

ENVIRONMENTAL EVENT

EMISSIONS CONTROL CO₂, SO_x, NO_x, PM



IMPACT on

Shipping, Shipbuilding and Port Industry
in Bulgaria, Black Sea and East Mediterranean

Varna, Bulgaria, 27 p.m. Tuesday -28 a.m. Wednesday of August

Organizer: Short Sea Promotion Centre Bulgaria

Co Organizer: Maritime Administration of Bulgaria



With kind support, contribution and assistance of:

Ministry of Transport- Maritime Administration of Bulgaria

Ministry of Environment- Air Quality Department

Bulgarian Association of Ship Brokers and Agents

Marine Cluster Bulgaria, Bulgarian Register of Shipping

European Short Sea Network - Short Sea Promotion Centers

Bureau VERITAS Bulgaria, GERMANISCHER Lloyd Bulgaria, Lloyd's Register EMEA Bulgaria,
RINA Services Bulgaria, Russian Maritime Register of Shipping – Bulgaria



Venue: Varna, Bulgaria, Maritime Administration Varna Headquarter "Primorski" blvd. N 3

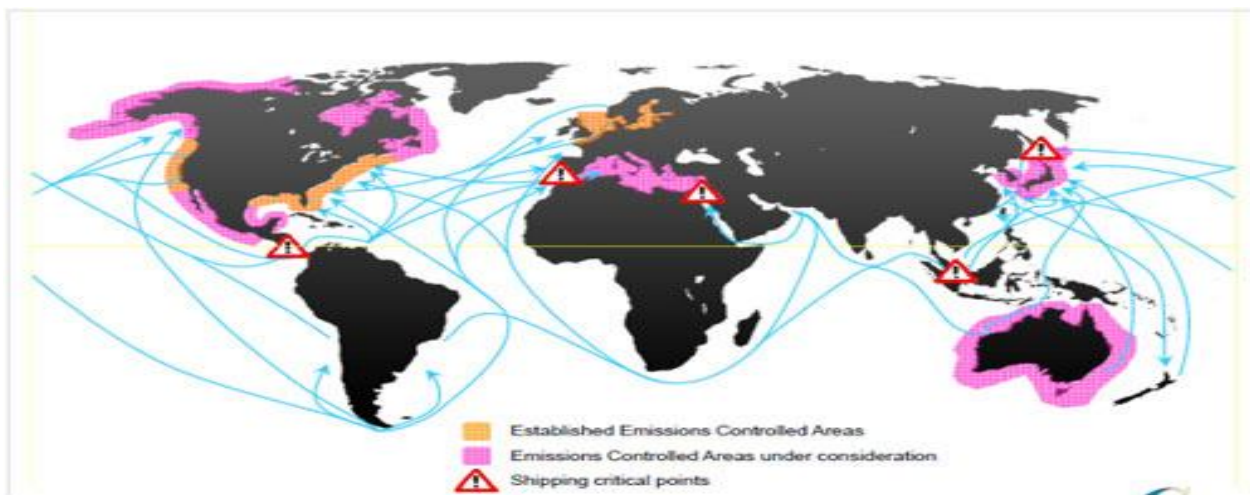
Dates: Tuesday 27 p.m. - Wednesday 28 a.m. of August

Are You Ready *for*

Emissions Control CO₂, SO_x, NO_x, PM



and for Emission Control Areas



Goals of the Environmental Event: Emissions Control Impact to Shipping

To inform on current and future emissions control impact on shipping and port industries

To exchange information about national regulations, government measures, solutions

To discuss modernization and harmonization of BG national legislation, make a national stakeholders platform regarding emissions control impact, preparation of national program for recovery Bulgarian shipping/shipbuilding industry

To give information about EU DG MOVE Project “ESN – the way forward”

WP 2 “Environment” ECA results / conclusions/ recommendations

FIRST DAY

Tuesday, 27 of August p.m.

Maritime Administration Varna Headquarter

12.00-13.00 Registration. Welcome coffee

13.00-13.15 Welcome speeches, **Mr. Valentin Enchev**, Director

Mr. Nikola Hristov, Chairman BASBA, **Mr. Rosen Kosturkov**, Chairman BAS

Mrs. Ilze Atanasova, Chairman Marine Cluster Bulgaria, **Mr. Huseyin Ertan**

13.15 -13.30

Introduction

Ministry of Transport / Ministry of Environment

Maritime Administration Bulgaria

13.30- 15.30

First Session - International and European Regulations, Directives and Guidelines

Emissions Control CO₂, SO_x, NO_x, PM . International and European Regulations, Directives and Guidelines. IMO Marpol Annex VI. IMO MEPC Resolutions. IMO MBMs, MRV, EGCS Guidelines. Directive 2012/33/EC on the sulphur content of marine fuels. The EU's shipping GHG reduction policy. Discussion about ECA for Mediterranean and Black Sea (2015 Marmara region). ECAs - from local to global. MBM Measures for shipping industry to adapt to the IMO / EU policy on environment protection. National legislation, Government measures. State/Investment Aid potential (Art.4f Directive 2012/33/EC) State / view points of competent authorities of Bulgaria, Romania, Turkey, Greece.

Speakers

Mr. Georgi Michailov,

Head Air Quality Department, Ministry of Environment, Sofia

Mr. Valentin Enchev,

Director Maritime Administration, Varna

Mr. George Naumof,

Senior Councilor Romanian Naval Administration, Bucharest

Mr. Huseyin Ertan,

Head International Affairs, Turkish Chamber of Shipping, Istanbul

Mr. Georgi Petkov,

Director SPC Bulgaria, Varna

15.30-16.00

Coffee break.Business network

16.00-17.30

Second Session – Green Ship 2020

Sulphur Directive.Sustainable Waterborne Transport Toolbox - the tools are technology neutral - "green" shipping technologies, new “green” ships, ”eco” ships.

ECA Retrofit Technology: EGCS Options, Technologies, Costs, Economics.

Leader Ship 2020 new strategy in the areas of innovation, greening, application of new technologies. Stakeholders‘ viewpoint re Emissions Control: Solution and Investments.

Best Practice/Experience: Examples of West European shipping / shipbuilding industry.

Today



Green Shipping



Short Sea Shipping



Tomorrow



Speakers

Mr. Joerg Lampe

Germanischer Lloyd SE (SO-EP), Hamburg

Mr. Steen Lemmergaard /Mr.Valentin Yankov

MAN Diesel/Turbo Marine Bulgaria

Mr. Ivan Karchev

Technical Department, Navbul, Varna

Mr. Yasen Dobrev

Executive Director, Bulgarian Register of Shipping, Varna

Mr. Georgi Petkov

Director SPC Bulgaria

Solutions

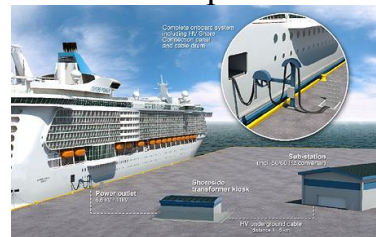
Scrubber



LNG as marine fuel



OPS in ports



17.30-18.00 Debate / Panel discussion, Q &A

18.30-19.30 Welcome drink. Business network

SECOND DAY

Wednesday, 28 of August a.m.

Maritime Administration Varna Headquarter

9.00-9.30 Welcome coffee. Business network

Third Session - Alternative fuels for shipping

9.30 -11.00 Clean Power for Transport: An European alternative fuels strategy. Directive on deployment of alternative fuels infrastructure- LNG, Methanol, ISMGO, shore side electricity. MBM Policy regarding investment and market development. Actions towards a comprehensive framework on LNG for shipping. LNG: Measures for the ship/ports industry to adapt to the IMO/EU policy on environment protection.

LNG in Black Sea and Med Ports and Inland /River ports Rhine- Danube waterway.

Economic aspects of LNG for shipping. Regional Market Development & Opportunities.

Available financial support: State Aid, MBM, EIB and other sources of funding re alternative fuels strategy implementation. LNG as Ship fuel; LNG as Ship cargo; LNG Port infrastructure - terminals, stations, bunkering.

Solutions

LNG Terminals



LNG Ro Ro



LNG Bunkering



LNG Feeder



Speakers

Mr. Andrea Cogiolo

Head R & D Department RINA, Italy, Roma

Mr. Dimitrios Pirounakis

R&D Department, Hellenic register of Shipping, Athens

Mrs. Tsvetelina Velinova

State Expert, Ministry of Transport, Sofia

Mr. Dimitar Baev

Deputy Director General, Bulmarket DM, Ruse

Mr. George Petkov

Director SPC Bulgaria, Varna

11.00-11.30 Coffee break. Business network

11.30-13.00 Bulgarian Round Table - Debate - Panel discussion, Q &A

Emissions Control Impact on Shipping Industry

National Bulgarian Stakeholders Environmental Forum for Emissions Control Impact

1. Establishment of National Stakeholders Club/Group on Emissions Control Impact
2. MBM Measures for Implementation of Control Emissions Standard from shipping
3. Preparation of the National Program for shipping/shipbuilding/marine industry recovers

Bulgarian Speakers

Stakeholder's contribution, statements and viewpoints on topics

Theme: National measures re IMO and EU Directives Regulation, Guidelines Control Emissions
Maritime Administration

Theme: Emissions Control: Impact on the Shipbuilding Industry; Bulgarian case
Mr. Boyan Boykov, Executive Director Bulyard Shipbuilding Industry

Theme: Emissions Control: Impact on the Shipping: National, Regional, Global
Mr. Todor Daskalov, Technical Director Navbul- Navigazione Maritime Bulgare

Theme: Emissions Control: Impact on the Med and Black sea Maritime Trade and Logistics
Mr. Nikola Hristov, Chairman Bulgarian Association of Ship Brokers and Agents

Theme: Emissions Control: Impact on the Marine Industry-Viewpoint of Marine Cluster
Mrs. Ilze Atanassova, Chairman of Marine Cluster Bulgaria

Theme: Emissions Control: Impact on Competitive and Future development
Mr. George Petkov, Director Short Sea Promotion Centre Bulgaria

Theme: Emissions Control: Options for restore of the Bulgarian shipping industry
Mr. Yasen Dobrev, Executive Director Bulgarian Register of Shipping

Theme: IMO Marpol Annex VI, MEPC Resolutions, EEDI, SEEMP Implementation
Mr. Michael Valkov, Director Bureau VERITAS Bulgaria

Theme: Future ECA Mediterranean/Black Sea. LNG Master Plan for Med & Black Sea
Mr. Kalin Panev, Director RINA Bulgaria

Theme: LR EMEA Activities on Emissions Control solution re shipping industry
Mr. Andrei Petkov, Director Lloyd Register Maritime Branch, Bulgaria

Theme: GL Rules and Regulations; GL Experience regarding LNG bunkering
Mr. Stilian Proykov, Director Germanischer Lloyd Bulgaria

Theme: Project Black Sea LNG : LNG Terminal in Port of Burgas and Port of Varna
Mr. Dian Dimov, Chairman Black and Azov Seas Ports Association