



Summer School

14-18 July 2025
School of Engineering
Room 138 - 1st Floor

Università degli
Studi di Firenze

Florence
Italy

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Dipartimento di
Ingegneria Civile
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**Sustainable Blue
Economy Partnership**



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University of Cyprus
Oceanography Centre



UiA University of Agder
Norway



**JAGIELLONIAN UNIVERSITY
IN KRAKÓW**



**2021
2030** United Nations Decade
of Ocean Science
for Sustainable Development

FAMOS has received the Ocean Decade Endorsement, an UNESCO recognition that rewards innovative ideas for addressing major marine challenges and contributing to advancing ocean knowledge.

Day 1 - 14th July 2025

Ocean Waves

Time	Activity	Details
8:30-9:00	Registration of participants	
9:00-09:30	Opening Ceremony	
9:30-11:00	Lecture	Observation, Description, Short- and Long-term Statistics of Ocean Waves (L. Cappietti, University of Florence, Italy)
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, University of Cyprus, Cyprus)
13.00-14.00	Lunch Break	
14.00-14.30	Lecture	The Princess Elizabeth Island project (A. Palha & J. Sinner, European Bank of Investments)
14.30-15.00	Lecture	The Sustainable Blue Economy Partnership (A. Boncompagni, SBEP)
15.00-15.30	Lecture	The Ocean Decade: Ambition, Action, Impact and the Road Ahead (L. Meyer, Decade Coordination Unit, UNESCO-IOC)
15.30-16.00	Coffee Break	
16.00-17.00	Hands-on Workshop	Data processing for a region of interest: Choosing location for Installing a structure and technoeconomic analysis (G. Nikolaidis, University of Cyprus, Cyprus)

Day 2 - 15th July 2025

Marine Renewables & Converters

Time	Activity	Details
9:30-11:00	Lecture	Wave Energy and Converters (I. Simonetti, University of Florence, Italy)
11:00-11:30	Coffee Break	
11:30-13:00	Lecture	Advances in offshore floating solar energy (Z. Jiang, University of Agder, Norway)
13:00-14:30	Lunch Break	
14:30-15:30	Lecture	Modelling and optimization of platforms for floating wind turbines (E. Marino & G. Ferri, University of Florence, Italy)
15:30-16:30	Lecture	Research and Applications of Offshore Energy Islands and Marine Renewables (Z. Liu, University of Florence, Italy)
16:30-16:40	Coffee Break	
16:40-17:40	Visit to LABIMA Laboratory	Introduction to laboratory practice and tests on a floating box-type breakwater model (A. Esposito, University of Florence, Italy)

Day 3 - 16th July 2025

Floating Structures

Time	Activity	Details
9:30-10:00	Lecture	History and future perspectives of very large floating breakwaters (L. Cappietti, University of Florence, Italy)
10:00-11:00	Hands-on Workshop	Analysis of energy productivity of selected wave energy converters in given ocean sites (I. Simonetti, University of Florence, Italy)
11:00-11.30	Coffee Break	
11.30-13:00	Lecture	Oscillatory flow around a cylinder at low Keulegan-Carpenter and Reynolds numbers (X. Wang, University of Agder, Norway)
13.00-14.00	Lunch Break	
14.00-15.00	Lecture	Mooring design for floating wind turbines (Z. Jiang, University of Agder, Norway)
15.00-15.30	Coffee Break	
15.30-17.30	Hands-on Workshop	Analysis of energy productivity of a floating solar energy system in a given ocean site (Z. Jiang & X. Wang, University of Agder, Norway)

Day 4 - 17th July 2025

Stakeholder Participation in the Sustainable Business Strategy

Time	Activity	Details
9:30-11:00	Lecture	Foundational understanding of stakeholder participation in sustainable business strategies (A. Wagner, Jagiellonian University, Poland)
11:00-11.30	Coffee Break	
11.30-13:00	Hands-on Workshop	Developing practical skills in stakeholder mapping and engagement using interactive modules (T. Rudek, Jagiellonian University, Poland)
13.00-14.00	Lunch Break	
14.00-14.30	Lecture	Regulating complex offshore energy projects, some Norwegian inspiration (I. Herrera Anchustegui, University of Bergen, Norway)
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 & T. Rudek, Jagiellonian University, Poland)
15.30-16.00	Coffee Break	
16.00-17.00	Lecture	Analysis of combined marine energy systems (C. Michailides, International Hellenic University, Greece)
20.00	Social Dinner	

Day 5 - 18th July 2025

Invited Lecures & Advisory Board

Time	Activity	Details
9:30-11:00	Lecture	Fundamentals of SPH method for simulating floating structures (C. Altomare, Universitat Politècnica de Catalunya, Spain)
11:00-11.30	Coffee Break	
11.30-12:00	Lecture	MODENERLANDS: synergies in Research, Education and Training (C. Rebelo, University of Coimbra, Portugal)
12:00-12:30	Lecture	Artificial Islands in International Law (L. Magi, University of Florence, Italy)
12:30-13:00	Lecture	Autonomous Ships and Floating Islands: Legal Frameworks for a Maritime Future (B. Stępień, Jagiellonian University, Poland)
13:00-14.30	Lunch Break	
14:30-16:30	FAMOS Project Advisory Board	



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Floating islands for a sustainable future



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