

**DAY 1 | 20 April 2022, 11:00 – 17:00**

<b>11:00 – 12:00</b>	<b>Registration</b>
<b>12:00 – 13:30</b>	<p><b>Welcome and overview of workshop objectives and structure</b></p> <p>Welcome by WMU President Dr. CLEOPATRA DOUMBIA-HENRY</p> <p><i>Group photo</i></p> <ul style="list-style-type: none"> <li>• Introduction by Prof. Aykut I. Ölçer, Director of Research, WMU</li> <li>• Introduction to NER and the Nordic Research Programme on Sustainable Maritime Fuels and Efficiency: Svend Søyland, NER <ul style="list-style-type: none"> <li>• IMO policy context: Roel Hoenders, IMO</li> </ul> </li> </ul>
<b>13:30 – 15:30</b>	<b>Session A – Ammonia and hydrogen as fuels</b>
	<ul style="list-style-type: none"> <li>• Speaker 1: Topic 1 (AEGIR)</li> <li>• Prof. Xue-Song Bai: Concepts of ammonia/hydrogen engines for marine application – CFD modelling (CAHEMA) <ul style="list-style-type: none"> <li>• Speaker 3: Topic 3 (HOPE)</li> <li>• Speaker 4: Topic 4 (AEGIR)</li> </ul> </li> <li>• Speaker 5: Topic 5 Prof. Terese Løvås: The combustion chemistry of hydrogen and ammonia and its experimental validation (CAHEMA) <ul style="list-style-type: none"> <li>• Speaker 6: Topic 6 (HOPE)</li> </ul> </li> </ul>
<b>15:30 – 17:00</b>	
<b>17.00</b>	<b>Closing remarks</b>

**DAY 2 | 21 April 2022, 09:00 – 12:30**

<b>8:30 – 09:00</b>	<b>Coffee</b>
<b>9:00 – 10:30</b>	<b>Session B – Energy conversion of ammonia and hydrogen</b>
	<ul style="list-style-type: none"> <li>• Speaker 7: Topic 4 (AEGIR)</li> <li>• Speaker 8: Dr. Ossi Kaario: Experimental study of ammonia spray injection and combustion (CAHEMA) <ul style="list-style-type: none"> <li>• Speaker 9: Topic 6 (HOPE)</li> </ul> </li> </ul>
<b>10:15 – 10:30</b>	<b>Coffee break</b>
<b>10:30 – 12:00</b>	<b>Session C – Environmental and economic considerations</b>
	<ul style="list-style-type: none"> <li>• Speaker 10: Topic 7 (AEGIR)</li> <li>• Dr. Tuan Dong: Life-Cycle impacts of ammonia and hydrogen as maritime fuels <ul style="list-style-type: none"> <li>• Speaker 12: Topic 9 (HOPE)</li> </ul> </li> </ul>
<b>12:00 – 12:30</b>	<b>Conclusions</b>

