



# European Investment Bank

*The EU bank*

## Activities to Support Technological Innovation in Road Transportation

Juan Magaña-Campos – Acting Head of Division, IDFA, Operations Directorate

Stephane Petti – Senior Transport Specialist, Projects Directorate

# About the European Investment Bank (EIB)

## 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

€ **94.9** billion

EIB Group Financing in 2021

## Our investment priorities



**INNOVATION**  
€ **20.7** billion



**ENVIRONMENT**  
€ **15.4** billion



**INFRASTRUCTURE**  
€ **13.8** billion



**SMEs**  
€ **45.0** 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 Supports the Transport Sector

## Transport is the largest sector of EIB activity

- Transport is the **largest sector** of EIB activity with **over €325 billion** in signed contracts up to the end of 2019;
- Approx. **23% of all EIB Group lending**
- EIB is playing a major role in the **decarbonisation** of transport in Europe: lending to **sustainable transport** sectors has been steadily increasing and now constitutes the **majority** of our yearly transport lending.

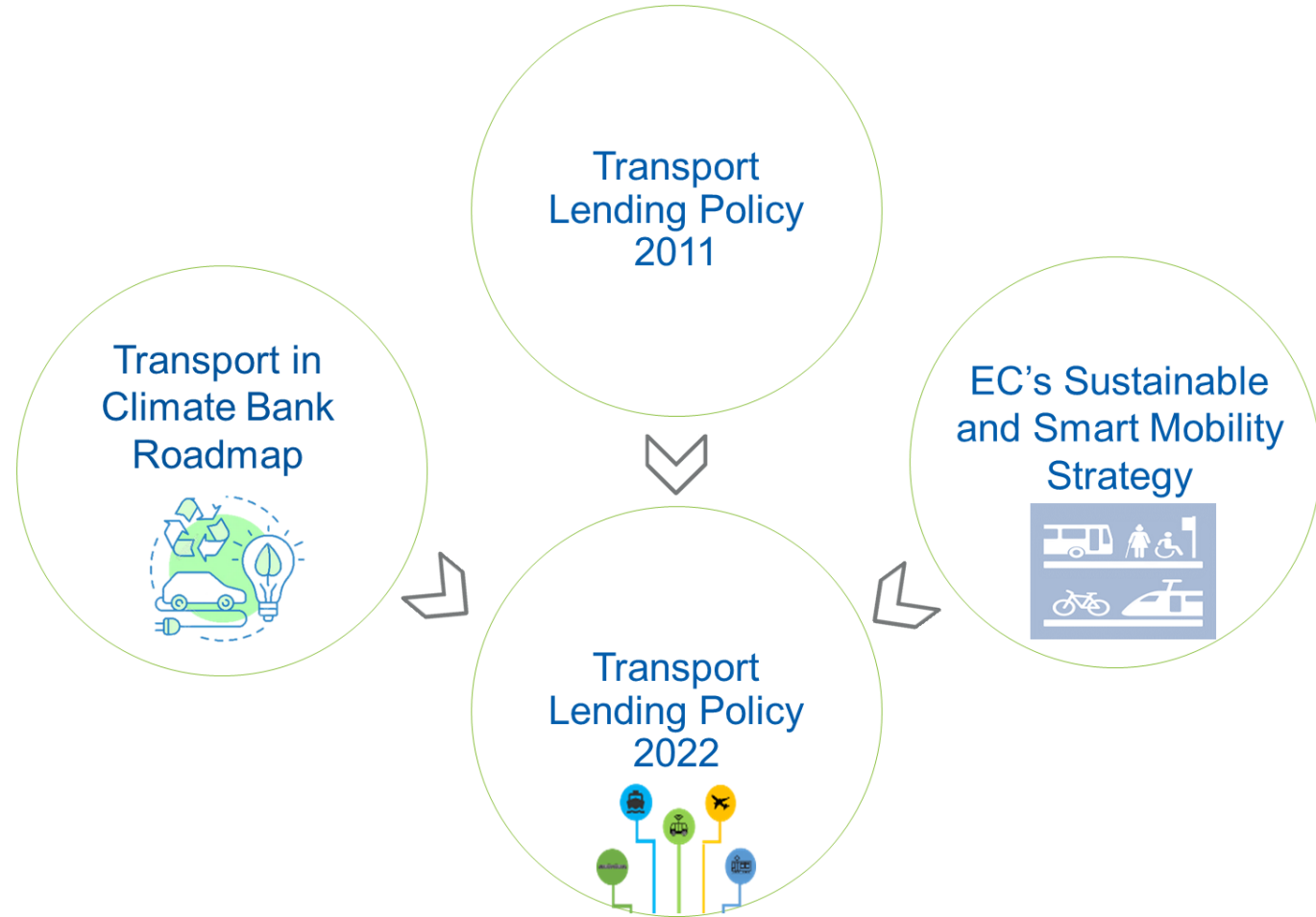


**Financial support, technical assistance and advisory services** provided to transport projects that are climate-friendly, sustainable, innovative and safe.

# EIB Transport Lending Policy 2022

---

## Policy Context



# Targets and Pillars

*The revised Transport Lending Policy identifies priorities for EIB support in line with the limits set by the Climate Bank Roadmap.*

## Target sectors:

- Collective transport
- Shared and active transport, especially in cities
- Zero-emission transport vehicles
- Alternative fuel infrastructure
- Intelligent transport systems
- Intermodal and multimodal transport
- Safe System approach to road safety
- Resilience of transport infrastructure, including the rehabilitation and upgrade of existing assets
- Completion of networks in all transport sectors<sup>(1)</sup>

## Fundamental and interdependent pillars:



**SAFE AND SECURE** — A safe system that prevents unnecessary loss of life and protects users from attack, discrimination or harassment.



**ACCESSIBLE** — An affordable and accessible network available to all who can benefit from the opportunities it provides.



**GREEN AND RESILIENT** — A clean, carbon-neutral and resilient system that does no significant harm to the environment.



**EFFICIENT** — A smart and efficient system that achieves its benefits by using technology to minimise the use of resources and to prevent congestion.

<sup>(1)</sup> focus on TransEuropean Transport Network (TEN-T), cross-border connections and countries with significant investment or development needs

# Alternative Fuels Infrastructure Facility (AFIF)

## Grant Management Service Agreement

- EC = Grantor, manager and decision maker regarding eligibilities, priorities, evaluation, approval and monitoring).
- EIB = Implementing Partner

**Grant applications are the sole responsibility of the Applicant.**

EIB approval is a prerequisite to apply for the grant.

Should the grant application be successful, **signature of the EIB finance contract is a prerequisite to signing the Grant Agreement between the EC and the Beneficiary.**

## Eligible Activities

### AFIF – UNIT COSTS

- Publicly accessible **recharging stations** dedicated to:
  - LDV, **150 kW** min power output
  - HDV, **350 kW** min power output.
- **Grid connection** with a min power capacity of 600kVA.

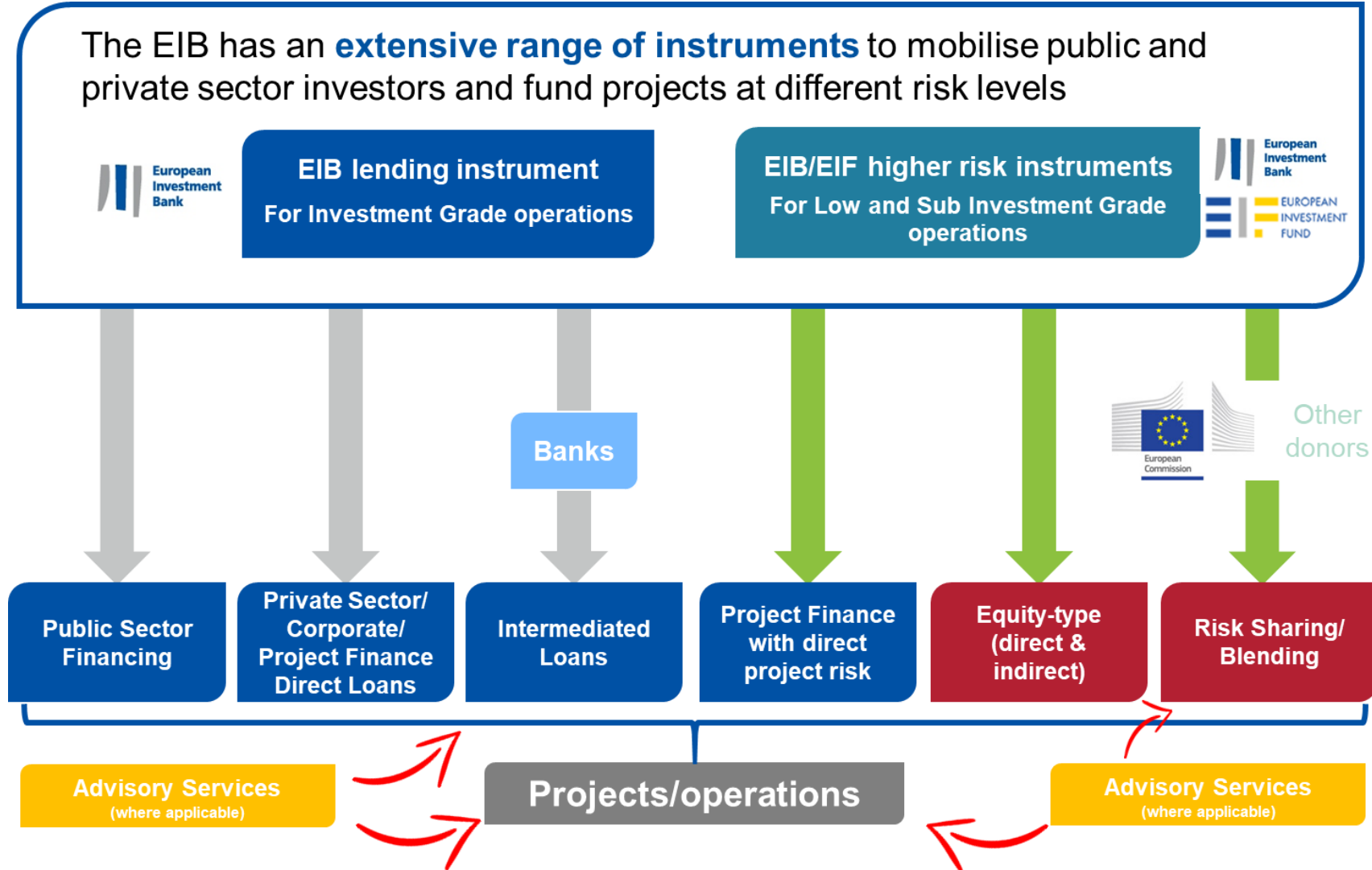
### AFIF – ZERO EMISSION %

- **Electricity** recharging stations supplying public transport in TEN-T Urban Nodes; IWW & maritime vessels; port vehicles & equipment; airport ground operations
- **Hydrogen** Refuelling Stations (HRS) for LDV and/ or long haul HDV; for public transport; IWW & maritime vessels; port vehicles & equipment; railways

### AFIF – LOW EMISSION %

- **LNG** refuelling stations supplying inland waterway and maritime vessels

# How EIB Group Supports Eligible Projects



# Innovation & Digital Finance Advisory (IDFA)





# INSTAFREIGHT

*Advancement of a digital approach to green logistics*

- ▶ Digital freight forwarder that connects large shippers with small independent carriers using software technology.
- ▶ By digitalising the transport process, shippers benefit from efficient processes that save time and money, and a supply chain that is always visible
- ▶ **EUR 25m<sup>(1)</sup> venture debt financing under the EGF Venture Debt facility**
- ▶ **EIB financing supports** the company in growing its European client base, market penetration and advancing its digital approach to supporting green logistics. Social impacts include job creation, contribution to economic growth and competitiveness.

<sup>(1)</sup> Financing round led by Heliad

EUR 25 M



GERMANY



Climate Action

- ▶ Improves the sustainability of transport and goods, according to art.33 of TEN-T regulation



Demonstrate

- ▶ Scale up of the software technology developed by Instafreight



Accelerate

- ▶ Contributes to optimising shippers' capacity utilisation



- ▶ **EUR 30m<sup>(1)</sup> venture debt financing** to support Navya in its R&D, technology development and scaling-up of production.
- ▶ Navya specialises in the supply of autonomous driving systems, electric autonomous vehicles and associated services.
- ▶ This operation is part of the **European Growth Finance Facility** and contributes to the creation of a more efficient, sustainable and safer transport system.



Climate Action

- ▶ Contributes to the development of a more efficient and sustainable transport system



Demonstrate

- ▶ Scale up of Navya software technology for autonomous driving



Accelerate

- ▶ Contributes to accelerating the deployment of autonomous driving technology

<sup>(1)</sup> Total project cost of EUR 81m

# Rotterdam Public Transport

*Investment into a cleaner bus fleet, tram and metro infrastructure*

- ▶ **EUR 115m<sup>(1)</sup> investment loan** to Rotterdamse Elektrische Tram NV, the public transport operator in Rotterdam.
- ▶ RET aims to modernise and upgrade its fleet and infrastructure for bus, tram and metro (tracks, overhead lines, 3rd rail, etc.).
- ▶ RET's investment into its infrastructure include, among others:
  - ▶ acquisition of 105 zero emission buses;
  - ▶ acquisition of 103 hybrid buses; and
  - ▶ purchase and installation of the charging infrastructure for electric buses.

<sup>(1)</sup> Total project cost of EUR 261.7m

EUR 115 <sub>M</sub>



NETHERLANDS



Climate Action

- ▶ Contributes to the development of a more efficient and sustainable public transport system



Demonstrate

- ▶ Scale up of the utilisation of zero emission and hybrid buses



Accelerate

- ▶ Contributes to accelerating the deployment of charging infrastructure

# Programme loan Spain

*Financing the renewal and improvement of public transport fleets and infrastructure*

- ▶ **EUR 200m<sup>(1)</sup> programme loan** to local public transport authorities in order to improve quality of service and provide cleaner fleets.
- ▶ Under the programme loan, the following sub-operations were carried out:
  - ▶ Investment loan to Grupo Ruiz, providing urban and interurban services in 6 cities;
  - ▶ Renewal of Barcelona's bus fleet and associated infrastructure; and
  - ▶ Renewal of Valencia's bus fleet and associated infrastructure.
- ▶ The programme fell under the **Cleaner Transport Facility**, which deployed EIB's technical and financial capacity to boost opportunities to finance cleaner transport.

<sup>(1)</sup> Total project cost of EUR 400m

EUR 200 M



Transports  
Metropolitans  
de Barcelona



SPAIN



Climate Action

- ▶ Contributes to the development of a more efficient and sustainable public transport system



Demonstrate

- ▶ Scale up of the utilisation of zero emission and hybrid buses



Accelerate

- ▶ Contributes to accelerating the renewal of fleets and deployment of related infrastructure

# Contacts

---

DRAFT

## Juan Magaña-Campos



(Acting) Head of Division  
Innovation & Digital Finance Advisory  
Advisory Services Division

Phone: (+352) 4379 86452  
E-Mail: [j.magana@eib.org](mailto:j.magana@eib.org)

European Investment Bank  
100, boulevard Konrad Adenauer  
L-2950 Luxembourg

## Stephane Petti



Senior Transport Technology Specialist  
Projects Directorate  
Innovative Transport Division

Phone: (+352) 4379 82376  
E-Mail: [s.petti@eib.org](mailto:s.petti@eib.org)

European Investment Bank  
100, boulevard Konrad Adenauer  
L-2950 Luxembourg

