



5th Edition

Centro Congressi Porto Antico and Palazzo San Giorgio

Genova, September 19th – 20th, 2013

International Forum

Technological innovation for the maritime
cluster development

AGENDA

Conference Plan

	Sala Grecale Centro Congressi	Sala del Capitano Palazzo San Giorgio
Thursday 19 th September 9.30 am-1.00pm	<u>GREEN SHIPPING SUMMIT</u> <i>Plenary Institutional Session</i> The European policy for the marine LNG supply chain: opportunities for Italy	<u>SMART PORT</u> <i>First Session</i> Miele Project: European and international scenarios after the implementation of EU Dir 2010/65
Thursday 19 th September 2.00 am- 6.00 pm	<u>SMART PORT</u> <i>Second Session</i> Innovative Plans and projects for the logistic system in North West	<u>GREEN SHIPPING SUMMIT</u> <i>Plenary Institutional Session</i> The European policy for the marine LNG supply chain: opportunities for Italy
Friday 20 th September 9.00 am-1.00 pm	<u>NEW MARKETS FOR THE MARITIME CLUSTER DEVELOPMENT</u> <i>First Session</i> Areas of development for the national maritime cluster: the Mediterranean basin potential	<u>GREEN SHIPPING SUMMIT</u> <i>First Session</i> Technologies for environmental efficiency of ships
Friday 20 th September 2.30 am-6.00 pm	<u>NEW MARKETS DEVELOPMENT FOR THE MARITIME CLUSTER</u> <i>Second Session</i> The development of Turkey - Italy relations	<u>GREEN SHIPPING SUMMIT</u> <i>Second Session</i> Port best green practices <i>Third Session</i> Ships acoustic emissions control and reduction in port systems

GREEN SHIPPING SUMMIT

Business best practices, technological innovations and new fuels for the reduction of the environmental impact of maritime shipping

Thursday 19th September and Friday 20th September

*International conference in collaboration with
Confitarma, Assagenti, Assoporti and IIC (Istituto Internazionale delle Comunicazioni)
In partnership with the 2nd "Sustainable Maritime Transport Conference", organized by IIC*

Scientific advisory: Ecba Project (Environmental Cost Benefit analysis to assess Innovation)

A greener approach to technological innovation concerns every sphere of maritime shipping: from ship structure, to new technologies for propulsion and on board operations, innovative fuels, IT systems for monitoring and integrating information, up to policies and best practices carried out by shipping companies and port operators.

Technological solutions and innovative fuels are available on the market to increase energy efficiency and environmental performances, by intervening in earlier processes (waste factors prevention, motoring solutions) and later steps of on board operations (gas desulfurization and denitrification , ballast water treatment, exhaust pipes purification, Bilge water filtering and waste management).

Thursday 19th September

Institutional Session

The European policy for the marine LNG supply chain: opportunities for Italy

In 2013 The EU's 20-20-20 policy has gone one step forward, with proposals about innovative fuels in the shipping sector. The proposals concern both electricity supply infrastructures supporting energy efficiency in ports and those for LNG supply in the maritime field, to help improve air quality in ports, in seas and in Europe's continental areas.

The institutional session will analyze the opportunities provided for the maritime sector by the proposal for a directive on alternative fuels, with special attention to LNG, an emergent fuel which can be an economical solution, in compliance with the IMO environmental law.

Main Topics

- Directive contents, the position of the European Parliament rapporteur and of the Italian Government
- LNG import terminal, port terminals and bunkering by sea: what strategy for Italy?
- The international market and the development of the LNG supply chain for marine use: ongoing international projects.
- The cost-benefit analysis of infrastructure and logistics projects: environmental benefits and prospects for economic profitability of LNG marine fuels compared to current fuels
- What are the expert organizations
- What are the best forms of financial support?

9.00 am - 1.00 pm, *Sala Grecale, Centro Congressi*
Simultaneous translation ITA-ENG-ITA will be provided

9.00am Registration

Chairman: Andrea Molocchi - Ecba Project

9.30 Welcome and Opening remarks

Luigi Merlo - President **Genova Port Authority**

Alberto Cappato - Director General **Porto Antico di Genova**

The contents of the proposal for a European on "the infrastructure for alternative fuels"

10.00 European actions for cleaner fuels and sustainable shipping

Torsten Klimke - Head of Team, Unit for Maritime Transport & Logistics, DG Mobility and Transport **European Commission**

Quality and safety of technological solutions for the LNG use in the marine industry

10.20 Liquefied Natural Gas: The Future Is Now

Marco Golinelli - Vice President **Wärtsilä Italia - Power Plant**

10.35 *A possible roadmap for LNG as fuel in Italy; how to learn from existing experiences in northern Europe?*

Mohamed Houari - Head of Solutions for Central Europe **DNV**

Economic, environmental and financial opportunities

10.50 *Global LNG outlook*

Alberto Pincherle - President **AIEE-Young (Associazione Italiana Economisti dell'Energia)**

11.05 *Economic opportunities and Environmental benefits of the LNG for maritime transport in the Mediterranean Sea*

Andrea Molocchi - Ecba Project (**Environmental cost benefit analysis to assess innovation**)

11.20 *The natural gas industry in Italy: market dynamics and infrastructure development*

Simona Camerano - Coordinator of research and studies **Cassa Depositi e Prestiti**

North European and Mediterranean best practices

11.35 *On going projects for marine LNG infrastructure in Northern Europe*

Antonis Michail - Policy Advisor, EcoPorts Coordinator, **ESPO (European Sea Ports Organisation)**

The Proposal on alternative fuels test bench for national strategies and laws

11.55 *The LNG role in the national energy strategy*

Giovanni Perrella - Member of the technical secretary of the Energy Department in the DGSAIE director's personnel **Ministry of Economic Development**

12.10 *National initiatives for a sustainable maritime shipping, LNG for marine transportation regulation and the role of LNG as an alternative fuel*

Vanda Rebuffat - Director of Unit VI, Directorate General of Maritime Transport and Inland Waters **Ministry of Infrastructure and Transport**

12.25 **Questions and debate**

13.00 **Closing of the morning session**

2.30 pm - 6.00 pm, *Sala del Capitano, Palazzo San Giorgio*

2.30 **Opening of the afternoon session**

2.35 *The point of view of RINA on the development of the LNG supply chain in Italy*

Andrea Cogliolo - Head of Innovation **RINA (Registro Italiano Navale)**

2.50 *The opinion of some operators on a national LNG supply chain in Italy*

3.20 Round Table: panel discussion on the proposal for a directive

Associations comments and proposals

Chairman: Fabio Capocaccia - President **IIC** (**Istituto Internazionale Comunicazioni**) and Councilor **Sos Logistica**

Participants:

Valeria Novella - President **Giovani Armatori Confitarma**

Pasqualino Monti - President **Assoporti**

Paolo Dal Lago - President **Assogasliquidi/Federchimica**

Alberto Banchemo - Vice President **Assagenti** and President **Gruppo Giovani Assagenti**

Maria Rosaria di Somma - Director General **Assocostieri**

Conclusions

4.45 *The position of the European Parliament*

Carlo Fidanza - Member of Transport and Tourism Committee **European Parliament**

5.05 *The position of the Italian Government in the EU Council on the proposal for a directive*

Vincenzo De Luca - Vice Minister **Ministry of Infrastructure and Transport**

5.25 Questions and debate

6.00 Closing of the session

SMART PORT

cutting-edge projects for the optimization of port logistics

The conference addresses the theme of the Smart Port and illustrates the opportunities provided by a greater efficiency in the port area, in order to increase both the environmental sustainability and the economic competitiveness of the areas affected by these innovations.

The European Community puts emphasis on the economic driving role played by intermodal transport corridors which are managed through interoperable ICT systems that ensure their fluidity.

The Directive 65/2010 provides for the creation of a "Maritime Single Window" designed to simplify and harmonize shipping administrative procedures.

Within the Italian framework, the Article 46 of the so-called "Save Italy" Legislative Decree aims to promote the creation of infrastructures linking port areas to dry ports.

Main Topics

- Projects for the relaunch of rail freight
- IT solutions and cutting-edge technologies for the development of intermodality and goods traceability
- Development of the "e-maritime"
- Digitalization and interoperability of port customs system
- Projects started in Italy on the model of International experiences

9.30 am-1.00 pm, *Sala del Capitano, Palazzo San Giorgio*

First Session

Miele Project: European and international scenarios after the implementation of EU Dir 2010/65

2.00 pm- 6.00 pm, *Sala Grecale, Centro Congressi*

Second Session

Innovative Plans and projects for the logistic systems in North West

Simultaneous translation ITA-ENG-ITA will be provided

Chairman: Riccardo Bozzo - Associate Professor Electrical Engineering Department **Università di Genova**

2.00 Opening of the session

2.10 *The development of infrastructure to support the port system in a ever-growing Liguria*
Raffaella Paita - Councillor for Infrastructure **Regione Liguria**

2.25 *Smart Port towards 2014-2020*
Renzo Guccinelli - Councillor for Economic Development **Regione Liguria**

2.40 **Enrico Panini** - Councillor for Production Activities **Comune di Napoli**

- 2.55** *Genoa Smart City and its smart port: a necessary and winning symbiosis*
Francesco Oddone - City Councillor for Economic Development **Comune di Genova**
- 3.10** *Porto lungo: strategies and opportunities*
Riccardo Fuochi - President **Propeller Club Port of Milan**
- 3.25** *Without an integrated e – freight System the efficiency of a smart port will vanish*
Willem van der Schalk - MD **a.hartrodt GmbH & Co. KG**
- 3.40** *Immaterial infrastructures for port competitiveness and the role of Customs*
Teresa Alvaro - Head of the Central Department for technology innovation **AgenziA delle Dogane e dei Monopoli**
- 3.55** *The Tiger Project – Genoa Fast Corridor: Innovation and efficiency in ports/inland terminal vs. the European corridors*
Maurizio Anselmo - Genoa fast Corridor demonstrator leader AD **Terminal San Giorgio**
- 4.10** *GFC project challenges and results: technological innovation, customs and efficiency*
Luca Abatello - Technical Project Leader **Genoa Fast Corridor**
- 4.25** *An approach to information management in support of logistic nodes and integrated logistic systems*
Gianni Vottero - Program Manager Transportation Unit **Almaviva**
- 4.40** *Rail and ports: integration and innovation to support competitiveness*
Guido Porta - President **Fuori Muro**
- 4.55** *eSeals, AEO Customs and technological innovation: levers of competitiveness and attraction of goods*
Luca Abatello - CEO **Circle**
Alessandro Paternostro - Innovative Projects Director **Leghorn,**
Filippo Bonifacio - Vice President of the Board of directors and Founder **AME (Advanced Microwave Engineering)**
- 5.40** *The Logistic and Maritime Knowledge and Training Center - A resource for the development of smart specialisations related to the economy of the sea*
Alexio Picco - Business Development Director and member of the management board **Circle**
- 5.55** Questions
- 6.00** Closing of the session

Friday 20 September

GREEN SHIPPING SUMMIT

Business best practices, technological innovations and new fuels for the reduction of the environmental impact of maritime shipping

9.00 am - 12.30 am, *Sala del Capitano, Palazzo San Giorgio*

First Session

Technologies for environmental efficiency of ships: new technological solutions for the reduction of ships gas emissions and the improvement of energy efficiency.

Session in collaboration with Confitarma

Flue gas desulfurization systems, LNG and dual-fuel engines for a low-cost navigation in SECA (SOx Emission Control Area); systems for the monitoring of energy consumption, fuel-saving technologies to intervene in key areas (motoring, propulsion, navigation systems, processes and conditions of the hull, integrated energy management).

Main Topics

- What the most reliable and mature solutions?
- What the issues regarding the implementation of the legislation (eg new directive on the sulfur content of fuels)?
- What the operational and management issues?
- Can the environmental cost-benefit analysis help select the most cost-effective technology solutions?
- Debate and proposals for the new directive on innovative fuels

Chairman: Fabio Faraone - Head of Marine, safety and environmental engineering Unit
Confitarma

9.15 Introductory speech

LNG use prospects for a sustainable maritime transport

Giuseppe Alati - Head of Unit IV - Integrated Management Systems for maritime transport
Ministry of Infrastructure and Transport

9.30 *Recent changes in technology and foul release-based antifouling biocides to reduce consumption and ensure efficient hull cleaning*

Giorgio Fabbi - Marine Manager International Paint **Akzo Nobel Coatings**

9.45 *LNG Shipping and its logistic chain*

Yves Bui - Director Business Unit Fuel Gas Handling **Wärtsilä**

10.00 *The scrubber technology for the reduction of emissions from ships. An opportunity for Italy. Technologies and applications. The approach of the ship owner.*

Leonardo Sonzio - Director, Retrofit Wärtsilä Environmental Solutions **Wärtsilä Finland**

Enrico Allieri - Technical Office Manager and New buildings program Technical Director
Messina Lines

10.25 Profitable compliance by PureSOx**René Diks** - Manager Marketing & Sales Exhaust Gas Cleaning **Alfa Laval****10.40 Roundtable with experts of shipping companies****Alberto Portolano** - Energy Saving Department **Grimaldi Group****Marco Fasciolo** - Technical Department Manager **Grandi Navi Veloci****Vincenzo Galati** - Energy Saving Manager **Costa Crociere****Andrea Fusco** - LNG Project Manager **Caronte & Tourist****12.00 Closing remarks****Andrea Orlando*** - Minister **Ministry of Environment and Protection of Land and Sea****12.30 Closing of the session**2.30 pm - 5.00 pm , *Sala del Capitano, Palazzo San Giorgio***Second Session****Ports best green practices***Session in collaboration with Assoporti*

The session presents the Italian translation of ESPO Green Guide, an essential tool to promote the implementation of the best environmental management practices by port authorities and terminal operators. Speakers will discuss the incentive tools available in Italy, the main management measures and some of the most promising technological solutions. A round table with national port authorities will handle the proposed solutions and present the most significant ongoing projects.

Main Topics

- What the most innovative environmental projects, to replicate?
- Can the environmental cost-benefit analysis to help select the most deserving projects?
- What the most suitable organizational solutions to promote energy and environmental management in ports?
- Good environmental management requirements in grants: what is the role of the Port Authority?
- White Certificates: an incentive tool to reward large-scale energy efficiency projects in ports and transport.

Chairman: Paolo Ferrandino - Secretary-General **Assoporti****2.30 Opening of the session****2.35** *The Italian translation of ESPO Environmental code of Practice***Antonis Michail** - EcoPorts Coordinator **Espo (European Sea Ports Organization)****2.55** *Energy efficiency optimization study (prediction of fuel saving) on existing ships followed by retrofitting efficient installations. Concrete case studies of a RoRo Passenger Ship and a Container Carrier***Martial Claudepierre** - Marine Leader for Environmental Services **Bureau Veritas****3.10** *Energy managers' role in ports and energy efficiency tools***Dario Di Santo** - Director **FIRE (Federazione Italiana per l'Uso Razionale dell'Energia)**

3.25 *The opportunities of the green economy for Italy. Tools and approaches to support the initiatives of ports*

Andrea Barbabella - Energy and Reporting Manager **Fondazione sviluppo sostenibile**

3.40 *Energy efficient RTG - Today and in the future*

Sergio Barni - Cranes Technology Manager **Siemens**

3.55 Round Table with Port Authorities

Calogero Burgio - Environment & Energy Division Director **Civitavecchia Port Authority**

Nicola Torricella - Technical Director **Venezia Port Authority**

Massimo Provinciali - Secretary General **Livorno Port Authority**

Giuseppe Di Luca - **Genova Port Authority**

Davide Vetralla - Head of Environmental Service **La Spezia Port Authority**

5.00 Closing of the session

5.00 pm - 6.00 pm, *Sala del Capitano, Palazzo San Giorgio*

Third Session

Ships acoustic emissions control and reduction in port systems

An important part of port activities acoustic impact is caused by ships (approach phase, maneuvering and parking especially at the dock). The effect of ship-radiated noise on the population of urban areas located around the port depends on the levels of the source vessel, from its location in the port area and from the urban and surrounding areas orographic situation. In this session, after a general introduction to the problem, ship noise impact will be examined, with particular reference to the city of Genoa. The technical problems, which are connected to the characterization of ships noise and to the control of it, will be examined in the light of the results of SILENV project, funded under EU FP7 and recently accomplished.

Chairman Corrado Schenone - Associate Professor Mechanical, Energy, Management and Transport Engineering (DIME) **Università di Genova**

5.00 Opening of the session

5.05 *Environmental impact of Ships noise*

Corrado Schenone - Associate Professor Mechanical, Energy, Management and Transport Engineering (DIME) **Università di Genova**

5.20 *Ships noise issue inside the port, the point of view of the Civic Defense Office*

Francesco Lalla - Ombudsman **Regione Liguria**

5.35 *Ship noise. How does the Municipality respond to it?*

Grazia Mangili - Environment Energy hygiene Directorate / U.O.C. Acustica **Genova Municipality**

5.50 Questions

6.00 Closing of the session

Friday 20 September

NEW MARKETS FOR THE MARITIME CLUSTER DEVELOPMENT

the potential of the Mediterranean basin and focus on Turkey

Simultaneous translation ITA-ENG-ITA will be provided

In spite of the political conflict and the Arab spring are causes of instability, the economic basin of the Mediterranean remains one of the areas with the highest potential for growth in the world. In this scenario Italy can play a major role by exploiting the central geographical position compared to other nations of the Mare Nostrum.

Statistics say that today a significant portion of the Italian maritime economy is generated by maritime traffics to and from the Mediterranean. According to a study by Assoporti and SRM (Studies and Research for the South), in 2012 Italy was the first commercial partner of the MED (followed by France, Germany and Spain) with € 65.7 billion of interchange, of which over 70% (47.4 billion euro) was attributable to shipping.

The conference will provide an overall picture of the growth trends of the traffics in the Mediterranean basin, which are closely related to the development of emerging economies on the world stage. In particular, the afternoon session will focus on the Turkish territory.

9.00 am - 1.15 pm, *Sala Grecale, Centro Congressi*

First Session

Areas of development for the national maritime cluster: the Mediterranean basin potential

Chairman: Umberto Masucci - President **International Propeller Clubs**

9.00 Welcome and Opening remarks

Marco Doria - Mayor **Genova Municipality**

Paolo Odone - President **Camera di Commercio di Genova**

Alessandro Repetto - President **Scientific Committee Genoa Shipping Week** and Vicepresident **Banca Carige Italia**

9.45 Keynote speaker

Fortune and risks of the nations export-oriented

Sergio Bologna - Board of Directors Member **C.I.S.Co. (Centro Italiano Studi Container)** and **A.I.O.M.**, Honorary Member **BVL**

10.05 The Mediterranean, a sea of opportunities ... but watch out for breakers!

Ludovic Subran - Chief Economist and Director for Economic research **Euler Hermes**

10.20 Europe and the Mediterranean: how not to miss an historic opportunity

Giorgio Pagano - President **Associazione JanuaForum** and **Associazione Culturale Mediterraneo**, Mayor **La Spezia Municipality** (1997-2007)

10.35 Round Table: Round Table: Evolution of traffics in the Mediterranean: Opportunities for the national maritime cluster?

Chairman: Alberto Quarati - Journalist **Il Secolo XIX**

Pasqualino Monti - President **Civitavecchia Port Authority**

Giovanni Lorenzo Forcieri - President **La Spezia Port Authority**

Francesco Mariani - President **Levante Port Authority**

Giuliano Gallanti - President **Livorno Port Authority**

Costantino Baldissara - Commercial, Operations & Logistics Director **Grimaldi Lines**

Giovanni Bandini - Marketing and Commercial Manager **Tarros**

Carlo Merli - MD **APM Terminals Vado Ligure**

Piero Lazzeri - President **Fedespediti**

Augusto Cosulich - MD **Fratelli Cosulich**

2.30 pm - 6.00 pm, *Sala Grecale, Centro Congressi*

Second Session

The development of Turkey - Italy relations

Chairman: Gian Enzo Duci - President **Assagenti**

2.35 Welcome

Luigi Merlo - President **Genova Port Authority**

Carlo Silva - President **Clickutilityteam**

Evolution of the Turkish logistic-infrastructure system

3.05 Opening Remarks

Hakki Akil - Ambassador **Turkey Embassy in Rome**

3.20 *Arkas, a Mediterranean dream come true*

Lucien Arkas - President **Arkas Holding**

3.35 *Maritime and intermodal transportation in Turkey*

Metin Kalkavan - Chairman **Turkish Chamber of Shipping**

3.50 *Logistics Perspectives and Investments in Turkey*

Turgut Erkeskin - President **UTIKAD**

4.05 *Prospects of Turkish and World Shipbuilding Industry*

Süheyl Demirtaş - Secretary-General **Turkish Shipbuilders' Association GISBIR**

Italian enterprises in Turkey: development and partnership potential

4.20 *Maritime relations between Italy and the Mediterranean: Focus on Turkey*

Alessandro Panaro - Head of Infrastructure, public finance and public utilities **SRM (Studi e Ricerche per il Mezzogiorno)**

4.45 *Selex es : a technology partner for the Turkish market. The integrated port - a comprehensive approach*

Armando Maras - Business development Vice President integrated ports and airports **Selex ES**

5.00 *Why investing in Turkey? A s.w.o.t. interpretation*

Maurizio Fasce - President **Spediporto**

5.15 *Developing logistics networks to foster trade across the Mediterranean basin, with particular regard to Turkey*

Riccardo Monti - President **ICE (Agency for the promotion of Italian companies abroad and their internationalization)**

5.30 *The internationalization of Italian firms in Turkey*

Marino Inio - Head of Cross Border Business Management Italy **Unicredit**

5.45 Questions and debate

6.00 Conclusions

*attendance to be confirmed