Sustainability
In the Spanish Ports
Strategic Plan

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STRATEGIC FRAMEWORK. SPANISH PORT SYSTEM

**Dimensions**
- ECONOMICAL
- ENVIRONMENTAL
- SOCIAL

**Criteria**
- Efficiency
- Connectivity
- Digitization
- Innovation
- Sustainability
- Security
- Transparency

**Strategic lines**
- Port Authorities economically sustainable
- Advanced Port land management
- Infrastructures oriented to demand, reliable and connected
- Competitive services and efficient operations
- Monitoring and facilitating Port activity
- Effective and simple administrative procedures
- Electronic Port Administration. Smart and syncromodal Ports
- Innovative Ports
- Ports with international projection
- Green Ports
- Eco-proactive Ports
- Ports committed to the city
- Safe Ports
- High quality and advanced AtoN
- Corporate ethics culture
- Extension and improvement of human resources
**ENVIRONMENTAL DIMENSION**

- **GLOBAL ENVIRONMENT**
  - Zero balance emissions
  - Greenhouse gases....

- **NEARBY URBAN ENVIRONMENT**
  - Air quality,
  - Land quality
  - Noise, odor
  - control

- **COASTAL ENVIRONMENT**
  - Water quality
  - Natural network
  - Biodiversity
  - Protected species

- **LOGISTIC NETWORK**
  - External costs reduction
  - concurrent transport modes

- **Port Authority**
  - Strategic environmental assessment
  - Projects environmental assessments
  - Reporting (Marine Strategy...)

- **Infraestructuras development**

- **Exploitation**

- **Environment quality control**
  - Prevention of environ. affections
  - Eco-efficiency
  - Fight against climate change

- **Climate change adaptation Plans**

**Dimensions**

- ECONOMICAL
- ENVIRONMENTAL
- SOCIAL
Strategic line 10: Green Ports

Approach for Advancement

- Circular Economy
- Environmental Due Diligence
- Port Authority
- Collaboration, Impulse, Regulation
- Port Services Providers/Dealerships
- Emissions/Waste Reduction (Soil, Sea, Air, Noise, Odors)
- Efficient Consumption (Water, Energy...)
- Urban Integration Biodiversity
- ECO-Efficiency
- Environmental Quality

Gobierno de España Ministerio de Fomento
Puertos del Estado
Algeciras Port
Green Transition for Maritime Transport
MED ports association
Strategic line 11: Eco-proactive ports

APPROACH FOR ADVANCEMENT

CLIMATE CHANGE MITIGATION
DECARBONIZACION

ENVIRONMENTAL CONTRIBUTION

ENCOURAGE TRANSPORTATION SERVICES THAT REWARD ENVIRONMENTAL MERIT
RAIL, SHORT SEA SHIPPING, ...

ENVIRONMENTAL CONTRIBUTION
PORT SYSTEM

ENVIRONMENTAL CONTRIBUTION
PORT AUTHORITY
PORT SERVICES PROVIDERS
PORT

ENVIRONMENTAL CONTRIBUTION

ADAPTATION TO CLIMATE CHANGE.
ADAPTATION PLANS PORT OBSERVATORY OF THE CLIMATE EMERGENCY
Strategic line 11: Eco-proactive ports

EU REGULATION. GREEN DEAL

PORTS SIDE

DIRECTIVE 2014/94 DEPLOYMENT ON ALTERNATIVE FUELS INFRASTRUCTURES
- Transposition 2016
- National policy frameworks since 2016
- Goals (LNG, electricity…)

MARITIME SIDE

DIRECTIVES 1999/32/EC - 2012/33 REGARDING SULPHUR CONTENT OF MARINE FUELS
SOx limits outside S/ECA:
- As from Jun 2014: 3,5% m/m
- As from Jan 2020: 0,5% m/m

FIT FOR 55 PACKAGE

NEW REGULATION FOR ALTERNATIVE FUELS INFRASTRUCTURES AND REPEALING 2014/94
- On going
- National policy frameworks reviewed
- New goals

FUEL EU MARITIME INITIATIVE
EU EMISSIONS TRADE SYSTEM (ETS) REGULATION FOR MARITIME TRANSPORT
PORT COMPETITIVENESS

LOCATION AND ACCESSIBILITY FACTORS
Production & consumption areas (hinterland & foreland)
Logistic & transport corridors/chains

EXTERNAL FACTORS
- Governance (central, local…)
- Regulation framework
- Transport policies
- Port-city relationship
- Competitors: other ports…
- Type of clients/sectors

INTERNAL FACTORS
- Specific governance
- Capacity of infrastructures/facilities
- Level of performance
- Price: port charges
- Quality perceived: reliability, flexibility, transparency…

COMPETITIVE PORTS

CONTRIBUTION TO...
SMART – SECURE E – PORT
GREEN TRANSITION