

Workshop on the Relationship between Energy Efficiency and Underwater Radiated Noise from Ships

18 and 19 September 2023

| Time | Agenda | Speakers |
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| DAY 1 September 18th | | |
| 9H30 | Opening Address to the Workshop Participants (15 min) | IMO /Chairs |
| 9H45 | Overview of the Format and Objectives (15 min) | Chairs |
| Theme 1 REDUCING GHG AND NOISE EMISSIONS: Setting the Stage | | |
| 10H | Introduction and Overview of IMO Energy Efficiency Work (15 min) | Sveinung Oftedal (Norway / Chair of ISWG-GHG) |
| 10H15 | Introduction and overview of IMO URN (15 min) | Michelle Sanders, Alternate Permanent Representative of Canada to the IMO |
| 10H30 | Q/A Plenary (10 min) | Plenary |
| 10H40 Health break (20 min) | | |
| 11H | Presentation on the findings and recommendations on the GHG-URN matrix. | Rienk Terweij, VARD Marine |
| 11H30 | Panel: perspectives on implementation of GHG and noise reduction strategies (1hr) | |
| | | Chris Waddington, International Chamber of Shipping |
| | | Madadh MacLaine, Zero Emissions Ship Technology Association (ZESTA) |
| | | Jim Covill, International Association of Classification Societies |
| | | Tom Smith, University College London |
| | | Kevin Reynolds, Glostern, naval architecture & marine engineering |
| | | John Maggs, Seas At Risk / Clean Shipping Coalition |
| Lunch break 12h30-2PM (1H30) | | |
| Theme 2 DESIGN AND TECHNOLOGY CHANGES AND IMPROVEMENTS TO REDUCE OVERALL EMISSIONS: What do we know about URN relationships? | | |
| 2PM | 15 min x up to 8 presenters (2H30) | Frans Hendrik Lafeber, MARIN |
| | | Lee B Kindberg, Maersk (TBC) |
| | | Yousef El Bagoury, CSL |
| | | Lars Eikeland, Oscar Propulsion |
| | | Mehmet Atlar, Gaters project |
| | | Arno Dubois, Silverstream Technologies |
| | | Tomaso Gaggero and Michele Viviani, Life PIAQUO project |
| | | Hongseok Jeong and Hanshin Seol, KRISO |
| 3H30 Health break (30 min) | | |
| 4H | Speakers contrn. (30 min) | |

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| 4h30PM | 1H panel | all speakers under Theme 2 |
| 5H30PM DAY 1 ENDING | | |
| Day 2 September 19th | | |
| 9H30 | Welcomes and report back from Day one to plenary (15 min) | Chairs |
| 9H45 | Opening Address (15 min) Indigenous knowledge & impacts of GHG-URN on their livelihood | Lisa Koperqualuk, Inuit Circumpolar Council (ICC) |
| Theme 3 OPERATIONAL MEASURES TO REDUCE OVERALL EMISSIONS: What do we know about URN relationships? | | |
| 10H | 15 min x up to 6 presenters (1H30) | Chanwoo Bae, BC Ferry |
| | | Derek White, Port of Vancouver |
| | | Mo Algermozi, GRAPHITE |
| | | Gavin Allwright, International Windship Association |
| | | Kevin Bartoy, Washington States Ferry |
| | | CLIA (TBC) |
| 11H30 Health break (15 min) | | |
| 11H45 | 45 min panel | all speakers under Theme 3 |
| Lunch break 12h30-2PM (1H30) | | |
| Theme 4: BRIDGING THE GAPS AND GOING TO SCALE: Building better information for integrated GHG and noise reduction | | |
| 2PM | 15 min x up to 5 presenters (1H15) | Thomas Folegot, Quiet Oceans |
| | | Bruce Anderson, Starcrest |
| | | Charlotte Rose Findlay, SATURN |
| | | Rene Taudal Poulson, Copenhagen Business School |
| | | Steven Reyersen, IMO GloNoise |
| | 30 min panel | all speakers under Theme 4 |
| 3H45 Health break (30 min) | | |
| 4H15PM | Plenary (1H) | <i>Plenary</i> |
| 5H15 | Conclusion and Next Steps | Chairs |
| 5H30PM DAY 2 ENDING/WORKSHOP CONCLUDE | | |