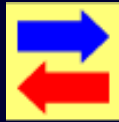




SCHOOL OF NAVAL
ARCHITECTURE &
MARINE ENGINEERING

LABORATORY FOR MARITIME TRANSPORT
NEWSLETTER No 16
January – March 2011



<http://www.martrans.org>



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Dear Reader,

The electronic newsletter of the Laboratory for Maritime Transport (LMT) of NTUA is issued regularly to inform you regarding our current and forthcoming activities. You are warmly encouraged to visit our website (www.martrans.org) for further information and to contact us about your enquiries. Your feedback will be highly valued. Kind regards..._

The LMT staff

SuperGreen: 6 events within 2 months



The SuperGreen project continued into its second year with a flurry of activities, including 6 distinct events within 2 months (February- March).

The 2nd regional SuperGreen project workshop was cordially hosted by the Port of Antwerp on February 1, 2011. The event brought together around 70 stakeholders involved in green logistics. The workshop focused on two main topics: (a) effects of changes in operational and regulatory environment, and (b) progress made in benchmarking the green corridors.



EC DG-MOVE Head of Unit B-3 Pawel Stelmaszczyk speaking at the 2nd regional workshop in Antwerp

In terms of the former, identified changes were grouped in seven categories (changes in business environment, trends in logistics, public policies, operations, infrastructure development, technology development and international

regulations) and their effects were assessed using the key performance indicators (KPIs) already selected in previous stages of the project. In relation to corridor benchmarking, preliminary KPI results concerning transport chains using the Brenner corridor, our pilot case, were presented during the workshop.

The event was followed by the 1st annual EU review meeting of the project, held at the premises of Port of Gijon (Asturias House) in Brussels on February 2, and providing an opportunity to present and review work undertaken and results achieved by the project during its first year.

The combined 2nd General Assembly and 4th Project Management Committee meeting were held on the same day at the same place. The 21 participants, all project staff, had the opportunity to assess the EU review and the Antwerp workshop of the previous day, and plan imminent project activities.

On March 9, 2011 Harilaos Psaraffis and George Panagakos represented SuperGreen in the Green Corridors joint workshop, organized by the four Swedish green corridor initiatives (East West Transport Corridor II, Scandria, Transbaltic and Øresund EcoMobility) in Malmoe, Sweden as a preparatory meeting for the main SuperGreen event of the following day.

The 3rd regional SuperGreen workshop took place in Malmoe, Sweden on March 10, 2011 and provided a forum for dissemination and discussion on topics such as the Swedish green corridor projects, progress on the KPIs and related methodology, and interim results on corridor benchmarking. The workshop, hosted by the Swedish Transport Administration, brought together around 80 participants. Discussions were focused on connecting the various green corridors projects both at a regional and European Union level so as to leverage the experience acquired from all of them.

Among the most important outcomes of this event were the finalization of the KPI set and the confirmation of the long term vision, which foresees that all freight transport corridors in Europe will become green and form a single integrated freight transport network that is driven by market needs. The workshop was closed by Mr. Pawel Stelmaszczyk of the European Commission (DGMOVE), who gave an



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enlightening presentation of the expected evolution of the Green Corridors in the context of the new White Paper on transport policy and the revised TEN-T guidelines.



Managing Director of PSA Sines Jorge D' Almeida, President of Sines Port Authority Lidia Sequeira, and Harilaos Psaraffis at the opening session of the 4th regional workshop in Sines

In addition to being informed on the corridor benchmarking results, the approximately 60 participants had the opportunity to discuss the role of green technologies and smart ICT applications in greening freight corridors. As a successful example of this latter group, the Single Window System (JUP) of the Port Authority of Sines, which enables paperless administration, was presented to the participants who were able to watch it in action during the port tour they took.

All material of the regional workshops can be accessed at the project's web site, see the following link:

<http://www.supergreenproject.eu/news.html>

Speech at the Hellenic Institute of Marine Technology

Dr. Nikolaos P. Ventikos (Assistant Professor of NTUA/LMT) was invited by the Hellenic Institute of Marine Technology to deliver a speech on the very interesting topic of ship generated oil marine pollution.

The presentation took place at the premises of the Hellenic Institute of Marine Technology (i.e. at 14 Skouze st. in Piraeus) on February 7, 2011 (at 18:00).



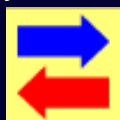
Full house at the 3rd regional workshop in Malmoe, Sweden

Last but not least, the 4th regional SuperGreen workshop took place in Sines on March 24, 2011 and provided a forum of discussion with stakeholders in Portugal and the Iberian Peninsula. The workshop was hosted by the Port of Sines, Portugal's leading port in terms of volume of cargo handled, and SuperGreen partner PSA Sines, member of the PSA International Group, one of the leading global port operators with terminals in 28 ports in 16 countries across Asia, Europe, and the Americas.



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The title of the speech given by Dr. Ventikos was “Oil Pollution from Maritime Transport: Analysis and Means of Confrontation”; in effect, the presentation covered topics such as marine accidents and operational mishaps yielding oil spills, oil spill statistics, risk analysis methodologies, oil spill response capabilities, oil response strategies, and oil spill cost. The presentation was given in Greek. After the presentation an interesting discussion took place regarding the aforementioned issues and useful comments were outlined for the strengthening of maritime transport.

The Encyclopedia of Earth (EoE)



Dr Nikos Ventikos was recently accepted as a Topic Editor for the Encyclopedia of Earth (<http://www.eoearth.org/>); the Encyclopedia of Earth

is an electronic reference about the Earth, its natural environments, and their interaction with society. In this outline, it is a free, expert-reviewed collection of articles written by scholars, professionals, educators, and experts and targets to all sort of groups including students, scholars, professionals and the general public. In particular, Dr Ventikos was added at the topic editor group of OCEAN-OIL; OCEAN-OIL is a peer-reviewed collection of scientific information and educational resources about the ‘Deepwater Horizon’ disaster and its broader energy and environmental issues. In this context, Dr Ventikos will deal with issues related to oil spill risk analysis, oil spill confrontation and relative means, and spill response strategies.

TRANSTOOLS 3 kickoff meeting

Assistant Professor Dimitrios V. Lyridis participated in the kickoff meeting of project TRANSTOOLS 3, which took place in Lyngby, Denmark. The objective of the project is to upgrade and further develop the current TRANSTOOLS model, to a new and improved European transport demand and network model (TT3). The project leader is the Technical University of Denmark (Department of Transport) and LMT participates as a partner. More details in a future issue of our newsletter.

IMO business: MBMs



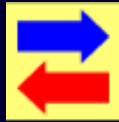
The third Intersessional Meeting of the Working Group on Greenhouse Gas Emissions from Ships took place from 28 March to 1 April 2011 under the chairmanship of Mr. Andreas Chrysostomou (Cyprus). More than 200 representatives from Member Governments and observer organizations participated in the five-day meeting. Professor Harilaos Psaraftis attended this meeting as a member of the Greek delegation. The purpose of this meeting was to consider the proposals on Market Based Measures (MBMs) that are on the table since 2010. It is reminded that Prof. Psaraftis was a member of the MEPC Expert Group on MBMs last year.

Although Greece has not submitted an MBM of its own, Greece’s comprehensive document (GHG WG 3/3), which was presented by Prof. Psaraftis suggested narrowing down the list of 10 MBM original proposals to just two groups: (i) the GHG International Fund proposal submitted by Cyprus, Denmark, the Marshall Islands, Nigeria and the International Parcel Tankers Association, and (ii) the 4 separate proposals by Norway, France, the United Kingdom and Germany, all



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based on an Emissions Trading Scheme (ETS). Among (i) and (ii), Greece expressed its strong support for group (i) and outlined the reasons for that preference.

After considerable discussion, the grouping of MBMs that was suggested by the Working Group consisted of 2 groups, group A including MBMs with only 'in sector reductions' and group B including MBMs with both in-sector and out-of-sector reductions. Group B thus included the GHG Fund and ETS MBMs and group A included all others. Developing countries including China, India, Brazil, Saudi Arabia, and South Africa expressed their opposition on the need for an MBM.

Greece's proposal to eliminate some MBM proposals so that the list is narrowed down will be forwarded to MEPC 62 for discussion. Actually MEPC 62, to be held in July, is expected to be most important for GHG developments, not only for MBMs but also as regards the Energy Efficiency Design Index (EEDI), which has been proposed for adoption as an amendment to MARPOL's Annex VI. Discussion on EEDI has not closed yet, as a number of issues remain open.

Greece's document GHG-WG 3/3, along with other IMO-related documents to which LMT has contributed can be downloaded from the following LMT site link:

<http://www.martrans.org/limo.htm>

Meetings and Events

attended by LMT staff

- InnoSuTra 2nd Dissemination Event, Athens, Greece, Jan. 21
- SuperGreen 2nd regional workshop, Antwerp, Belgium, Feb. 1
- SuperGreen General Assembly, Project Management Committee, EU review meeting, Brussels, Belgium, Feb. 2
- "2nd Annual Capital Link Greek Shipping Forum", Athens, Greece, Feb. 22
- Green corridors joint workshop, Malmoe, Sweden, March 9
- SuperGreen 3rd regional workshop, Malmoe, Sweden, March 10
- SuperGreen 4th regional workshop, Sines, Portugal, March 24

- Transtools 3 project kickoff meeting, Lyngby, Denmark, March 24 - 25
- 3rd Intersessional meeting of the Working Group on Greenhouse Gases, IMO, London, March 28 - April 1

Papers, presentations and speeches published / presented by LMT staff

- Ventikos N.P., Louzis K., Koimtzoglou A. (2010), "Shipwrecks vs. Environment in Greek Waters: Core Red or Fuzzy Alarm?", Proceedings of the 2010 Annual SRA Meeting: Risk Analysis in Action, Salt Lake City, Utah, CD-ROM



**LMT was the
2010 WINNER
of LLOYD'S LIST AWARD
for Achievement in Safety /
Environmental Protection**