



1st FAMOS Training School - Preliminary Programme

School of Engineering, Florence University, Florence, Italy – 14th-18th July 2025

Day 1 - 14th July 2025 Ocean Waves	Day 2 - July 15th 2025 Marine Renewables and Converters	Day 3 - July 16th 2025 Floating Structures	Day 4 - July 17th 2025 Stakeholder Participation in the Sustainable Business Strategy	Day 5 - July 18th 2025 Invited lecturers
8:30-9:00 Registration of participants	9.30 – 11.00 Lecture: Wave Energy and Converters (I. Simonetti)	9.30 – 10:00 Lecture: history and future perspectives of very large floating breakwaters (L. Cappiotti)	09.30 – 11.00 Lecture: Foundational understanding of stakeholder participation in sustainable business strategies (A. Wagner)	9.30 – 11.00 Invited lectures
09.00 – 9.30 Opening Ceremony		10.00 – 11:00 Lecture: Wave energy transmission at a very large floating box-type breakwater (Z. Liu)		
9.30 – 11.00 Lecture: Observation, Description, Short- and Long-term Statistics of Ocean Waves (L. Cappiotti)				
11.00 – 11.30 Coffee break	11.00 – 11.30 Coffee break	11.00 – 11.30 Coffee break	11.00 – 11.30 Coffee break	11.00 – 11.30 Coffee break
11.30 – 13.00 Lecture: The Copernicus Services, different data sourced and packages, considerations for installing an offshore structure (G. Nikolaidis)	11.30 – 13.00 Lecture: Advances in offshore floating solar energy (Z. Jiang)	11.30 – 13.00 Lecture: Oscillatory flow around a cylinder at low Keulegan-Carpenter and Reynolds numbers (X. Wang)	11.30 - 13.00 Hands-on Workshop: Developing practical skills in stakeholder mapping and engagement using interactive modules (T. Rudek)	11.30 – 13.00 Invited lectures
13.00-14.30 Lunch break	13.00-14.30 Lunch break	13.00-14.30 Lunch break	13.00-14.30 Lunch break	13.00-14.30 Lunch break
14.30 – 15.30 Hands-On workshop: Measurements and short-term statistics of ocean waves in a wave-flume (A. Esposito)	14.30 – 15.30 Lecture: Modelling and optimization of platforms for floating wind turbines (E. Marino and G. Ferri)	14.30 – 15.30 Lecture: Mooring design for floating wind turbines (Z. Jiang)	14.30 – 15.30 Hands-On workshop: Group Task: To apply the knowledge and skills gained during the session to a real-world-inspired case study (A. Wagner and T. Rudek)	14.30 – 16.30 FAMOS project: Advisory Board Meeting
15.30 – 16.30 Hands-On workshop: Data processing for a region of interest; Choosing location for Installing a structure and technoeconomic analysis (G. Nikolaidis)	15.30 – 16.30 Hands-On workshop: Analysis of energy productivity of selected wave energy converters in given ocean sites (I. Simonetti)	15.30 – 17.30 Hands-On workshop: Analysis of energy productivity of a floating solar energy system in a given ocean site (Z. Jiang and X. Wang)	15.30 – 16.30 Lecture: Anlysis of combined marine energy systems (C. Michailides)	
	16.30 – 17.30 Visit of LABIMA Laboratory – Tests on a floating box-type breakwater scale-model	20:00-23:00 Social dinner		