

Innovation Fund - Project Development Assistance



European Investment Bank Juliet Dow-Madu Head of Unit, Innovation Fund

Corporate Finance Advisory, Operations Directorate



Objectives as the EU Climate Bank

- ➢ Invest €1 trillion in climate action and environmental sustainability in the critical decade from 2021 to 2030
- Increase the share of financing dedicated to climate action and environmental sustainability to reach 50% by 2025
- Align all financing activities with the principles and goals of the Paris Agreement



EIB: the EU Climate Bank

One of the world's largest multilateral lenders and borrowers

- We raise our funds on the international capital markets.
- We pass on favourable borrowing conditions to clients

Over **€1.5 trillion** invested since 1958

- More than **14,000 projects** in over **160 countries**.
- Crowding-in bank: €4.9 trillion overall investment supported

Headquartered in Luxembourg

- Around 4,273 staff: In addition to finance professionals, we have engineers, economists and socio-environmental experts
- Local offices = 60 around the world



Partner of choice to many cities and regions for over 60 years







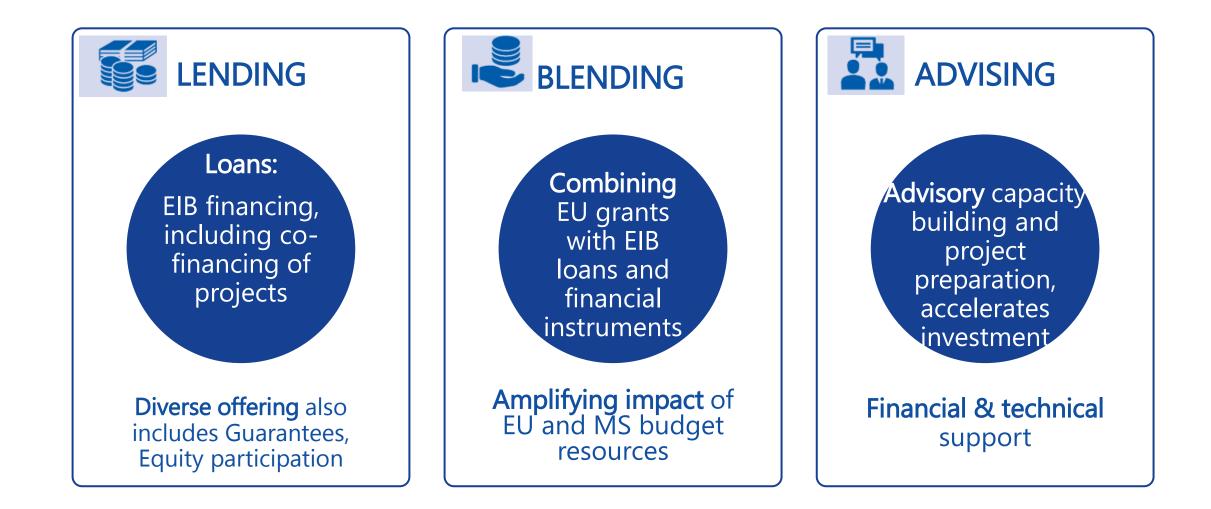
Governed by the EU Member States

Priority areas for the EIB





EIB product and service offering

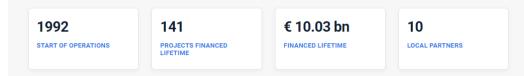




EIB & SLOVAKIA

At a glance

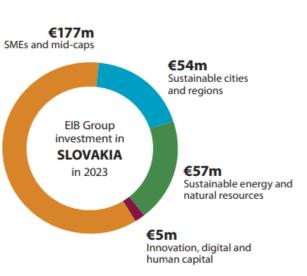
The EIB provides finance and expertise for sound and sustainable investment projects in Slovakia.





- EIB signed €254 million in new lending and EIF guarantee commitments reached €39 million.
- In total, some 706 small businesses benefited from EIB Group operations supporting over 23 000 jobs in Slovakia in 2023.
- Approximately 85% of the total financing targeted less developed regions, underlining the EU bank's commitment to economic and social cohesion.

EIB Group activity in SLOVAKIA in 2023

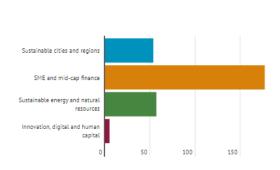


EIB financing Projects signed by the European Investment Bank amounted to €254 million

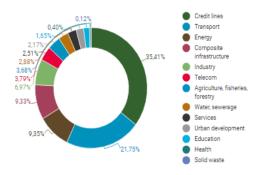
European Investment Fund The financing provided over the past five years amounted to €401 million

Last year's EIB Group activity in Slovakia by priority

(In € million, last updated at previous year end)



EIB activity in Slovakia by sector since start of operations



Get EIB support in Slovakia

We improve the lives of citizens in the EU and beyond. We support small businesses, while enhancing climate action and innovation. We also focus on energy transition and urban sustainability. We create prosperity for all EU regions, so that they reach their full potential.

Small projects	Large projects	Advisory services
For smaller projects (generally less than €25m)	For large projects (exceeding €25m)	Get various types of advisory and technical assistance
Contact our local partners \rightarrow	Contact our local office \rightarrow	Contact our experts \rightarrow



European Investment Bank

EIB ADVISORY SERVICES

- Trusted and independent support at every stage of the project lifecycle



From building an enabling environment...

Upstream facilitation

- Policy programme development and support
- Market studies
- Preliminary project eligibility assessment



...through project planning and preparation...

Preparation

- Technical advice
- Financial advice, including structuring and business plan development
- Engagement with external consultants with specialist expertise



...to high quality projects on the ground

Implementation

- Advice on project implementation
- Enhanced monitoring

How it works:

- Technical and financial expertise developed over more than a decade in a broad range of sectors and policies
- Delivered by EIB experts and a network of local partners and consultants
- Free of charge (subject to certain conditions depending on the mandate applicable)

561

new advisory assignments in 2023 €33bn

financing supported

€118bn

of investments mobilised through EIB-supported projects



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WHAT IS PDA?

The Innovation Fund includes a dedicated **Project Development Assistance (PDA)** to improve the "maturity" of projects for subsequent applications

"Maturity" refers to selection criterion C in Art. 11 of the Delegated Regulation of the Innovation Fund: "Project maturity in terms of planning, business model, financial and legal structure as well as project of reaching the financial close within a predefined period of time not exceeding four years after the award decision"

Art. 13 of the Delegated Regulation states that the following activities may be funded by way of PDA:

(a) improvement and development of a project documentation, or of components of the project design with a view to ensuring the sufficient maturity of the project

(b) assessment of the feasibility of the project, including technical and economic studies

(c) advice on the financial and legal structure of the project

(d) capacity building of the project proponent



EIB is mandated by the European Commission to implement the PDA

EIB Experts deliver financial and technical advisory support to PDA Beneficiaries PDA should particularly benefit small-scale projects and projects in lower-income Member States to help ensure a geographically balanced distribution of the Innovation Fund support

PDA is accessible to both large and small-scale projects and can enhance their chances of reaching financial close and commencing operation



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Bespoke services to meet a wide range of needs

Independent reviews	Financial modelling	
Technology assessment: verification of key technical parameters of the project CAPEX & OPEX review Market analysis review Pilot project review and scale-up risk assessment	 Review of the existing financial model Development of a bank-standard financial model 	Business Plan Market Corporate Strategy
	Other Financial Advisory	Research Strategy Str
Additional studies	Business Plan assessment	Financial Project Capex &
Business case modelling	Corporate strategy guidance	Modelling Planning Reviews
Market research	Advice on fundraising strategy	
Life Cycle Assessment (LCA)	Support with equity pitch documentation	Org. & Legal Structuring Governance Acco

Benefits of Advisory support

- It guides project promoters to suitable EIB Group products or EU blended finance facilities
- ✓ Enhances project bankability

- Maximises prospects of EIB financing and/or third-party investment
- ✓ Connects promoters with market players
- ✓ Accelerates the possibility of **financial close**

EXAMPLES OF PROJECT ADVISORY SUPPORT

Competitive assessment

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Market demand

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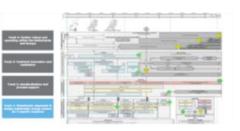
Risk evaluation



SWOT analysis

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Project planning



Organisation & legal structure



Financial projections

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Financial modelling, sensitivity scenarios, investors package



Driving clean innovative technologies towards the market

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Criteria for projects to be considered for PDA support Following an application to an IF Call for Proposal, those that are not selected for funding and proposals that fail to reach the threshold for any of the project maturity sub-criteria will be proposed for PDA if they:

- ✓ Give their **consent** in the application form
- ✓ respect at least the minimum requirements for 'GHG emission avoidance' and reach the minimum thresholds for 'Degree of innovation' and 'Replicability' (if applicable in accordance with the evaluation in cascade).

The purpose of PDA is to increase the project's maturity based on specific recommendations with **limited time and budget**

Projects that receive PDA support **can reapply to subsequent IF calls**

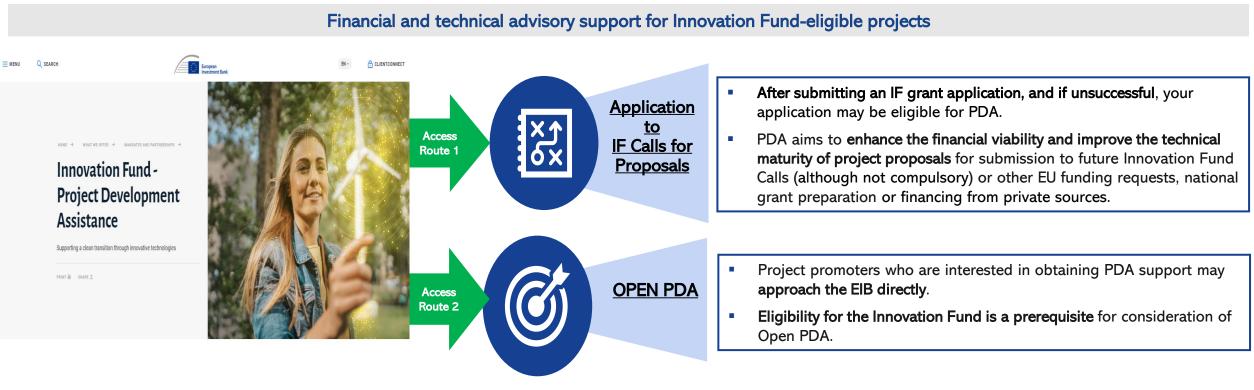
Overall responsibility for the success of a project remains with the Promoter



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Innovation Fund PDA



Innovation Fund - Project Development Assistance (eib.org)

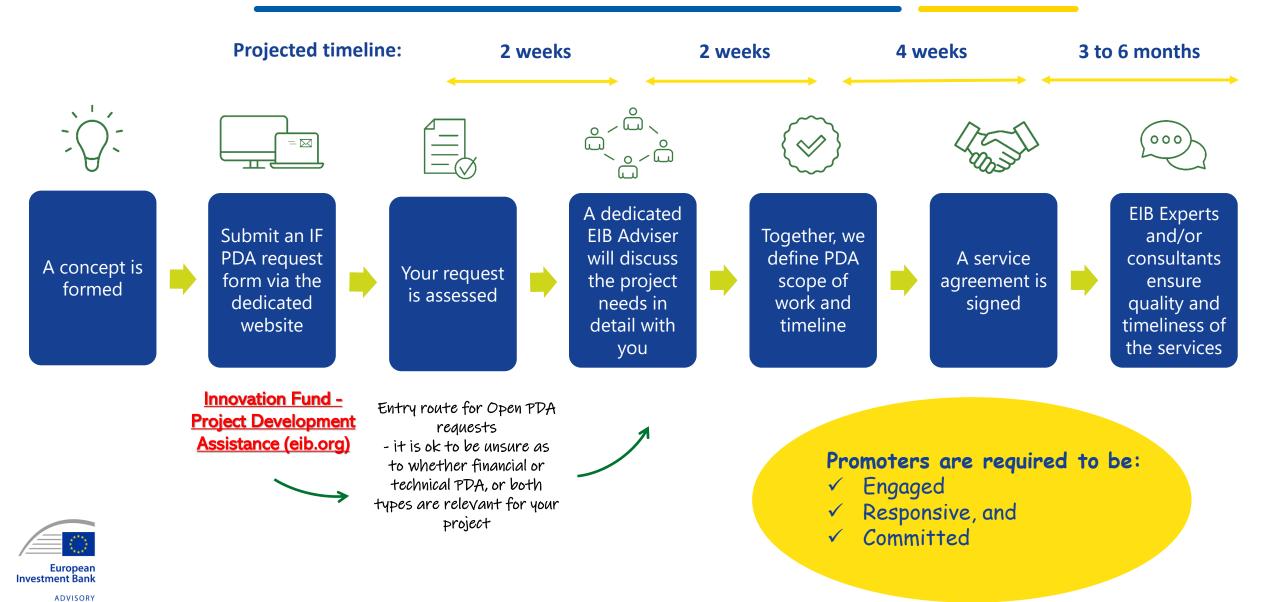
- ✓ Applying or benefitting from PDA is **not dependent** on submitting an application to the Innovation Fund.
- ✓ Under this more flexible PDA process, new sectoral and geographic targets are in place, and a larger number of projects will be supported.

For Open PDA queries & requests, contact us at: innovationfund@eib.org





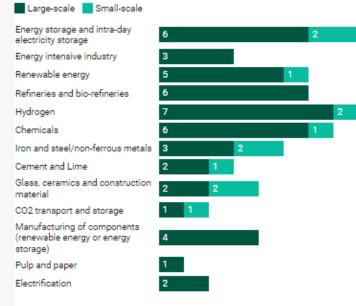
Steps to obtain Open PDA support



Overview of projects awarded PDA

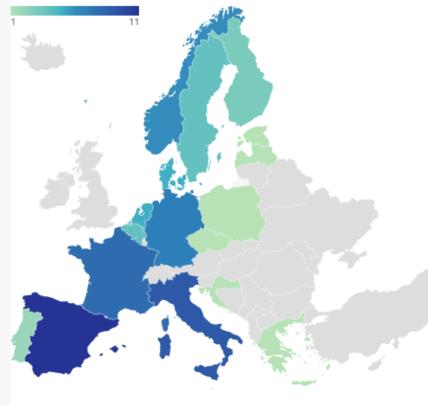
By the numbers

Number of projects that received project development assistance



Created with Datawrapper

Our project development assistance across the European Union



Created with Datawrapper

69

projects awarded PDA since 2021



European Investment Bank



Triple

Source: Tripl

Triple Win (TripleW) Chemicals

Project Description

Polylactic acid (PLA) is one of the most promising biodegradable materials to replace fossil-based plastics such as polyethylene. However, the state-of-the-art for production of PLA and its precursor lactic acid is not yet environmentally friendly.

TripleW has developed and validated a proprietary technology to produce lactic acid from food waste by fermentation and biochemical purification. It does not require food crop inputs, has fewer by-products and lower production emissions, and allows for the recycling of PLA for a fully circular process.

The project would build a first-of-a-kind facility for the production of raw lactic acid from organic waste and by-products. The facility will be located in the Port of Antwerp (NextGen District).

Re-application to IF grant

Successfully selected for IF

scheme, Q2 2024

grant preparation

PDA support:

- Financial modelling
- Capital structuring
- Business Plan review
- High-level comments on the technical and operational maturity sections of the IF application, and relevant supporting documents.





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CCSPrinosGR *Carbon capture and storage*



Project Description

The project is the construction of an offshore third-party open-access carbon storage site located in the Kavala Gulf area of the Northern Aegean Sea, Greece. The main objective is to collect CO₂ emissions from various industrial activities, including those that are hard to abate such as cement and refining, from different regions including Greece, South Italy, West Balkans, and Bulgaria.

 CO_2 will be stored permanently in geological formations located underneath the seabed. CO_2 from the local area will be received in compressed form whilst that from remote areas will be in liquid form through sea transport. The project has the potential to store up to 100 million tonnes of CO_2 .

PDA support:

Innovation Fund PDA

- ✓ Financial modelling
- ✓ Capital structuring
- Review of Greek permitting, regulations and environmental licensing
- Technical review of project scope and feasibility

Outcome

Awarded by the European Commission **Project of Common Interest** status



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Battolyser Factory *Green Hydrogen and Energy Storage*

Battolyser[®] technology provides a fully flexible, efficient and scalable integrated battery and electrolyser solution. As an electrolyser, it produces affordable green hydrogen when power prices are beneficial. As a battery, it provides clean back-up power and offers trading opportunities when grid-connected. Combined, it helps to integrate renewable energy sources such as solar and wind into the net-zero energy system of the future.

The project aims to build a 2 GW/year electrolyser manufacturing plant in the hydrogen hub of the port of Rotterdam.

PDA support:

- ✓ Financial modelling
- Review of financial documents
- Independent Technology Review of the Battolyser Solution
- Cost reduction plan review
- Technical and operational maturity review

Outcome

- Re-application to IF grant scheme, Q2 2024
- Successfully selected for IF grant preparation



Investment Bank

Driving clean innovative technologies towards the mark

Battolyser Systems

Source: Battolyser Systems



Custard

Iron and Steel

Project Description

The CUSTARD project is an innovative initiative that uses carbon dioxide captured from the flue gases of the steel plant, Acciaierie Bertoli Safau SpA, to manufacture sodium bicarbonate. The process involves capturing CO_2 and employing waste heat generated by the steel plant to produce sodium bicarbonate, resulting in a lower carbon footprint compared to traditional methods.

The integrated system comprises of flue gas conditioning followed by a reaction step that captures CO_2 from the flue gas of a reheating furnace. A further reaction step with caustic soda is used to produce sodium bicarbonate. The technology is scalable and can be extended to other challenging-to-decarbonise sectors.

PDA support:

Market Analysis

Review of the baking soda market, pricing and revenue

Outcome

- Re-application to IF grant scheme
- Successfully selected for IF grant preparation







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THANK YOU

