

WORKSHOP ON MODERNISATION OF DANUBE VESSELS FLEET

© NAVROM

The emission reduction limits set out in Non-Road Mobile Machinery Directive oblige vessel operators to reduce air pollutant emissions by using alternative fuels or installation of exhaust after-treatment systems from 1 January 2019 / 2020.

Inland navigation is an efficient, safe and environmentally friendly mode of transport. In order to further reduce the environmental impact and to improve the economic performance of Danube navigation, it is necessary to stimulate the modernisation of the Danube fleet. Several European projects have demonstrated that a whole range of innovative technologies is available to make Danube navigation even greener and more efficient (Liquefied Natural Gas, filtering technologies, journey planners, etc.).

The workshop will present the findings of these projects and combine them with the newest information on state-of-the-art technologies from technology providers and integrators as well as the hands-on-experience from deployment projects.

The goal of the workshop is to transfer newest know-how on available innovations for the modernisation of inland vessels to the Danube stakeholders and to inform about financing options.



This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 633929

WORKSHOP ON MODERNISATION OF DANUBE VESSELS FLEET

DATE / TIME: Wednesday, 18 April 2018, 9:30 – 17:00

VENUE: Tech Gate Vienna (The Stage)
Donau-City-Straße 1
1220 Vienna
Austria

Metro Station: U1 "Kaisermühlen – Vienna International Centre"



This project is funded
by the European Union

PRELIMINARY PROGRAMME

9:00 – 9:30	Registration & Coffee
9:30 – 10:00	Welcome & policy framework <i>Pro Danube Management (Manfred Seitz)</i> <i>Representative of the EC / DG MOVE (tbc)</i> <i>EUSDR PA1a – Working Group on fleet modernisation (Gert-Jan Muilerman, via donau)</i>
10:00 – 10:30	Inland vessel modernisation projects & initiatives <i>PROMINENT (Jaap Gebraad, STC)</i> <i>GREEN DANUBE (Markus Eppich, Pro Danube Management)</i> <i>INDanube (Lucia Karpatyova, Pro Danube Management)</i>
10:30 – 11:00	Non-Road Mobile Machinery (NRMM) Directive <i>Introduction to the requirements for the IWT sector & greening strategies and alternative fuels in the Netherlands (Khalid Tachi, EICB)</i>
11:00 – 11:30	Greening technologies and tools supporting decisions of vessel fleet owners <i>Assessment of greening technologies for IWT sector (Juha Schweighofer, via donau)</i> <i>Tools for emission and fuel consumption reduction of inland vessels (Erwin van der Linden, EICB)</i>
11:30 – 12:15	Diesel & diesel after-treatment solutions <i>Projects and experience on the Rhine (Kris van Mullem, Multronic)</i> <i>Marinised EURO VI Stage V engines - equivalent to Stage V NRMM (Sander Langenberg, Vink Diesel)</i> <i>Q&A</i>
12:15 – 12:45	LNG Infrastructure built-up in the Danube region <i>Availability of LNG & LNG fuelling infrastructure in the Danube countries (Manfred Seitz, Pro Danube)</i> <i>fuelCNG: L-CNG infrastructure in Slovakia (Peter Mozolak, SPP)</i> <i>LNG Hub Austria: L-CNG infrastructure in Austria (Thomas Plessnitzer; Rohöl-Aufsuchungs AG)</i>
12:45 – 13:45	Lunch break
13:45 – 15:45	LNG solutions for new-build and retrofit <i>Mono-fuel gas engines (Klaus Poepfel, MTU)</i> <i>Dual-fuel gas engines (Csaba-Paul Slavic, Wärtsilä)</i> <i>Integrated solutions & experiences (tbc)</i> <i>First-hand experience with LNG as fuel for inland vessels: “MS Ecoliner” (Stephan Stout, DAMEN)</i> <i>Q&A</i>
15:45 – 16:15	Coffee break
16:15 – 16:45	Funding & financing for inland vessels modernisation and greening <i>National support schemes & EU funding options (Lucia Karpatyova, Pro Danube Management)</i> <i>Other financing opportunities (tbc, EBRD & commercial banks)</i>
16:45 – 17:00	Feedback round and discussions <i>Moderated by Manfred Seitz (Pro Danube)</i>