

Marine restoration measures and Green Ports initiative for a sustainable blue growth

Carlo Zaghi, Director, General Directorate for Sea and Coasts
of the Italian Ministry of the Ecological Transition.

The *NATIONAL RECOVERY and RESILIENCE PLAN (NRRP)*

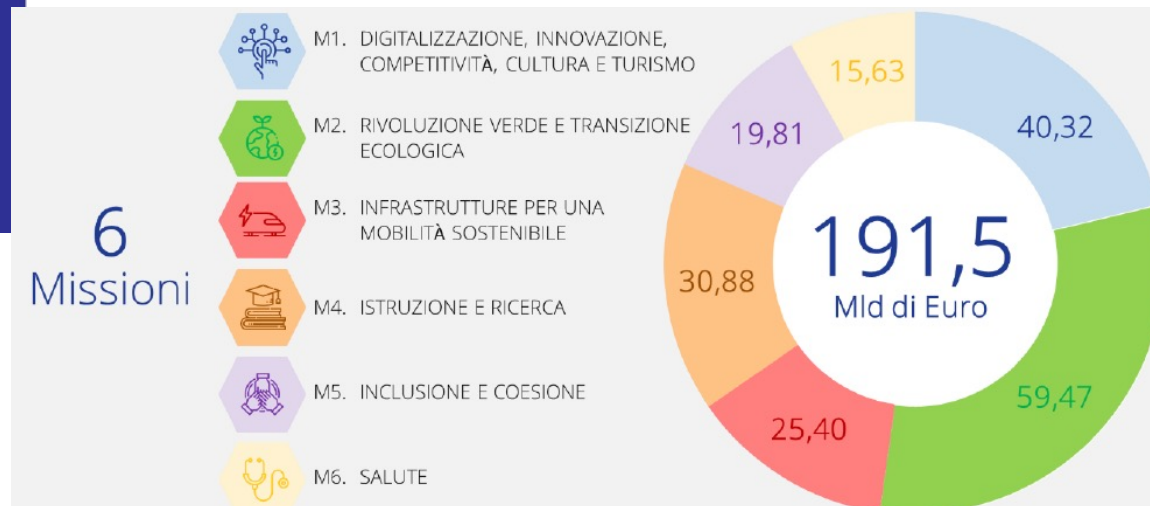


3 Strategic axes

- digitization and innovation
- ecological transition
- social inclusion

6 Missions

- M1.** Digitization, Innovation, Competitiveness, Culture
- M2.** Green Revolution and Ecological Transition
- M3.** Infrastructure for Sustainable Mobility
- M4.** Education and Research
- M5.** Inclusion and Cohesion
- M6.** Health



The *NATIONAL RECOVERY and RESILIENCE PLAN (NRRP)*



M3. Infrastructure for sustainable mobility
General Objective M3C2 - Intermodality and integrated logistics

Reform M3C2. 1 - Development of the port system

INVESTMENT 1.1 - Interventions for the environmental sustainability of ports (*Green Ports*)



M2. Green Revolution and Ecological Transition
General Objective M2C4 – Protection of the Territory and the Water Resources

Reform M2C4.3 Safeguard the quality of the air and the biodiversity of the area through the protection of green areas, soil and marine areas

INVESTMENT 3.5 - Restoration and protection of the seabed and marine habitats (*Marine Ecosystem Restoration*)



Marine Ecosystem Restoration Project

PERIOD

2021 - 2026

TOTAL COST of the INVESTMENT

400 mln €



IMPLEMENTED BY



ISPRA

Istituto Superiore per la Protezione
e la Ricerca Ambientale

OTHER PARTIES INVOLVED

- Local administrations
- Marine Protected Areas
- Research institutes

Marine Ecosystem Restoration Project

NEEDS

- **CBD Post-2020 Biodiversity Framework**
- **EU Biodiversity Strategy for 2030** – Protect **30%** of the EU's seas and **strictly protect** the **10%** of them; implement nature **restoration plans**
- Need to strengthen **national observation systems** for marine ecosystems
- Need to update and extend knowledge about **benthic marine habitats of conservation interest**, essential for **planning and implementing restoration actions**
- **Eu Marine Strategy Framework Directive** – monitoring the **Good Environmental Status**



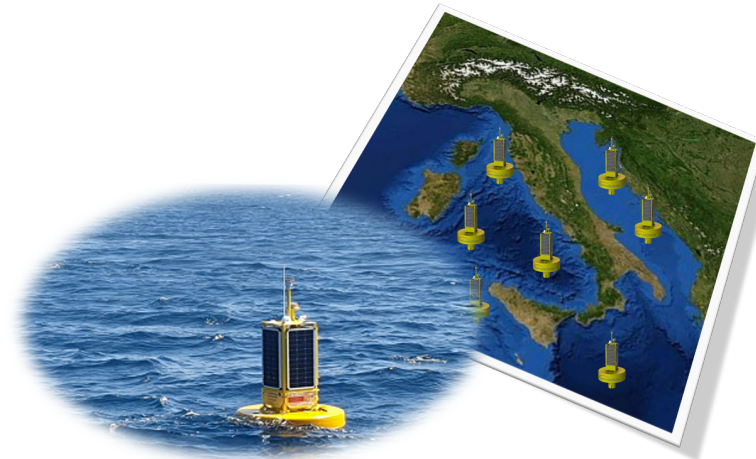
Marine Ecosystem Restoration Project

GOALS

90% of marine habitats of conservation interest mapped and monitored

20% of marine habitats of conservation interest restored / protected

Target 1: Implementation of observation systems of marine and coastal ecosystems through non-stationary observation systems and in situ observation systems, contributing to the completion of the national research fleet, with two new units equipped with the most modern equipment and able to deal with the study of deep environments, and buoy systems



Marine Ecosystem Restoration Project

Target 2: Mapping of coastal and deep-sea marine habitats of conservation interest, as prerequisites for defining effective protection measures

Mapping of:

- *Posidonia oceanica* meadows
- *Cymodocea nodosa* meadows
- Coralligenous
- Deep corals



Marine Ecosystem Restoration Project

Target 3: Ecological restoration of seabed and marine habitats through ecological protection measures, active restoration interventions and implementation of protection measures. Large-scale interventions for the protection of the seabed and marine habitats in Italian waters and for their restoration, to reverse the trend towards degradation of Mediterranean ecosystems by enhancing their resilience to climate change and favoring the maintenance and sustainability of fundamental activities not only for coastal areas, but also for the country's essential production chains (fishing, tourism, food, blue growth)

- **Realization of guidelines for the presentation of projects on ecological restoration**



- **Active ecological restoration**



- **Passive ecological restoration (protection measures)**



- **Assessment of the effectiveness of ecological restoration activities**

- **Evaluation of future prospects respect for the ecological system for the Italian marine environments**



Green Ports Project

PERIOD

2021 - 2025

TOTAL COST of the INVESTMENT

270 mln €

IMPLEMENTED BY



OTHER PARTIES INVOLVED

**9 Port System
Authority (AdSP)**



Green Ports Project

NEEDS

- European New Green Deal
- EU Governance Regulation
- Integrated National Plan for Energy and Climate (PNIEC)



GOALS

Contribute to the reduction of greenhouse gas emissions by **55% by 2030**

20% reduction of total annual CO₂ emissions in the port area concerned



Green Ports Project

TARGETS

make **port activities sustainable** and **compatible with port urban contexts**, through the financing of interventions aimed at **improving the efficiency** and **reducing energy consumption of port facilities and activities**

promotion of the environmental sustainability and the **use of renewable energy** in port areas of port areas

Contribute to the conservation of nature



Green Ports Project

**Port System
Authority
(AdSP)**



**Environmental Energy
Planning Documents of
Port Systems(DEASP)**



**PROJECT
PROPOSALS**

ACTIVITIES

- interventions to reduce energy consumption related to goods handling activities and port buildings
- reduction of energy consumption of lighting systems (replacement of inefficient systems)
- energy efficiency measures for buildings, installations and for the production of energy from renewable sources
- centralized treatment of ships fumes on the quay

Thank you for the attention

MAC-UDG@mite.gov.it