



Friday
9th
JULY
09:30 – 12:30
CEST

**EUSAIR INVESTMENT IN SKILLS AND EDUCATION:
WHICH ROADMAP FOR A MORE SUSTAINABLE BLUE
ECONOMY IN THE ADRIATIC-IONIAN REGION?**

UniAdrion Perspective on

**“Blue Skills focusing
on sustainable ship
and boat-building
in the AI Region”**

David Scaradozzi
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In cooperation with





8

COUNTRIES

39

UNIVERSITIES
MEMBERS

750k

STUDENTS

49k

STAFF

Thematic tables

1. Blue growth
2. Connecting the region
3. Environmental quality
4. Sustainable tourism
5. Societal challenges
6. Economic and policy analysis



**ISME – Italian InterUniversity centre
for Marine Environment**

ISME's Know How

1. Human Machine Interfaces for inspection and **real-time documentation**
2. **Artificial Intelligence, Control and Optimization**, Intervention, Energy Harvesting and Multi-Agents Mission Planning
3. Localization, Communication, MPA and Cultural Heritage
4. Aquaculture, Water Analysis and **Energy Harvesting**
5. **Educational Robotics, Ocean Literacy**



GENOVA
Legal Headquarter



BOLOGNA



FIRENZE



CASSINO



COSENZA



ROMA



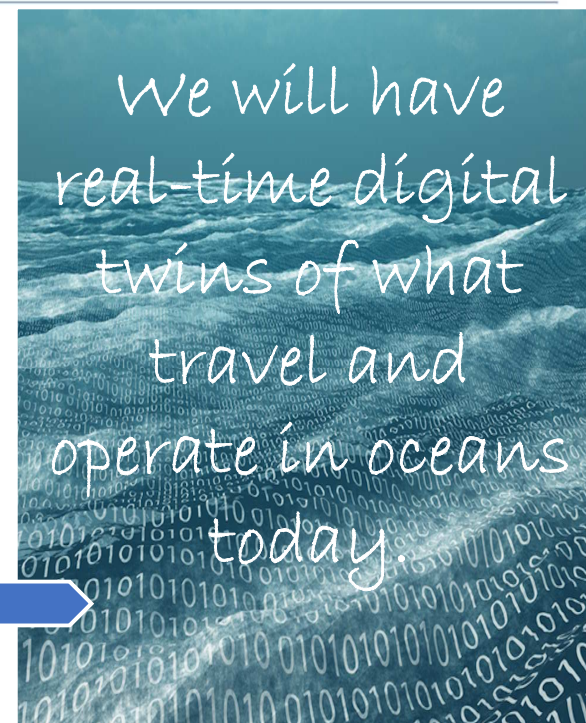
PISA



LECCE



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As universities and research centers, our main focus is
«Improving skills for Marine monitoring, modelling and Intervention»

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As universities and research centers we will have to create new know-how

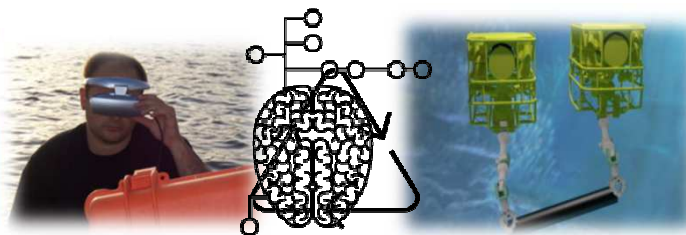
«at the designers level»

1. Artificial Intelligence and Cyber Physical Systems design
2. Model/Hardware/Software in the Loop for Advanced Design Optimization
3. Rapid Prototyping and Functional Design
4. Ethics by design



«at the operators level»

1. Artificial Intelligence for training
2. Cyber Physical Systems simulations
3. Serious gaming scenarios for critical situation avoidance



«at the maintenance technician/engineering level»

1. Faults detection
2. In the field vessels and propulsion innovation
3. Continuous efficiency improving
4. Better knowledge of green engines and their effect
5. Green Efficiency monitoring during the vessel entire lifetime.

