projects with a **total capital expenditure above EUR 7.500.000** are eligible
- Projects concerning **activities listed in section 2.2 of the call text** are eligible for funding
- Only **actions implemented** on the territory of one (or more) of the **EU Member States, Norway or Iceland** are eligible for funding under this call.
- Duration: projects must reach **financial close within 4 years after GA signature**; default **operation period is 10 years**
-

Award Criteria: minimal adaptations with respect to 2020

GHG EMISSIONS AVOIDANCE

- **Absolute** emissions avoidance (*compared to sector depending on median avoidance*)
- **Relative** emissions avoidance
- - **Quality and credibility** of the calculation (*moved from technical maturity*)
 - Potential to deliver **net carbon removals** (*moved from degree of innovation*)
 - **Other GHG savings** (*moved from degree of innovation*)

DEGREE OF INNOVATION

- Innovation beyond state-of-the art
- Contribution to EU policy objectives:
 - Energy efficiency
 - Circular economy
 - Deployment of renewable electricity (where relevant)

PROJECT MATURITY

- Technical maturity
- Operational maturity
- Financial maturity

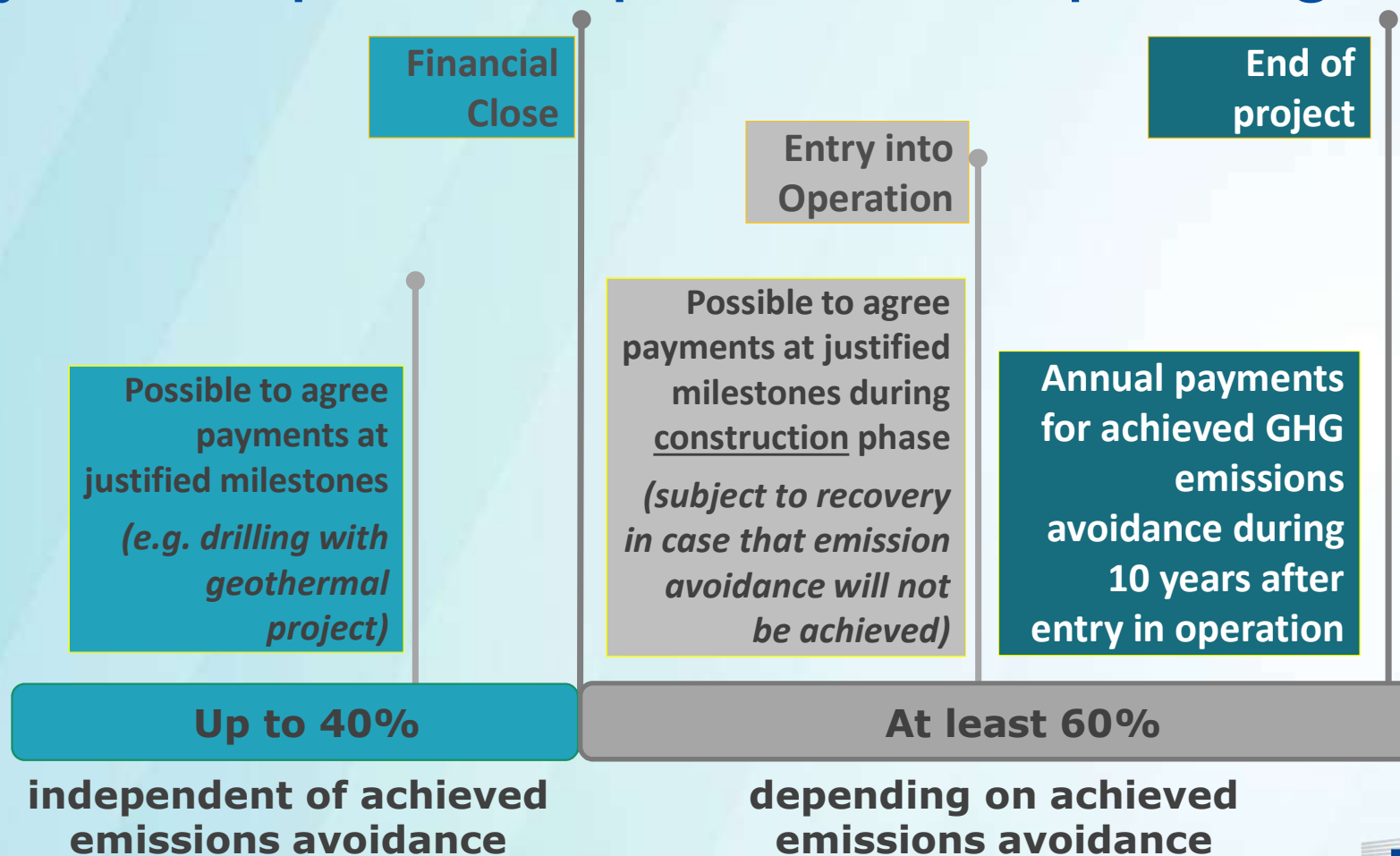
SCALABILITY

- **One criterion** looking at
 - Project & regional level
 - Sector level
 - Economy level
 - Knowledge sharing

COST EFFICIENCY

- Requested grant (*instead of relevant cost minus contribution by applicant*) per tCO₂ avoided

Payment upon completed work-packages



How to prepare a good proposal

Where to find the call?

The screenshot displays the CINEA Innovation Fund website. The browser address bar shows the URL `ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/innovfund`. A red box highlights the sub-domain `cinea.ec.europa.eu/innovation-fund_en` in the address bar. The main content area features a timeline for the 'Second Large-scale Call' with the following milestones:

- Call launch** 26 October 2021
Call is now open apply at the Funding and Tenders Portal
- Info Day** 10 November 2021
All the information and registration link here.
- Call closing** 3 March 2022

A 'Show 2 more items' button is located below the timeline. On the left sidebar, the 'Innovation Fund (IF)' is highlighted with a red box. The right sidebar includes a 'Sort by: Submission status' dropdown and a 'get overview' button. The bottom right corner features the European Commission logo.

Relevant documents



Call text, incl.
- Annex B
- Annex C



Application form



Model grant agreement

Where to find the relevant documents?

The screenshot displays the 'Conditions and documents' page for the Innovfund-ISC-2021 call. The left sidebar contains a navigation menu with the following items: General information, Topic description, **Conditions and documents** (highlighted with a red box), Submission service, Topic related FAQ, Get support, Call information, and Call updates. Below the menu is a 'Go back to search results' link. The main content area is titled 'ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/innovfund-isc-2021'. It includes a description of the call document sections, a timetable for evaluation and grant agreement, and a list of documents and proposal templates. The documents listed include the Call document, Annex B (Methodology for relevant costs calculation), and Annex C (Methodology for calculation of GHG emission avoidance). The proposal templates include the Application Form. The page also provides tools and guidance to support the calculation of GHG emission avoidance potential, including GHG calculators for Carbon capture and storage (CCS), Renewable electricity and renewable heating, Energy storage, and Energy intensive industries. Additionally, it lists tools to support the calculation of relevant costs, such as the Levelised Cost Model (Energy & Power, Product, Storage) and the Reference Plant Model. Financial models and knowledge sharing templates are also provided.

General information

Topic description

Conditions and documents

Submission service

Topic related FAQ

Get support

Call information

Call updates

Go back to search results

ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/innovfund-isc-2021

Described in sections 7, 8 and 9 of call document.

5. Indicative timetable for evaluation and grant agreement:

Described in section 3.1 of the call document.

6. Documents and proposal templates:

Call document and annexes:

- Call document
- Annex B: Methodology for relevant costs calculation
- Annex C: Methodology for calculation of GHG emission avoidance

Standard proposal template:

- Application Form

Tools and guidance to support the calculation of GHG emission avoidance potential:

- GHG calculator: Carbon capture and storage (CCS) - includes an example calculation
- GHG calculator: Renewable electricity and renewable heating - includes an example calculation
- GHG calculator: Energy storage - includes an example calculation
- GHG calculator: Energy intensive industries
- GHG calculator example: Energy intensive industries - Production of Green Hydrogen
- GHG calculator example: Energy intensive industries - Production of e-fuels
- GHG calculator example: Energy intensive industries - Production of methanol

Tools to support the calculation of relevant costs:

- Levelised Cost Model - Energy & Power
- Levelised Cost Model - Product
- Levelised Cost Model - Storage
- Reference Plant Model
- No Reference Plant Model

Financial model:

- Financial Model Summary Sheet
- Financial Model example

Knowledge sharing:

- Knowledge sharing report template - for information only at submission stage

Reference documents:

- Legal basis Innovation Fund
- Legal basis call for proposals: C(2021)7404 and Annex
- Model Grant Agreement

Help is available

Helpdesk & Support Services

SEARCH FUNDING & TENDERS HOW TO PARTICIPATE PROJECTS & RESULTS WORK AS AN EXPERT **SUPPORT**

Support overview
Guidance & Manuals
FAQ
Helpdesk & Support Services

GRANTS TENDERS

Support by type

GUIDANCE ? HELPDESKS

Popular support topics

EU Login	Online manual	How can I acquire roles and access rights for proposals, projects or organisations?	FAQ ?
How to change the EU Login account details?	FAQ ?	How to update my organisation data?	FAQ ?
What is a LEAR (Legal Entity Appointed Representative) and what are LEAR's rights and tasks?	FAQ ?	Where can I find more user guidance related to proposal submission?	FAQ ?
How to assign PLSIGN?	FAQ ?	SME Self Evaluation	IT how to ?
How do I fill in my bank account as an expert?	FAQ ?	Where can I find the National Contact Points (for Horizon Europe)?	Helpdesks ?

Innovation Fund (INNOVFUND) Helpdesk

Comprehensive application: complete and timely

- Read carefully all the requirements (including the admissibility and eligibility ones), guidance and instructions
- Start well on time preparing your application and do not wait for the last day to submit (you can still modify your application before deadline)
- Specific supporting documents are requested for Innovation Fund grants
- Quality and clarity more important than quantity
- Consult our FAQ, including for updates, and use Helpdesk if unclear

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-learnt-first-call-large-scale-projects_en)

NEXT EVENTS/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**
Q4 2022
- **Expected deadline for submission**
Spring 2023
- **Expected results in Summer 2023**
- **Volume tbc**

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>



European
Commission

THANK YOU