

IEA Bioenergy TCP ExCo96 Workshop

Zero Emission Shipping

[With focus on deep sea and intercontinental shipping]

Contribution of biofuel options in the upcoming international regulatory landscape

19 November 2025, Research Council of Norway, Lysaker

9:00-9:30	Registration and Welcome Coffee/Tea	
9:30-10:30	Opening and Welcome Session - Setting the Scene	
	Mark Brown IEA Bioenergy TCP Chair	Introduction to the workshop topic and purpose
	Tristan Smith -UCL	The maritime sector by numbers - energy and climate (focus on deep sea/intercontinental volumes and market structure in 2030 and 2050) (Online presentation)
	Øyvind Sekkesæter - DNV	Details of the new regulatory IMO 'Net-Zero Framework' landscape and the role of biofuels
	Andrew Klain - IEA, Renewable Energy Division	Shipping in the World Energy Outlook 2025?
10:30-10:50	Break	
10:50-13:00	Session 1: Policy Overview and Industry perspectives - reflections on upcoming regulatory landscape towards zero emission shipping	
	William Nygaard - Mission Innovation Zero Emission Shipping	Public-private partnerships as an important tool in the green shipping transition
	Luciana Salvatore - Petrobras	Perspective as fuel producer and as fuel supplier
	Tom Johnsen - Norwegian Ship Owners Association	Reflection on the new regulatory landscape
	Kaj Portin - Wärtsilä	Perspective on upcoming propulsion systems and energy carriers in the near future and on the role for liquid and gaseous biofuels
	Sophie Delannoy - North Sea Port	Moving forward to Net Zero Shipping, a perspective from North Sea Port
	Blair Culph - Zespri International Ltd.	Green Corridors - enabler for low Carbon shipping of consumer products (video presentation)
13:00-14:00	Lunch Break	

14:00-16:00	Session 2: Portfolio overview of sustainable biofuels and energy carriers for delivering low Carbon Intensity performance		
	Tom Walsh -Renetech / IEA Bioenergy Task 39	Lowering Hinders for biofuels in maritime sector	
	Duncan Akporiaye - Sintef	Developments in Liquefaction routes to biofuels and other renewable fuels	
	Bernhard Drogg - BOKU / IEA Bioenergy Task 37	The role of biomethane in a scenario with increased liquid methane fuelled vessels	
	Roland Verhe - University of Gent	Lipid based biofuel performance from large-scale engine test operations.	
	Paul Bennett - Biowave	Perspectives of advanced lignocellulosic marine fuels (catalytic pyrolysis bio-oil drop in)	
	Glaucia Mendes Souza - University Sao Paolo / IEA Bioenergy Task 39	How to identify a sustainable biofuel for decarbonization of the transportation sector	
16:00-16:20	Break		
16:20-17:20	Panel Discussion best way forward: which technology innovation and investment roadmap to follow		
	Moderator: Mark Brown		
	Panellists: Andrew Klain, William Nygaard, Luciana Salvatore, Kaj Portin, Sophie Delannoy, Tom Walsh		
17:20-17:30	Workshop Conclusion and Closure - Eric van den Heuvel, Technical Coordinator IEA Bioenergy		
17:30-18:30	Informal Networking and information discussion		

