



Renewable Energy – EIB financing and advisory solutions

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About the European Investment Bank

General facts



- World's largest multilateral lender and the biggest provider of climate finance
- 90% of lending is within the EU
- Governed by EU Member States

€ **63.3** billion

Financing in 2019

Our investment priorities



INNOVATION
€ **14.4** billion



ENVIRONMENT
€ **16.5** billion



INFRASTRUCTURE
€ **15.7** billion



SMEs
€ **25.5** billion

EU Climate Bank objectives

- €1 trillion of investments 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 by the end of 2020

How EIB provides support

LENDING

- Loans
- Guarantees
- Equity participations

BLENDING

- Combining EIB loans and EU grants
- Leveraging EU and Member States budget resources

ADVISING

- Strong in-house expertise
- Technical and financial advice
- Technical assistance initiatives

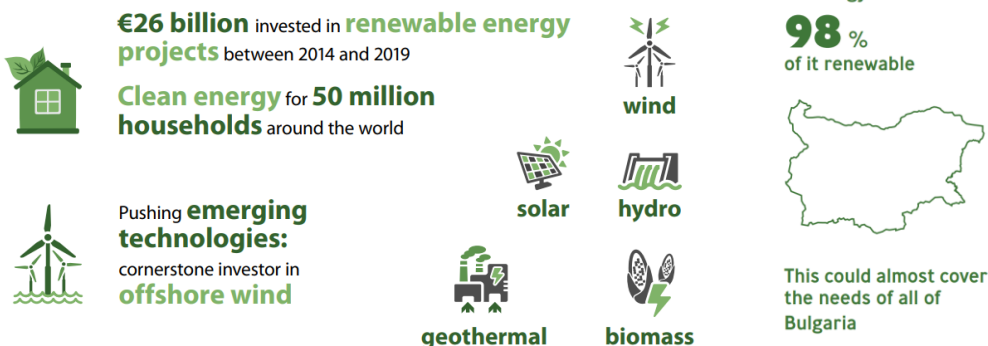
The EIB is **NOT** lending taxpayers' money

EIB in Renewable Energy

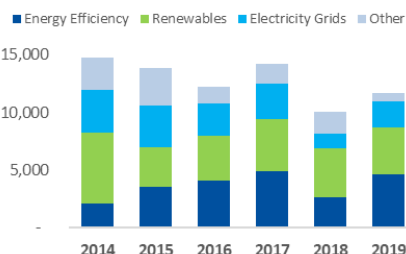
LENDING

THE EUROPEAN INVESTMENT BANK:

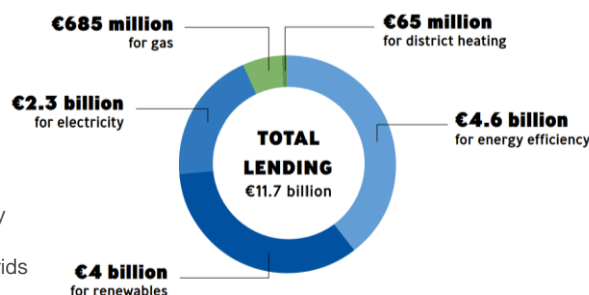
a leader in renewable energy



EIB lending to RE and the solar sector (EURm)

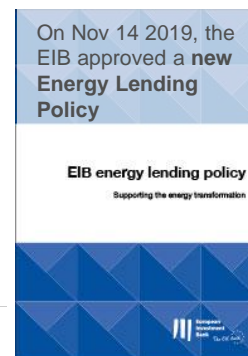


LENDING: In 2019, the Bank provided **EUR 11.7 billion** for energy-related projects – of which **EUR 4 billion** for renewables



EIB provides support the Renewable Energy sector through a variety of products

- Corporate loans / Framework loans:** Corporate loans to project promoters to finance specific RE project or RE pipeline on balance sheet
- Intermediated financing and risk sharing:** Corporate loans to commercial banks to re-finance / de-risk their portfolios of potentially smaller projects
- Project finance:** Senior debt for large-scale non-recourse project finance transactions
- Programme loans:** Financial envelope covering a number of smaller sized transactions (streamlined procedures internally)
- Equity/quasi-equity products:** Targeted products to support projects with a high level of flexibility (e.g. support of smaller project portfolios under development)
- EU Risk guarantee schemes (EFSI, InnovFin EDP, Invest EU):** EU guarantees to support a variety of projects with relatively high risk (e.g. SME, market risk exposure)



- ELP in a nutshell**
- Driven by Paris Agreement and Clean Energy for All Package
 - Focus on areas where EIB can provide added value
 - Phasing-out fossil fuels
 - Focusing on energy efficiency and decarbonisation
 - Engagement with Member States and clients
- increased ambition in climate action & environmental sustainability

<https://www.eib.org/en/publications/eib-energy-lending-policy>

Supporting higher risk RE projects and new technologies: Energy Demo Project

BLENDING

The Energy Demo Project (“EDP”) Facility aims to:

- target innovative projects that are usually too risky to be supported by conventional financial instruments
- bridge the financing gap between demonstration and commercialization
- support the further rollout of innovative low-carbon energy technologies to the market

Energy Storage
EUR 52.5m

northvolt

Solar Energy
EUR 30m

OXFORD PV

Floating Wind
EUR 60m

WindFloat

Wave Energy
EUR 10m

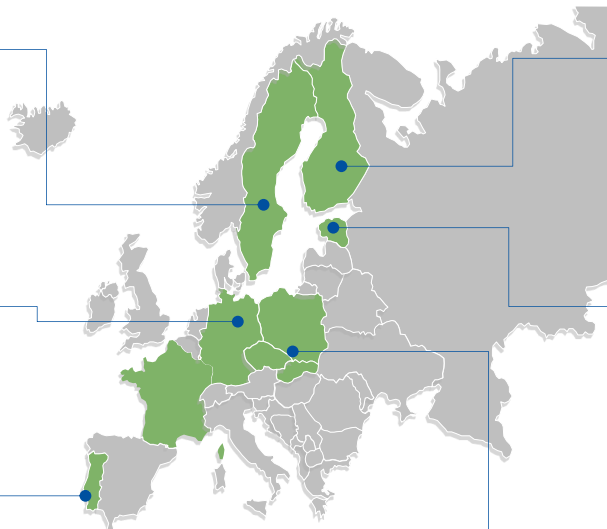
WAVEROLLER[®]
by AW-Energy

Fuel Cell
EUR 12m

elcogen

Smart Energy
EUR 17m

greenway



Research



Demonstration
(small scale)



Demonstration
(commercial scale)

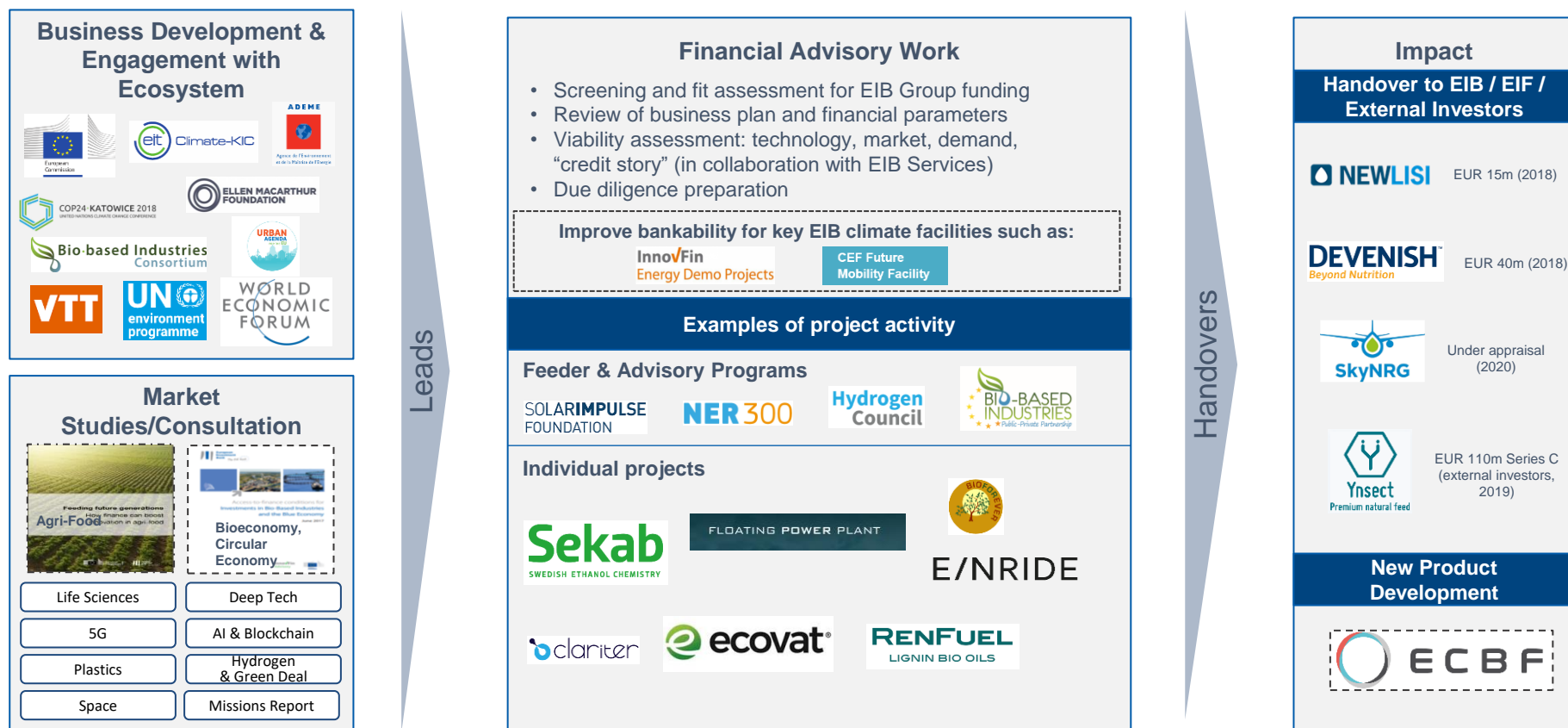
InnovFin
Energy Demo Projects



Commercialisation

Innovation Finance Advisory Climate activities

Innovation Finance Advisory is active in a range of climate-related projects and issues



In practice, how advisory provides support – example of Hydrogen

ADVISING

EIB Advisory Services



Enablers: Business development and eco-system engagement

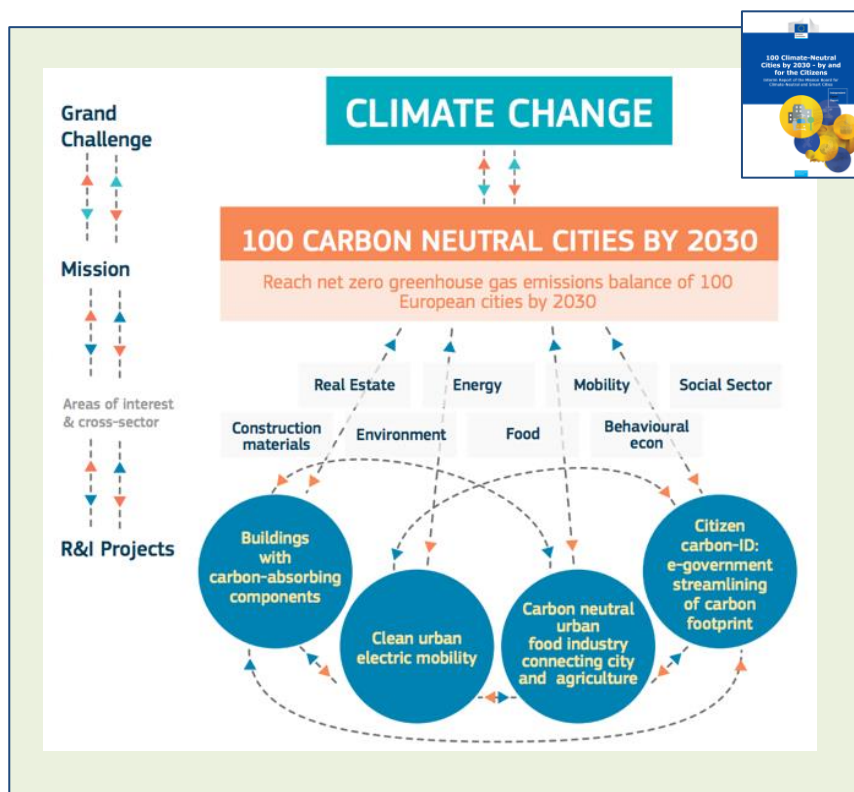
- Presentations at relevant events and new contacts established with key H2 associations



Next MFF: Cities and Horizon Europe Missions

Importance of mobilising market funding for missions

From Mission strategy and objectives...



...to Investment Agendas delivering outcomes

- Investment agendas to be developed for Missions to identify **investment priorities** and ways for resources to be mobilised
- Investment agenda could combine resources from Horizon Europe, InvestEU as well as “market” sources of funding including EIB

Key sources of investment for Missions



INVESTEU

Market financing
(including other DFI)

**Importance of mobilising market
resources beyond Horizon Europe and
Invest EU**

Potential EIB Support to Horizon Europe's Missions

Building on current pilot initiative on Green Deal Investment Agenda

TODAY: Pilot programme to support definition of Green Deal investment agenda

**InnovFin
Advisory**

1 Mapping and consulting hydrogen investor landscape

Industrial players

Infrastructure
funds

DFI

Corporate and
investment banks

VC / CVC

Impact investors

2 Understanding market investment priorities across hydrogen value chain

Investment area	Hydrogen value chain segments					
	Production	Transport & storage	Applications			
			Feedstock	Mobility	Industry	Power & heating
REDI	New electrolysis methods ways of producing hydrogen New RE technologies	New ways of producing or storing hydrogen (e.g., LOHC)	Oil refining, ammonia, or other current uses largely mature	New FCEV or HRS technology	New industrial usage & e- steel direct reduction	Power & heating development
Demonstration	Demonstration for emerging technologies where appropriate					
Deployment	Large-scale electrolyzers (alkaline, PEM, etc.) Underpinning RE infrastructure	Deployment of new storage solutions Re-use of existing gas infrastructure over time	Integration of green H2 in existing uses	Deployment of Beck and transporting infrastructure	Deployment of established technologies	Deployment of established technologies

3 Formulating recommendations for investment agenda definition for hydrogen

TOMORROW: build on lessons learned to support the investment agenda definition for "climate-neutral and smart cities" Mission area

Climate-neutral & smart cities

Horizon Europe Missions
DELIVERING SOLUTIONS TO SOME
OF OUR GREATEST GLOBAL CHALLENGES

#EUMissions #HorizonEU

#MissionCities



Concluding Remarks



EIB as the EU Climate Bank has set itself very ambitious Climate objectives



EIB is supporting RE with both traditional lending, higher risk blending and advisory solutions



Advisory Services play a key role in preparing projects for relevant financing solutions, and engaging with RE eco-systems to understand the bottlenecks and opportunities and unlock new financing possibilities

Contacts

THANK YOU!

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