

ANNEX
TECHNICAL SEMINAR ON METHANE-BASED FUELS
PROGRAMME

Time	Presentation	Speakers
10:30-11:00	Welcome remarks by the Moderator	Ms. Linden Coppell Vice President Sustainability & ESG (MSC Cruises) Moderator
	Setting the Scene – IMO's ruleset and policies relevant for the use of methane-based fuels	Secretariat
State-of-play of the current and projected use of methane-based fuels in shipping, developments in production pathways and on-board technology <i>(Each presentation will be followed by Q&A)</i>		
11:00-11:30	Reducing methane emissions across the LNG value chain: learnings from the oil and gas sector	Ms. Justine Roue (Oil and Gas Climate Initiative (OGCI))
11:30-12:00	Scaling e-NG/e-LNG: Global production trends, challenges and integration into maritime fuel pathways	Ms. Mariana Tostes and Mr. Rafik Ammar (e-NG Coalition)
12:00-12:30	Methane emissions from LNG ships: measurements from engines, fugitives and vents	Prof. Paul Balcombe (ICCT)
12:30-14:00	Lunch break	
14:00-14:30	From waste to wake: Scaling bio-LNG for a net-zero maritime sector	Ms. Giulia Cecarelli (World Biogas Association)
14:30-15:00	Bio-methane potential: a scalable market-ready drop-in solution for immediate maritime defossilization	Mr. Alessandro Gardemann (Brazil Biogas Association)
15:00-15:30	Technological developments, future scalability, and innovations in biomethane and bio-LNG in the United States	Mr. Ryan Harb (American Biogas Council)
15:30-16:00	LNG/methane bunkering: experience and future outlook	Dr. Alexandra Ebbinghaus (Shell) and Mr. Ian Aitchison (SEA-LNG)
16:00-16:30	Coffee break	
16:30-17:00	The Methane Abatement in Maritime Innovation Initiative (MAMII) – Practical learnings and a technology update on methane emissions in maritime	Mr. Panos Mitrou (Lloyds Register)
17:00-17:30	WinGD's X-DF low-pressure dual-fuel marine propulsion engines technology – minimising methane emissions and general environmental footprint	Dr. Dirk Kadau (WinGD)