



## Summer School INEST 2025 Second edition (in English)

### Sustainability and Digitalization in the Blue Economy

July 20 – 26, 2025

University of Trieste, Italy

**A multidisciplinary immersion in sustainability and digitalization will offer students a transversal, in-depth study of scientific, technological, and economic themes applied to the blue economy industry.**

**Participants:** Master's or PhD students in the scientific areas and the social and economic sciences.

**Costs included:** course registration, 5 lunches from July 21 to 25, accommodation for participants in double rooms in Solun Hotel (6 nights, from July 20 to 26, breakfast included - <https://hotelsolun.it/it/>), networking meetings (July 21 and 24). Travelling to and from Trieste is not included.

**Final certificate and credits:** to enrich your curriculum, at the end of the summer school, a certificate of participation corresponding to 50 hours and 6 credits will be issued to students with a positive evaluation, which may be recognized by the University of origin (the decision is made at the discretion of your course coordinator).

**How to enroll:** To participate, fill out the following registration form **by June 13:** [REGISTRATION FORM](#)

For information, write to [donata.vianelli@deams.units.it](mailto:donata.vianelli@deams.units.it). Participation is limited to 26 students. Admissions will be confirmed by June 18.

### PROGRAM 2025

#### July 20, Sunday

Arrival of participants in Trieste and accommodation in the hotel (<https://hotelsolun.it/it/>)

#### July 21, Monday

9.00 - 9.30	Institutional greetings, Pierluigi Barbieri, Cristina Pedicchio, Donata Vianelli, Giorgio Sulligoi, Alberto Marinò
9.30 - 11.00	Sustainability and digitalization in port systems, Romeo Danielis
11.30 - 12.15	Seashore intermodality in ports, Giovanni Longo
12.15 - 13.00	Ports and decarbonization in economic perspective: challenges and opportunities, Giuseppe Borruso
13.00 - 13.45	Lunch and departure from UNITS by bus at 2 p.m.
14.30 - 17.30	Visit Groupe Beneteau Italy, Monfalcone (GO) with Prof. Alberto Marinò and Donata Vianelli
18.30 - 19.30	Convivial and networking meeting





## July 22, Tuesday

- 8.30 | Meet and depart from the Bus Station, Largo Città di Santos, Trieste
- 9.00 - 12.30 | Visit to the Port of Trieste, with Prof. Giovanni Longo and Alberto Marinò
- 13.00 - 13.45 | *lunch*
- 14.00 - 15.30 | Strategies for increasing the sustainability of maritime transport toward decarbonization of naval assets, Vittorio Bucci, Luca Braidotti and Alberto Marinò  
| Digital evolution of ship design and production processes, Vittorio Bucci, Serena Bertagna and Alberto Marinò
- 16.00 - 17.30 | The digital transformation of energy and marine systems, Andrea Alessia Tavagnutti and Giorgio Sulligoi

## July 23, Wednesday

- 9.00 - 10.30 | The Copernicus Marine Service, Stefano Salon and Gianpiero Cossarini
- 11.00 - 12.30 | From the Copernicus Marine Service to the North Adriatic's Digital Twin, Stefano Querin
- 12.30 - 13.30 | *Lunch and departure from UNITS by bus at 1:40 p.m.*
- 14.15 - 15.45 | Visit to the "Giovanni Randaccio" Aqueduct in San Giovanni di Duino
- 16.30 - 18.00 | Visit to the Purifier-AcegasApsAmga, with Daniele Bosich and Alberto Marinò

## July 24, Thursday

- 9.00 - 10.30 | Introduction to neural networks,
- 11.00 - 12.30 | Machine Learning for Digital Twins: applications to the Blue Economy, Luca Manzoni
- 12.30 - 13.30 | *Lunch and departure from UNITS by bus at 1:40 p.m.*
- 14.30 - 18.00 | Visit to the Monfalcone Plant of Fincantieri SpA, with Alberto Marinò
- 20.00 - 22.00 | *Convivial meeting and networking*  
*Società Triestina della Vela - Pontile Istria, 8, Trieste*

## July 25, Friday

- 9.00 - 13.00 | Workshop and teamwork, with Andrea Giacomelli and Chiara Ambrosi  
| *lunch*
- 14.00 - 16.00 | Final presentations and conclusion of the workshop  
Final certificates of participation and evaluation,  
Andrea Giacomelli, Chiara Ambrosi, Alberto Marinò, Cristina Pedicchio

## July 26, Saturday

Hotel Check-out and departure from Trieste

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Autorità di Sistema Portuale  
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Porti di Trieste e Monfalcone



Istituto Nazionale  
di Oceanografia  
e di Geofisica  
Sperimentale



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