Digital Transformation, Innovation, Cooperation:
What are the challenges and opportunities for Mediterranean ports?

Innovation for sustainable development – the IAPH World Ports Sustainability program

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COLLABORATION OF:

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World Ports Sustainability Program

Mission: To integrate the 17 UN SDGs in port governance

www.sustainableworldports.org
WPSP Database of sustainability projects

sustainableworldports.org/portfolio/type/port-projects/
WPSP port projects portfolio (327 projects)

<table>
<thead>
<tr>
<th>AREAS OF INTEREST</th>
<th>NUMBER OF PROJECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community Building</td>
<td>143</td>
</tr>
<tr>
<td>Environmental Care</td>
<td>135</td>
</tr>
<tr>
<td>Climate and Energy</td>
<td>127</td>
</tr>
<tr>
<td>Digitalization</td>
<td>74</td>
</tr>
<tr>
<td>Infrastructure</td>
<td>72</td>
</tr>
<tr>
<td>Health Safety and Security</td>
<td>62</td>
</tr>
</tbody>
</table>

https://bit.ly/PortProjects
Number of projects per SDG

327 PROJECTS
132 PORTS
58 COUNTRIES

sustainableworldports.org/portfolio/
IAPH Sustainability Awards

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# APH2023 SUSTAINABILITY AWARDS

**RUNNER-UP
COMMUNITY BUILDING**

Collaborative project
Youth Employment in Ports of the Mediterranean

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**RUNNER-UP
DIGITALIZATION**

National Ports Agency of Morocco
Smart port innovation approach

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**RUNNER-UP
INFRASTRUCTURE**

Port of Barcelona
Your port opens up again

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**CANDIDATE
COMMUNITY BUILDING**

Port of Taranto
Open Port exhibition center
Birth of Port Endeavor

CUT DOWN ON CARBON & GHG EMISSIONS

The city has developed a vision to achieve carbon neutrality. This implies efforts to reduce carbon dioxide and greenhouse gas (GHG) emissions. The project has been a vital part of this vision.

However, the Nộiv and maritime CO2 emissions from shipping have not been tackled yet. The Port management body is asked to take action and assist in the decarbonization of shipping.

SOLUTIONS

1. Cost: $ A
   - The partnership between cities and regions is crucial to reduce marine emissions. Implement the Environmental Ship Index (ESI).

2. Cost: $ B
   - You work together with shipping companies and associations. Implement closed cell to eliminate emissions, applying the Gas Confinement System (GCS).

3. Cost: $ C
   - The partnership between shipping companies and associations is crucial to reduce marine emissions. Implement the Gas Confinement System (GCS).

4. Cost: $ D
   - The involvement of shipping companies and associations is crucial. Implement the Gas Confinement System (GCS).
Port Endeavor: a port journey to SDGs

- Knowledge base concept was created at a joint UNCTAD-IAPH workshop in Geneva HQ in April 2019
- Development game dynamics and content by IAPH and experts from Port of Antwerp-Bruges
- Real life examples from the WPSP database of 327 projects and best practices from 132 ports from 58 countries
- Offered in partnership with: APEC – Antwerp & Flanders Port Training Centre and UNCTAD TrainForTrade
- Available in English, Spanish and French
- Over a thousand port professionals have already played the game in three languages in 20 countries
The mindset shift towards innovation:
A set of guidelines to start the revolution for ports

PREFACE

The role of the IAPH Innovation Group

Innovation is not just about technology.

IAPH Innovation Group:
A first step in a series of actions to support innovation in ports.

The IAPH Innovation Journey

Executive SUMMARY in 10 points

The innovation function should collaborate throughout all levels of the organization.
Thank you for your attention.

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