

EU Clean Shipping Initiatives (ESSF, MoS, Horizon Europe)





ESSF Structure

ESSF Plenary

**AIR
EMISSIONS
FROM SHIPS**
(set up in
2017)

**SHIP ENERGY
EFFICIENCY**

**SUSTAINABLE
ALTERNATIVE
POWER FOR
SHIPPING**

**WASTE FROM
SHIPS
(PRF & SSP)**



SUB-GROUP: Ship Energy Efficiency OBJECTIVES

The main objectives for the sub-group will be to provide a stakeholder platform in order to:

Discuss and provide expertise to the Commission on technical aspects related to:

- Design
- Effectiveness
- Efficiency and
- Impacts

of measures improving ship energy efficiency



SUB-GROUP: Sustainable Alternative Power for Shipping

3 workstreams

Long-term pathways for sustainable alternative fuels: draft report was discussed at the third meeting of the sub-group on 17 June 2020. Provides also expert input on the ongoing IMO work related to the development of guidelines for Life-Cycle Analysis of alternative fuels and how to account for GHG emissions in well-to-wake approach.

Assessing and comparing the maturity of various sustainable alternative fuels and technologies: A progress report was presented during the 17 June meeting and follow-up discussion organized in September.

Recommendations and guidance on incentive schemes and regulatory options to facilitate the effective uptake of sustainable alternative fuels: Supports preparation of the FuelEU Maritime initiative, which was announced as part of the 2020 CWP.



Recent activities

Roundtable on FuelEU Maritime on 18 September 2020

FuelEU Maritime – aims to increase the use of sustainable alternative fuels in European shipping and ports by addressing:

- market barriers that hamper their use
- uncertainty about which technical options are market-ready

It is part of a package to bring the sector in line with the EU's ambition of climate-neutrality by 2050.

SUB-GROUP: Waste from ships (PRF and SSP)

OBJECTIVES

Sub-group WASTE from SHIPS

Port Reception Facilities

IMPLEMENTING ACTS

1. Green waste handling on ships (setting criteria)
2. Union based targeting mechanism, for inspection
3. Method for calculation of sufficient storage capacity
4. Monitoring of passively fished waste

Ship Source Pollution

REVISION OF THE SSP DIRECTIVE

- New PRF Directive calls for the Revision of the SSP Directive
- Impact Assessment and future COM proposal for the revision of the SSP Directive
- Complementarity PRF/SSP important to be addressed.
- **PRF**: Obligation to deliver Waste in Ports + **SSP**: Santioning illegal discharge at Sea



Motorways of the Sea

The maritime pillar of the
trans-European transport network



@Transport_EU

Mobility and
Transport

CONNECTING
EUROPE



MoS Detailed Implementation Plan:

Three development pillars
for the creation of a
sustainable, seamless and smart
European Maritime Space



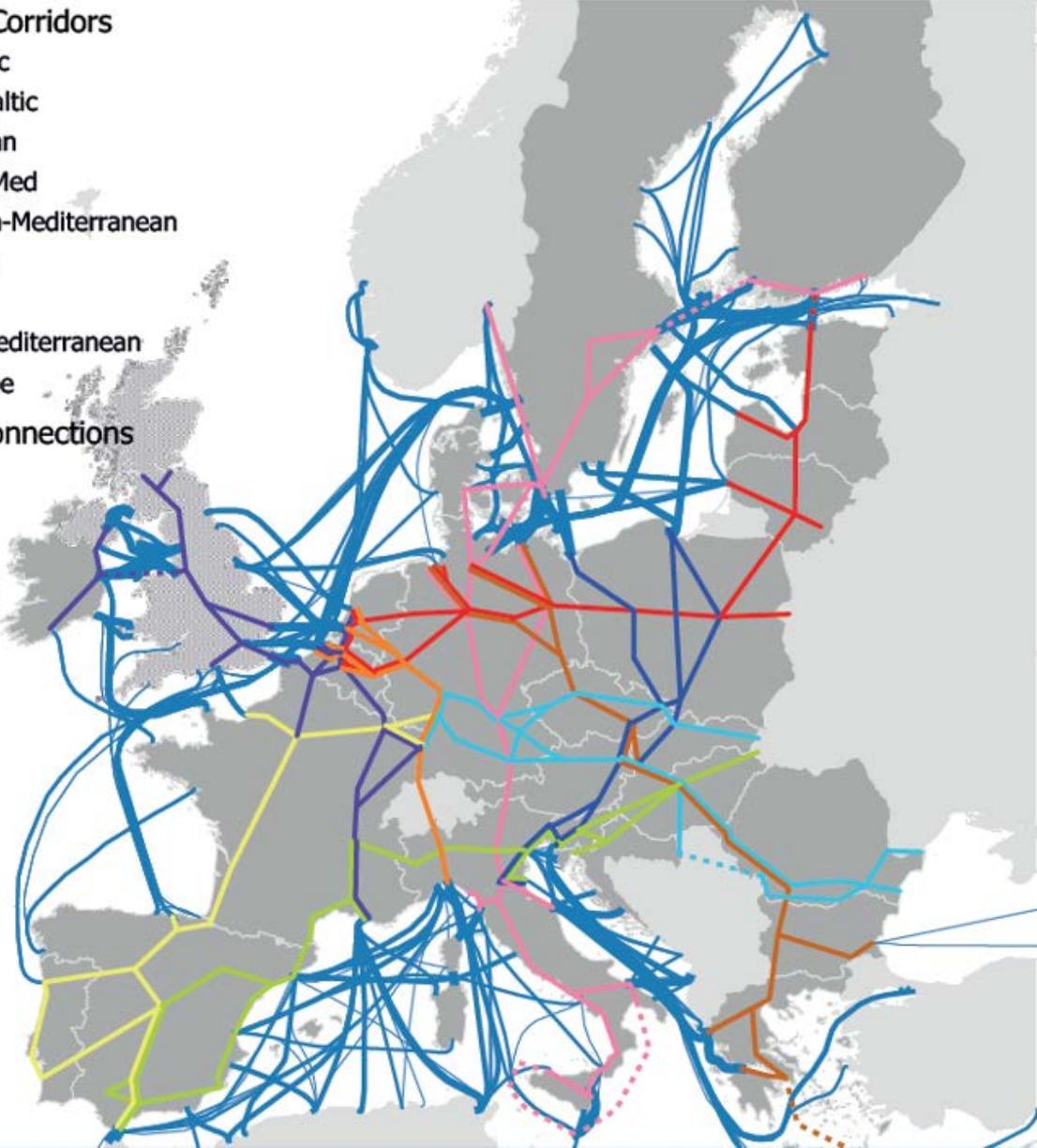
Core Network Corridors

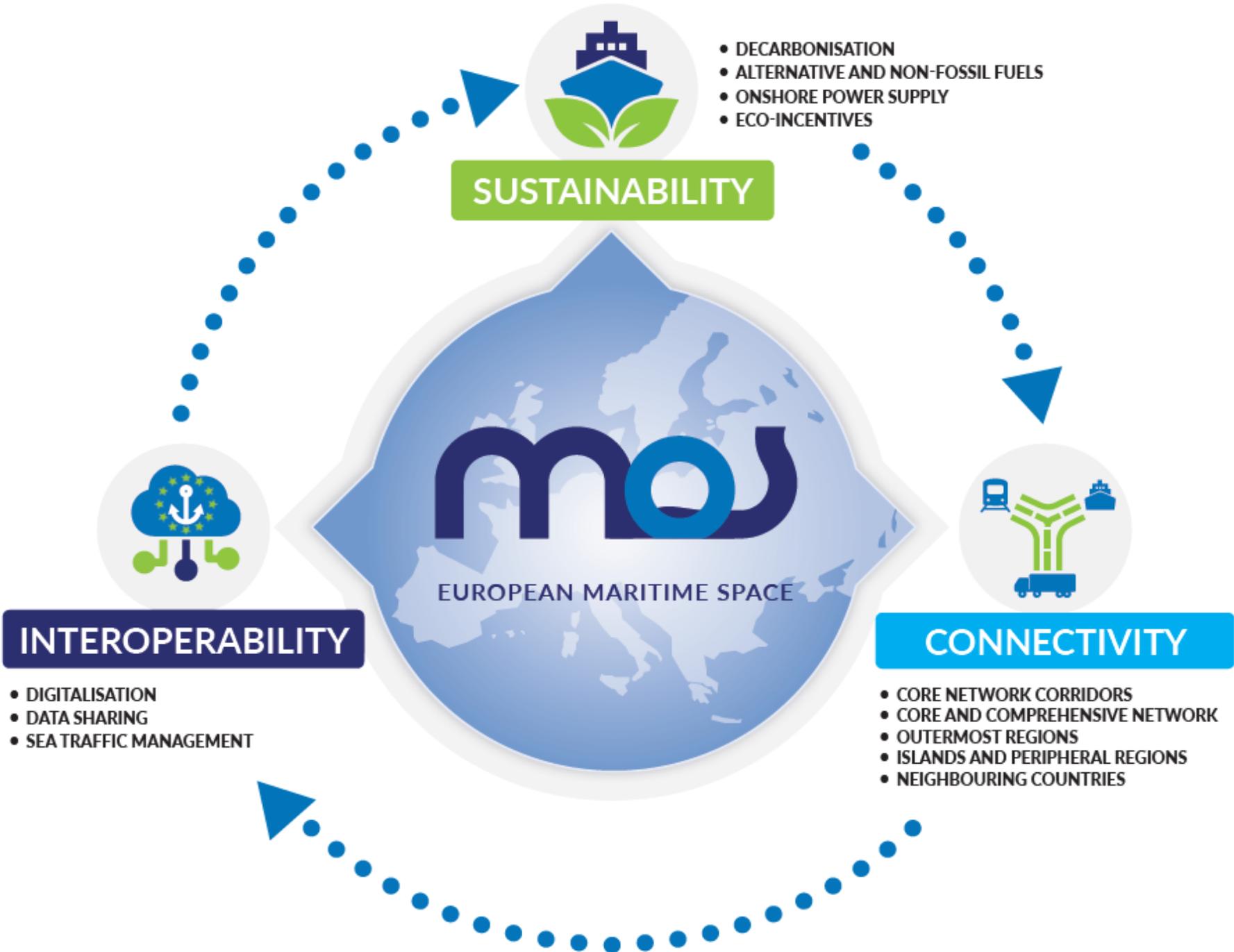
- Baltic-Adriatic
- North Sea-Baltic
- Mediterranean
- Orient-East Med
- Scandinavian-Mediterranean
- Rhine-Alpine
- Atlantic
- North Sea-Mediterranean
- Rhine-Danube

Regular roro connections

- 1 dep/w
- 2-5 dep/w
- 5-14 dep/w
- 14-28 dep/w
- >28 dep/w

- extends and complements the TEN-T network
- connects EU countries, including peripheral regions and neighbourhood regions.







Investment priorities and needs: *Sustainable* European Maritime Space

- Ship propulsion and efficiency: Mid-term priority on non-fossil fuel power and long-distance capability; LNG as interim solution - Synthetic methane or bio-LNG as examples of low power solution
- Alternative fuel shore-side infrastructure and bunkering vessels; Shore-side power supply
- Port energy efficiency from fossil fuel based power sources to renewable energy sources
- Port resilience and climate adaptation measures, especially in exposed regions
- Eco-incentives and innovative financial tools rewarding environmental merits



SUSTAINABILITY



Investment priorities and needs: *Seamless European Maritime Space*

- Removing bottlenecks in the loading operations between seagoing vessels and hinterland modes
- Develop direct hinterland connections, preferably by rail and inland waterways, and multimodal terminals
- Traffic Management and optimisation of the port calls
- Support for the development of maritime links with third countries
- Connectivity and territorial cohesion with peripheral regions, outermost regions and islands
- Ice-breaking as an important element in the Northern Baltic



CONNECTIVITY



Investment priorities and needs: *Smart* European Maritime Space

- Interoperability between various stakeholders and data sharing systems in line with the federated network of platforms approach
- Efficient customs operations and cargo clearance tools in line with the progressive implementation of the EU Customs Code
- National Single Windows and their integration at the EU level (European Maritime Single Window environment)
- Digitalisation of administrative processes and trade facilitation on corridors.
- Digital technologies to streamline maritime logistics operations but also speed up cargo checks, decreases the risk of delays and penalties levied on for customs compliance.
- More reliable information on under-keel clearance and improved hydrographic surveys.
- The further development of Sea Traffic Management ("intended route" and situational awareness)
- Real-time vessel traffic monitoring and surveillance.



INTEROPERABILITY



Research & Innovation

- Horizon Europe, the EU's research and innovation programme for 2020-2027, will support a newly created Waterborne Technology Platform.
- This new partnership will implement a common medium- and long-term vision for research and development and a Strategic Research Agenda, aiming for example at completely eliminating harmful emissions into air and water from shipping by 2050.
- The European Commission recently launched a €1 billion call for research and innovation projects that respond to the climate crisis and help protect Europe's unique ecosystems and biodiversity, the European Green Deal Call.
(https://ec.europa.eu/commission/presscorner/detail/en/ip_20_1669).
- The deadline for submissions is 26 January 2021, with selected projects expected to start in autumn 2021.



European
Commission



Thank you for your attention

European Commission
DG MOVE – D.2