



GreenPort LOGISTICS

ENERGY FOR GREEN PORTS

2 CONFERENCES
CONFERENCE **1** EXHIBITION
CONFERENZE **FIERA** **1** LOCATION
LOCATION

23-24 FEBRUARY 2011
MARITTIMA • TERMINAL 103 • VENICE

Hosted by:



PORT OF VENICE
WHERE THE EARTH REVOLVES AROUND THE SEA

Organised by:



In association with:



Under the patronage of:



Supported by:



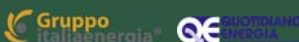
CONFERENCE PROGRAMME & STUDY TOUR ITINERARY

Two important conferences are being held to help decision makers deal with sustainable environmental practice that will enable them to effectively implement the changes required

The emphasis of these events will be on examining practical, economically viable solutions as well as applications and case studies



Media partners:



Contact us now to book your conference place

www.greenport.com sales@greenport.com Tel: +44 1329 825335

For ITALY please contact

VTP Events vtpevents@vtpevents.it Tel: +39 0412403023-24-26 -21

Sponsored by:



Wednesday, 23rd February 2011

JOINT SESSION

- 08:00 Registration and coffee
- 09:30 CONFERENCE OPENS
- 09:35 Welcome to the Port of Venice from Paolo Costa, President, Venice Port Authority
- 09:50 Italian Minister for the Environment (TBC): On. *Stefania Prestigiacomo*
- 10:05 The view from the Italian Ports – Italian Ports Association – Assoport (TBC)
- 10:20 The supporting role of ESPO - ESPO Chairman *Victor Schoenmakers*
- 10:35 Keynote address: from Industry – The importance of Green Ports and Logistics Chains to our business
- 10:55 Overview of conference programme – Conference Organisers
- 11:00 Tea & coffee break



ENERGY FOR GREEN PORTS

- | | |
|--|---|
| <p>11:30 Session 2: Sustainable logistics as an end to end chain
Sustainable logistics requires an end to end approach and co-operation between it's links. What are the key influences and drivers?</p> <p>11:35 European Transport and Logistics policy drivers
<i>Pawel Stelmaszczyk, Head of Unit Logistics, Co-modality, Inland Waterways, Motorways of the Sea, Marco Polo (TBC).</i> An update on key current and future policies helping shape sustainable transport and logistics across Europe</p> <p>11:55 Decarbonisation of the chain – delivering this through chain co-operation
<i>Sergio Barbarino, Innovation Centre, Procter & Gamble (TBC).</i> Developing progress at Procter & Gamble.</p> <p>12:15 Managing risk and security through the chain – the case for food safety
<i>Representative from food industry.</i> How can the growing need for food safety and maintaining the traceability of materials through the chain be assured in a sustainable way?</p> <p>12:35 Discussion and questions</p> <p>13:00 Lunch</p> <p>14:15 Session 3: Sustainable Logistics Chains in Action
Practical examples from prominent shippers and the organisations supporting their developing logistics operations.</p> <p>14:20 What do Shippers want and need from the logistics chain and how is sustainable logistics practice developing?
How are ports / port areas supporting this? What more should be done? Industry overview.</p> | <p>11:30 Session 2: The energy challenge for Green Ports
Whilst ports and port areas are striving to be Green, their operations are significant consumers of energy. Pressures for reducing energy use and emissions means this needs to be addressed.</p> <p>11:35 European policy, regulation and impacts
<i>Elena Visnar-Malinovska, Cabinet Member – Environment, European Commission (TBC).</i> An update on the direction of European and International policy on energy use and emissions management and its likely impact.</p> <p>11:50 Reducing the impact and looking at opportunities
<i>World Ports Climate Initiative (WPCI) representative.</i> How the Ports industry are tackling energy efficiency and seeking to reduce energy demand.</p> <p>12:05 The Cruise Industries response
<i>Valeria Mangiarotti, Board Member, MedCruise (TBC)</i> An overview of the policy impacts and practical responses from the Mediterranean Cruise Industry.</p> <p>12:20 What can the global power industry bring to the party
<i>Andrea Valcalda, Head of Innovation and Environment, ENEL</i> The view from ENEL on present and future developments to support energy reduction and alternative energy sources.</p> <p>12:35 Discussion and questions</p> <p>13:00 Lunch</p> <p>14:15 Session 3: Dealing with ship emissions at and near port
Emissions from ships coming into port and at berth are increasingly under scrutiny. Exerting influence may be difficult for the port. Onshore power supply (OPS) or cold ironing is one answer, but is not straightforward. Supplying a ships energy needs from shore will also increase the ports energy requirements. What other options are available? What actions are the shipping lines taking? What other action are the ports taking?</p> <p>14:15 Regulations and management of ship emissions and introduction to OPS
<i>Industry representative.</i> An introduction to the challenges and opportunities of dealing with ship emissions.</p> |
|--|---|

- | | |
|--|---|
| <p>14:40 Case Study 1 – A leading shipper provides an overview of their European logistics challenges and how these are being supported</p> <p>15:00 Case Study 2 – A second leading shipper provides an overview of their requirements from their logistics suppliers to reduce their transportation footprint</p> <p>15:20 Discussion and questions</p> | <p>14:25 OPS solutions from alternative energy sources and the latest trend in cruise ships
<i>Port and Cruise Line representatives.</i> How are ports dealing with the challenges presented by sourcing power for OPS systems? How are Cruise Lines responding to opportunities offered by OPS. There are still many issues to be resolved and OPS investment cost is high. Is this the way forward?</p> <p>14:40 The view from OPS technology providers
<i>Igor Agostini, Department of development and manufacturing, ENEL.</i></p> <p>14:50 The future of LNG as an alternative
<i>Port / shipping industry representative.</i> There are alternative ship solutions to OPS including wind, solar and fuel cells. LNG is gaining momentum. How viable is this as an option? A look at LNG installations in place today and future developments.</p> <p>15:05 Ports response through incentive schemes
<i>Port / shipping industry representative.</i> A number of schemes have been developed to encourage cleaner shipping and reduced emissions. These include the Environmental Shipping Index, Green Award and Clean Shipping Index. How effective are these and how are they likely to develop?</p> <p>15:20 Discussion and questions</p> |
|--|---|

JOINT SESSION

- 15:45 Tea & coffee break**
- 16:15 Session 4: Changing the Game** – Introduction from Session Moderator
- 16:20 EcoPorts entering a new era** – EcoPorts has had a fundamental role in shaping the development of environmental management and sustainability in ports. How will it continue to support the future? A review of EcoPorts achievements to date and the way forward. *Patrick Verhoeven and Antonis Michail, ESPO; Chris Wooldridge, EcoPorts Foundation and University of Cardiff; Herman Journee, EcoSLC.*
- 17:00 Innovation bringing together sustainable logistics and energy in ports**
- 17:05 Venice Port Authorities Offshore Terminal Development.**
Antonio Revedin, Venice Port Authority. Eight km off shore and with 20 m natural draught, Venice's new offshore terminal will let the world's largest vessels berth. Containers will be taken by barges to the shore. Oil will be transferred through a pipeline, and tankers will be kept outside the Venetian lagoon.
- 17:25 Clean Port concept supported by sail powered coastal vessels**
David Surplus, Managing Director, B9 Shipping. The environmental performance of ports and merchant ships is receiving higher levels of public scrutiny now that the transition to a low carbon economy is under way. Many straight forward applications of renewable energy and organic waste treatment methods can be assimilated from the electricity generation, road transport and waste management sectors and this paper describes how some of these can be combined into a practical and holistic solution.
- 17:45 Discussion and questions**
- 18:00 Close of day one**

Thursday, 24th February 2011

- 09:00 Session 5: De-carbonising the port, logistics chain and operations – Maritime & Landside**
This is a key priority for ports, the logistics industry, its users and stakeholders. How is this developing between the different players?
- 09:05 Assessing opportunities across the whole chain** – *Logistics industry representative.* Carbon management and monitoring is key. Understand where your carbon is and what it's costing. There are many sectoral initiatives looking at this. How are they progressing? Progress in carbon management systems and techniques - A review of the Carbon management approaches, tools, projects and initiatives across the different sectors. How are they helping identify areas for improvement? Developments in improving energy efficiency and process management will be highlighted. Tightening the chain and eliminating delays and waiting time can bring significant benefits particularly in emissions reductions and fuel consumption.
- 09:20 WPCI carbon footprinting methodology in action** – *Port representative.* How the methodology is being applied in a project port and the improvements being delivered.
- 09:35 The Climeport approach** – *Port of Valencia (tbc).* Mediterranean ports contribution to climate change mitigation explained. An overview of the project and its benefits to date.
- 09:50 Terminal Operators and the Terminal Operators CO₂ Forum (TOCOFO)** – *Terminal operator representative.* European terminal operators are co-operating through a knowledge exchange forum. How is this helping to deliver improved practice?
- 10:05 Discussion and questions**
- 10:30 Tea & Coffee break**

- 11:00 Session 6: Developing corridors and networks and supporting inter-modality**
Effective and sustainable flows of freight require integrated corridors and networks. How is this area developing?
- 11:05 Developing Green Corridors and the Super Green Initiative**
Jerker Sjogren – Senior Advisor – Swedish Ministry of Transport (TBC). Green Corridors are a European concept denoting long-distance freight transport corridors where advanced technology and co-modality are used to achieve energy efficiency and reduce environmental impact. Super Green is an initiative to evaluate a number of these corridors.
- 11:20 Linking ports and waterway systems with dry ports and rail shuttles.** *Industry representative from a developing network.* Shippers are now looking for ports of entry where hinterland reach to market can be achieved more efficiently and effectively, minimising road freight where possible. Offering a 'European wide' inter-modal network of dry ports and rail shuttles linked to the ports and waterway systems may be the way forward.
- 11:35 Multi-port gateway developments.**
Representative from the North Adriatic Ports Association (NAPA). An overview of this developing concept from the North Adriatic gateway
- 11:50 E-freight – an enabler for the development of the EU Maritime areas.** *E-freight representative.* Ports and the maritime section of transport must be integrated into the rest of the logistics chain. This requires commonality of systems and information. E-freight may be an answer – a review of developments
- 12:05 Discussion and questions**
- 12:30 Lunch**
- 14:00 Session 7: Models and tools for co-operation, development and management.** Cooperation, collaboration and effective information flows are critical to sustainable logistics. How can these be facilitated? What's being developed and how effectively are they working in practice?
- 14:05 Green supply chain management.** *Industry practitioner.* A number of schemes are in place and being developed including the Clean Ships Index and Green Tender. How widely are these being adopted? How effective are they? Do they fit together? How are different players with indicators managing to co-operate?
- 14:25 Designing a sustainable logistics chain.**
Industry practitioner. A review of some of the supporting tools being used and in development. How effective are they, in practice, in bringing different stakeholders together?
- 14:45 Developing a management system and certification for the Sustainable Logistics Chain.**
Herman Journee, EcoSLC. A review of progress to date and an opportunity for audience participation.
- 15:05 Discussion and questions**
- 15:30 Closing Session: Bringing it all together into action.** Reviewing the progress made during the conference, big issues remaining and how discussion can be continued. Discussion with delegates and panel of session moderators. What concrete things are being taken away ... logistics ... energy ... and jointly; How can the momentum of debate, discussion and co-operation be maintained?
- 16:15 Closing Farewells from the Port of Venice**
- 16:25 Handover to Port of Hamburg for the GreenPort 2011 Congress**
- 16:30 Conference close**
- 11:00 Session 6: The Port as an Energy Generator.** Increasingly ports and port areas are developing alternative sources of renewable energy for their own use and/or to serve as a regional hub. This can be an effective way to reduce carbon and improve security of supply. We look at the alternative offshore and onshore renewable sources available. How can the options and applications be assessed? What are the practicalities of project development and implementation?
- 11:05 Developments across Italian terminals.** *Representative from Assiterminal, Association of Italian terminal operators.* An overview of implemented projects and plans for the future.
- 11:20 Case Study 1:** Developments and opportunities from a large port and estuary. *Port representative*
- 11:35 Case Study 2:** A second leading port provides an overview of their current and future developments.
Port representative
- 11:50 Case Study 3:** The application of innovative energy sources. Developing an algae driven system at the Port of Venice. *Speaker to be confirmed.* The lagoon of Venice is supporting a staged development project with the potential to generate 20MW electricity in the future.
- 12:05 Discussion and questions**
- 12:30 Lunch**
- 14:00 Session 7: Emerging and Next Generation technologies and applications.** What might be expected in the future? How are new technologies developing to deliver next generation buildings, plant and energy sources?
- 14:05 Emerging and next generation technologies likely to be more widely adopted in the future.** *Industry representative.*
- 14:20 Developing environmentally friendly next generation cruise & passenger terminal buildings.** *Port / Terminal Representative.* Showcasing a recently designed terminal building encompassing the latest technologies
- 14:35 The role for hydrogen in the port area.** *Project representative.* A look at the hydrogen park of Maghera (TBC). How does this compare with developments elsewhere?
- 14:50 Innovative developments in transportation and handling devices.** *Terminal operator / equipment representative.* Showcasing new port terminal developments highlighting new technologies and practices being incorporated.
- 15:05 Discussion and questions**

4th GreenPort Environmental Port Study Tour

February 16-25, 2011

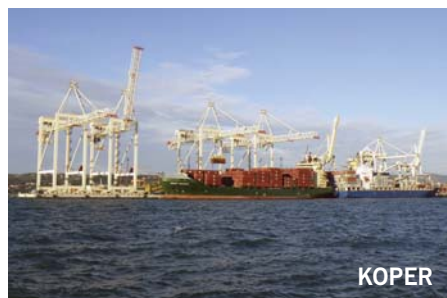
Ports of the North Adriatic:

Rijeka – Koper – Trieste – Ravenna – Venice

The five ports of the North Adriatic constitute a coordinated 'green gateway' into the heart of the European Continent and the growing economies of Central and Eastern Europe. Traditional sailing times to the North European port range are up to 4,000Nm less via the North Adriatic – providing significant reductions in CO² emissions. With the excellent multimodal connections to Pan-European transport corridors shippers to Europe now have a real green logistics alternative.

Convening in Venice on 16 February, the Study Group will then travel by coach to Rijeka before heading north to Koper, then arriving in Trieste over the weekend. Finally the Group will move on to Ravenna and back to Venice. Tour Participants will visit each port prior to the GreenPort Logistics and Energy for Green Ports Conferences, culminating with a tour of the Port of Venice on February 25. A varied programme has been developed in each port which will focus not only on the many individual environmental initiatives but also the infrastructure investments made and planned for their respective hinterland connections.

Wednesday 16th	Convene in Venice for coach journey to Rijeka
Thursday 17th	Host – Port of Rijeka Authority – www.portauthority.hr
Friday 18th	Host – Port of Koper – www.luka-kp.si
Saturday 19th	Trieste
Sunday 20th	Trieste
Monday 21st	Host – The Trieste Port Authority – www.porto.trieste.it
Tuesday 22nd	Host – Port of Ravenna Authority – www.port.ravenna.it
Wednesday 23rd	Attend GreenPort Conference – Day 1
Thursday 24th	Attend GreenPort Conference – Day 2
Friday 25th	Host – Venice Port Authority – www-port.venice.it



For further information please call +44 (0) 1329 825335
or email conferences@greenport.com