

# IMO-UNEP-Norway Innovation Forum 2022

*Financing new technologies for greener shipping*

Gianpiero Nacci, EBRD: [naccig@ebrd.com](mailto:naccig@ebrd.com)



**European Bank**  
for Reconstruction and Development

# Bottlenecks in financing green shipping

- **Technology:** first mover risks, lack of consolidated standards, capex intensity, compliance requirements.
- **Expertise:** availability of expertise in the financial sector, lack of LT finance, lack of data.
- **Structural:** asset backed financing solutions are challenging and split-incentive risks, lack of LT off-takers.
- **Capacity:** many shippers are relatively small and do not have any ESG rating on which sustainable financing could be based on.
- **Price signals:** limited pricing benefits for green financial instruments.





# Decarbonisation of shipping: a value chain approach

## Fuel production

- Zero-carbon fuels production systems



## Infrastructure

- Feedstock logistics, fuel bunkering and distribution systems



## Low-emission vessels

- Fleet upgrade / renewal



## Logistic Services

- Intelligent transport systems and digitalisation (including intermodality)

Investment > **US\$ 1.5 trillion**

- **Sectoral and value chain decarbonisation roadmaps** to identify timing/entity of investments and align interest of project developers and investors/financiers
- **Corporate planning, decarbonisation strategies and climate risk management**
- **Low-carbon standards and certification**
- **International/national partnerships** (e.g. FINSMART, RLCF Alliance)
- **Focused financial products** (e.g. SLL, SLBs, Transition Bonds)
- **LT offtake agreements** (e.g. CFD)
- **Concessional finance** (e.g. guarantees), particularly to support early movers and pilots
- **Carbon markets**

# FINSMART: a model of partnership

- An international platform set up by IMO in 2020 in collaboration with EBRD and WBG comprising regulators, operators, technology providers and financiers.
- The FIN-SMART Roundtable is a platform for regular dialogue among key maritime stakeholders to address the financial challenges related to the transition of shipping to a more sustainable and resilient future.
- Next phase: moving beyond knowledge sharing and discussion forum and act as an accelerator for pilot projects, R&D developments and application of innovative investment solutions (FINSMART Investment Forum).

