

IEA-HIA Task 39 Expert Meeting 20–21 September 2018, Trieste, Italy

Agenda

Day I: Thursday 20 September 2018 (12:00 – 17:30) in Molo IV Trieste, Sala Auditorium		
Time	Topic	Presenter
12:00	Welcome buffet	
13:00	Welcome and introduction to IEA-HIA Task 39	Ingrid Schjøberg, NTNU Ilaria Garofolo, University of Trieste Rodolfo Taccani, Univ. of Trieste

Session I – Marine application of fuel cells: opportunities for propulsion and auxiliaries

13:40	Benefits and constraints - an overview with the shipbuilder	Paolo Guglia, Fincantieri
14:00	Hydrogen as marine fuel and latest technology developments	Andrea Zotti, Wärtsilä
14:20	The regulatory approach, current scenario and future developments	Marius Leisner, DNV GL
14:40	Fuel cells in marine application – Fuel cell system supplier's perspective	Henri Karimäki, PowerCell
15:00	Coffee break	

Session II – Funding at EU level and technical-commercial insight

15:30	Studying RCS for H2 FC ships, do project demonstrators suffice?	Lionel Boillot, Fuel Cells and Hydrogen Joint Undertaking
15:50	Energy efficiency activities through dedicated EU projects: SUPAIR, TalkNET, METRO	Elisabetta Scala, Port Network Authority of the Eastern Adriatic Sea, Ports of Trieste and Monfalcone
16:10	Hydrogen and Fuel Cells in California Ports & Shipping	Cory Schumaker, CHBC - California Hydrogen Business Council
16:30	Discussion	All
17:15	Cocktail	

Organizers

Day II: Friday 21 September 2018 (09:00 – 15:00) at Wärtsilä (15 km of Trieste)

Time	Topic	Presenter
09:00	Introduction	Ingrid Schjølberg, NTNU
09:10	Introduction of participants	All

Session I – Marine application of fuel cells: Knowledge gaps

09:20	Hydrogen as fuel for Wärtsilä gas engines	Kaj Portin, Wärtsilä
09:40	Safety codes and standards- knowledge gaps	Olav R. Hansen, LR
10:00	MARANDA Project	Antti Pohjoranta, VTT
10:20	Coffee break	

Session II – Latest news on ongoing projects and research opportunities

10:50	Let's Navigate towards Zero-Emission Shipping	Maria Fennis, Nedstack
11:10	Hydrogen as an energy vector: A possible solution to bulk power linkage	Teresa J. Leo and Rafael d'Amore-Domenech, Universidad Politécnica de Madrid
11:30	Hydrogen to propel vessels supporting activities at offshore industrial installations	Raffaella Gerboni, Politecnico di Torino
11:50	Discussions	All
12:20	Practical matters: next meeting, etc.	Ingrid Schjølberg, NTNU
12:30	Lunch and end of Meeting Day II	
13:30	Tour at Wärtsilä	
14.40	End of tour	

Event in the framework of



Organizers

