

## Workshop on underwater noise propagation and impacts on marine life

Hybrid Meeting

Trieste | 15-16 October 2024

15 October | 09:00 - 17:30 CET

**Venue** Savoia Excelsior Palace - Riva del Mandracchio 4, 34124, Trieste Italy

Time	Description	Speaker
09:00-09:20	Arrival and Registration at the venue	
09:20-9:30	Greetings	
09:30-11:00	Lectures – ongoing EU projects *	Chair: <b>R. Bensow</b>
11:00-11:30	Coffee-Break	
11:30-13:15	Lectures – ongoing EU projects *	Chair: <b>A. Affatati</b>
13:15-14:10	Light lunch	
14:10-14:40	Panel: informative on EU and relevant frameworks - OSPAR, HELCOM, MSFD	<b>F. Borsani, P. Sigray, J. Tougaard</b> Chair: <b>A. Prospathopoulos</b>
14:40-16:30	Roundtable on mitigation measures**	Chair: <b>P. Sigray</b>
16:30-17:00	Coffee-Break	
17:00-17:30	Data management – consistency across projects	<b>K. Thomisch, A. Giorgetti</b> Chair: <b>G. Rivoira</b>
19:00	Aperitivo and Social Dinner – Pier Restaurant, Molo Venezia 1, 34123, Trieste	

16 October | 09:00 - 13:00 CET

**Venue** Savoia Excelsior Palace - Riva del Mandracchio 4, 34124, Trieste Italy

Time	Description	Speaker
09:00-11:00	Concurrent breakout session: (a) Modelling maps to address impacts (b) Process of defining LOBE (c) Mitigation and socioeconomics consequences	Chair: <b>R. Bensow</b> <b>A. Prospathopoulos</b> <b>L. Sivle</b> <b>J. Tougaard</b> <b>M. Scorrano</b>
11:00-11:30	Coffee-Break	
11:30-12:00	Feedback from breakout session	
12:00-13:00	Wrap-up, draft conclusive document	

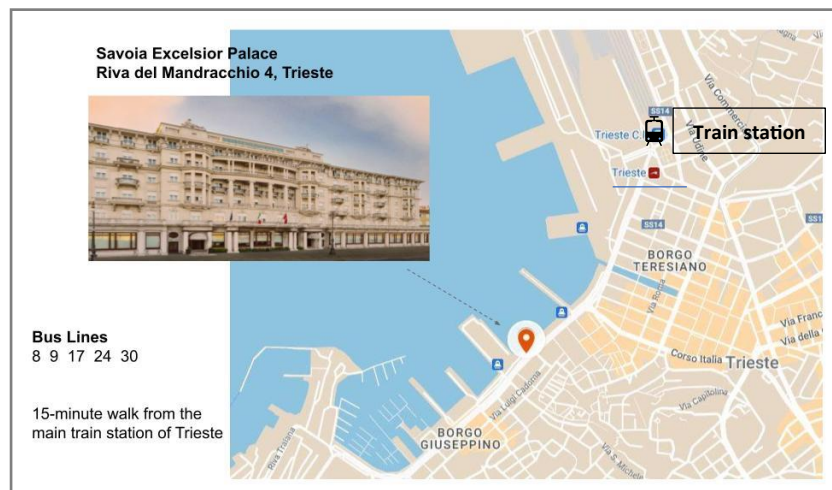
\* Participants to EU projects are invited to present their activities related to the object of this workshop, with special focus on open issues and potential solutions – 10/12 minutes each.

A brief presentation of the recently launched PURE Wind (JPIOceans) and DEMASK (Interreg North Sea) projects – <b>J. Schnitzler</b>	9:30 – 9:45
NAVISON: Shipping sound maps and sound energy densities of European seas from 2016 to 2050 – <b>O. Sertlek</b>	9:45 – 10:00
Propeller noise propagation in the sea environment including hull scattering, free surface and seabed effects – <b>K. Belibassakis</b>	10:00 – 10:15
SATURN: Ship URN mitigation by air injection – <b>T. Lloyd</b>	10:15 – 10:30
Sound measurement is good. Modeling also. But both are mandatory to make a decent sound map - <b>T. Folegot</b>	10:30 – 10:45
WindSound: regular monitoring and wind power underwater noise – <b>E. Lalander</b>	10:45 – 11:00

SONORA: Sound maps and pm – <b>J. Soriano</b>	11:30 – 11:45
Investigating the underwater sound in the Northern Adriatic Sea: the SOUNDSCAPE project – <b>M. Picciulin</b>	11:45 – 12:00
Extending SOUNDSCAPE perspective: the UNDERSEA and SATURN projects – <b>F. Madricardo, M. Ghezzi</b>	12:00 – 12:15
DIAPHONIA: Diagnostic framework to Assess and Predict the impact Of underwater Noise on mArine species – <b>D. Bertotto</b>	12:15 – 12:30
Deuteronoise Project: "Characterization of maritime traffic noise in Venice Lagoon" and "Impact of maritime traffic noise on marine invertebrate deuterostomes" – <b>G. Zambon</b>	12:30 – 12:45
Deuteronoise Project: Effects of underwater noise on marine Deuterostomes – <b>V. Zaffaroni Caorsi</b>	12:45 – 13:00
ORCHESTRA: ecOsystem Responses to Constant offsHorE Sound specTRA – <b>K. De Jong</b>	13:00 – 13:15

\*\* Roundtable interventions - time allocation is indicative and may vary depending on the discussion:

Environmental consequences of different ship mitigation policies: the Echo-Program example – <b>A. Wright</b>	14:40 – 15:10
SATURN project – Effects of slow-down and re-routing on the underwater soundscape - <b>J. Tougaard</b>	15:10 – 15:40
Perspectives from key players in maritime, shipbuilding, and offshore energy: <b>Fincantieri, RINA, Saipem, Wartsila</b>	15:40 – 16:10
New horizons in the underwater dimension: the contribution of the Italian Navy - <b>F. Casamassima</b>	16:10 – 16:30



La Conferenza è co-finanziata dal Piano Nazionale per la Ripresa e Resilienza (PNRR) Missione 4 Componente 2 Investimento 1.5. Creazione e rafforzamento di "Ecosistemi dell'innovazione per la sostenibilità" progetto "iNEST – Interconnected Nord-Est Innovation Ecosystem", Attività trasversale CC3 - CUP J43C22000320006 - Finanziato dall'Unione Europea, NextGenerationEU.