

EUROPEAN ENVIRONMENTAL PORTS CONFERENCE 2023

Valencia – Spain
31st May – 1st June 2023



Key Topics

- Technological Developments and Innovations in the Port Industry
- Evaluating Ports and The Energy Crisis
- The Use of Green Shipping Corridors
- Adapting Ports to a Changing Climate
- Discussing Pollution from Ports
- Update on Policies and Regulations
- Overcoming Ecological Port Challenges
- Moving Towards Better Relationships in Ports
- Improving Ports' Workforce Education
- Reaching the 2030 IMO Goals
- The Future of Ports

RIGHTSHIP



Kawasaki
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 **OceanScore**

European Environmental Ports Conference 2023

31st May &
1st June
2023

The 5th edition of The European Environmental Ports Conference will bring together experts and key stakeholders in the European Ports industry, in order to discuss the most recent changes, challenges and developments. This event will encourage discussions around the latest policy changes, the energy crisis, green shipping corridors, pollution, climate change and port relationships. It also provides a platform to meet experts from other industries such as pollution monitoring and reduction, dredging, and water and waste treatment.

It also provides platform to meet experts form other industries to discuss the latest strategies on methods to overcome current challenges and maximise the opportunities.



Who Will Attend?

- Ports and Port Authorities
- Consultants
- Heads of Sustainability, Environmental Affairs and Innovation/Development
- Terminal Operators
- Shipping Companies
- Regulatory and Policy Officers
- Technology Providers

Speaking Opportunities:

If you would like to be considered for a speaking opportunity at the event, with a 20-30 minute presentation, please submit an abstract to:

Beth Young

+44 (0) 20 3141 0613 - byoung@acieu.net

Registration Is Simple

If you would like to register for this event or wish to find out more information, you can contact **Cheryl Williams** using any of the following methods:

Tel: + 44 (0) 203 141 0605

Email: cwilliams@acieu.net

Conference Fees

Conference (Includes Documentation Packet) £1,895

Documentation Packet Only £495

Members and customers of all supporting organisations are entitled to a discount off their conference package.

Discounts are available for multiple/group bookings.

Opportunities to Meet Your Target Audience:

Showcase your technologies to the industry, with opportunities to demonstrate the capabilities of your latest products and services. Companies can gain direct access to our senior level audience and have an increased level of visibility and exposure through branding and networking at the conference. This will allow you to attract new business and forge lasting commercial relationships.

For information on available commercial opportunities, please contact:

Sam Cormack

+44 (0) 20 3141 0609 - samc@acieu.net

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celebrating 50 years

ACTUALIDAD

Maritima y Portuaria

DAY 1

Wednesday 31st May 2023

08:00 **REGISTRATION & WELCOME COFFEE**

09:00 **CHAIRPERSON'S OPENING REMARKS**



Katalin Dobranszky
Senior Director - Innovation,
Finance & Fiscal Affairs
ECSA

09:15 **SESSION ONE**

Technological Developments and Innovations in the Port Industry

- The most recent updates within the industry
- Overview of the ports sector



Thomas Desnijder
Energy Policy Advisor
North Sea Port

From Traditional to Transformative - Digital Initiatives at the Port of Bridgetown

- Introduction to The Port of Bridgetown and a look at the Traditional Processes
- Transformational Projects
- Benefits and Challenges
- Looking to the Future



Rommel Edwards
Manager Digital Innovation &
Development
Barbados Port Inc.

Green and Smart Terminals in Challenging Market Conditions

- Megatrends in the global port sector
- Global container port volumes outlook and global container shipping industry outlook
- Increased competition and being smart and green



Leticia Astudillo
Deputy Director
Drewry Maritime Advisors

11:00 **MORNING REFRESHMENTS**

11:30 **SESSION TWO**

Evaluating Ports and The Energy Crisis

- Alternative fuels: clean shipping (e-methanol, hydrogen, etc.) and fuel mix (which ones are the best? Which are to be used?)

- The energy transition
- Shore power
- Generating own power
- Renewable energy questions
- The cost of materials
- Use of hydrogen as a zero-emission fuel for applications in port machinery
- Dual-fuel technology supporting vessels
- Heavy duty vehicles operating landside and on terminals in ports



Benjamin Weinacht
Managing Director
CMB Germany

The Implementation of Shore Power at Container Terminals in the Port of Hamburg

- Why shore power/Benefits
- Different set-ups
- Energy demand
- Challenges and constraints
- Example Hamburg



Dorothe Götz
Terminal Planning Specialist
HPC Hamburg Port Consulting GmbH



Roland Teixeira
President
EOPSA

13:15 **LUNCH**

14:15 **CONFERENCE PRESENTATION** **Green Shipping Corridors: Accelerating the Transition to Zero-Carbon Shipping**

- "Clean Tyne Shipping Corridor" project
- Criteria for success
- Barriers to development



Eleni Bougioukou
Innovation Manager –
Energy and Sustainability
Port of Tyne

14:55 **PANEL DISCUSSION**

Discussing Pollution from Ports

- Air pollution/quality
- Noise pollution – including underwater noise
- CO2 emission reduction from ships

- Waste management
- Improving water quality



Maarten Boot
Policy Advisor
FEPOR



Valeria Mangiarotti
Director of Sustainability & Environmental Issues
MedCruise



Ashley Woods
Head of Global Environmental Improvement
Maersk

- Diverse data sources
- Live and historic data
- Change over time



Andrew MacPherson
CEO
3DEO

17:15

CONFERENCE PRESENTATION The Ports' Path Towards Decarbonization of Maritime Transport

- Role of ports in the energy transition
- Pillars for the decarbonization of ports
- Maritime transport decarbonization strategies from the ports perspective



Raúl Cascajo Jiménez
Head of Environmental Policies
Port of Valencia

17:50

CLOSE OF DAY ONE

15:45

CONFERENCE PRESENTATION Fit-for-55: A Strategic Perspective

- Strategy development requires a disciplined process and needs to be solidly databased
- While currently the scope of most sustainability strategies rests on scope 1 and 2 emissions in ports, there is an increasing logic to include scope 3 emissions as well
- Pressures go way beyond the CO2 focused requirements set forth by the EU's Fit-for-55, though. A sustainability strategy should therefore take a more comprehensive view to get ahead of the curve



Albrecht Grell
Managing Director & Co-Founder
OceanScore

16:05

AFTERNOON REFRESHMENTS

16:35

CONFERENCE PRESENTATION Utilizing Data and Digital Tools for Reducing Shipping Emissions in Ports

- Navigating the data challenge
- Using digital tools to remove the data burden to allow focus on decarbonisation and air quality improvement strategies
- Fitting the digital jigsaw together



Jon Lane
Senior Sustainability Manager
RightShip

16:55

CONFERENCE PRESENTATION A Single Window on Assets, Operational and Environmental Data

09:05

SESSION THREE

Overcoming Ecological Port Challenges

- Ballast Water Management (BWM) – how does it influence ports?
- Biodiversity in ports
- Dredging



Rhona Macdonald
Sustainability Advisor
British Ports Association

Proactive Hull Cleaning of Ships' Biofouling

- By allowing proactive hull cleaning, ports can avoid becoming a hub for invasive aquatic species
- By allowing proactive hull cleaning, ports can promote efficient fuel consumption significantly
- But how to regulate and accommodate proactive hull cleaning?



Irene Øvstebø Tvedten
Senior Advisor Maritime
Bellona

Posidonia Oceanica Meadows Reforestation Project (Cartagena Port Authority) - Offset CO2 Emissions Using Posidonia Oceanica as Carbon Sink

- Underwater meadows restoration to preserve their capacity to act as CO2 sink, offset CO2 emissions projects
- Environmental restoration projects in degraded areas after removing anthropogenic factors, as the Cartagena port, where is the first time that Posidonia oceanica has been planted in waters of an industrial port after 10 years of port water and sediments controlling
- Use of Posidonia fragments from the Marine Reserve of "Cabo Tiñoso – La Muela y ZEPA Isla de las Palomas" next to Cartagena's port for the reforestation
- Use of Posidonia fragments instead of seeds as reforestation method



Ander Retuerta
Marine Environmental Consultant
Laboratorios Munuera SL for Port of Cartagena

10:55 **MORNING REFRESHMENTS**

11:25 **CONFERENCE PRESENTATION**

Kawasaki Hydrogen Road – Development Of Innovative Hydrogen Technologies

- Focus on entire value chain of liquid hydrogen (LH2)
- Production, storage, transport and utilization of hydrogen
- Hydrogen receiving terminals
- Oversea transportation of LH2
- Hydrogen fuelled gas turbines



Nurettin Tekin
Hydrogen Product Manager
KAWASAKI Gas Turbine Europe GmbH

11:45 **SESSION FOUR**

Moving Towards Better Relationships in Ports

Greener Ports for a Cleaner World

- The importance of cooperation and sharing knowledge

- Monitor the ports development towards the green transition
- To be transparent to meet the demand for information



Jon Olav Stedje
Manager Port Operations
Port of Flåm
Ambassador
Environmental Port Index
Member of The Sustainable committee
Cruise Europe

The Role of The Barge Operator

- A barge operator is the spider in the web in ports and can help drive energy transition by connection parties and stakeholders
- The current way of working in the bunker industry (maritime logistics) will change with the future fuels mix
- In the strive for sustainability, we are no competitors but should all talk to each other and share knowledge and experience



Claudia Beumer
Global Account Manager
VT Group

13:00 **LUNCH**

14:00 **SESSION FOUR**

The Future of Ports

- Their circularity in a circular economy (how to make use of ships waste?)
- Ports vs the city; the city is moving closer, meaning ports have to handle noise, dust and smell

Hamburg's Urban Fleet Turns Green. Challenges for a Port Located in the City

- The Hamburg fleet is a unique model, at least in Germany, that combines public and authority ships in a private shipping company. Although it is a private company, its parent company is the Hamburg Port Authority and thus the City of Hamburg. This connection to the City allows to develop this fleet more environmentally friendly step by step.
- Since the port area is part of Hamburg's city centre, in addition to climate protection, especially the reduction of air pollutants such as nitric oxide and particulate matter play a crucial role in the public discussion. This presentation shows, how Hamburg manages the situation on the example of the Hamburg fleet.

- Issues are for example: Use of innovative fuels, exhaust gas treatments both in new buildings and as a retrofit solution, use and testing of innovative propulsion technologies and energy-efficient ship operation.



Karsten Schönewald
Managing Director
Flotte Hamburg GmbH & Co. KG

Seizing the Energy Transition Opportunity, Become a SMART Energy Hub

- Strategic and energy transition plan – vision:
The port of Barcelona anticipated in its strategic plan the need for the development and implementation of an energy transition plan to tackle decarbonisation and resilience of its community paving the way to becoming a SMART energy hub.
- Changing mindsets & cooperation (pioneers):
the energy transition is a part of a wider transformation, from an unconscious economy to a rational sustainable economy, to reach this goal, the main barrier to be tackled is the mindset of the stakeholders.
- Circularity: a circular approach should be integrated at the core of future projects and current activities must be revised to allow the identification of circularity opportunities.
Presentation of some of the relevant projects being developed.
- Smoothing Port-City permeability: many factors influence the activities on both directions, easing the transition from city to port can reduce externalities and provide a better interaction.



Maurici Hervás
Researcher in Energy Transition
Port of Barcelona

Towards Carbon Neutral Ports

- The carbon neutrality processes in ports



Andreas Slotte
Head of Sustainable Development
Port of Helsinki

15:45

CHAIRPERSON'S CLOSING REMARKS



Katalin Dobranszky
Senior Director - Innovation,
Finance & Fiscal Affairs
ECSA

15:55

END OF CONFERENCE & AFTERNOON REFRESHMENTS