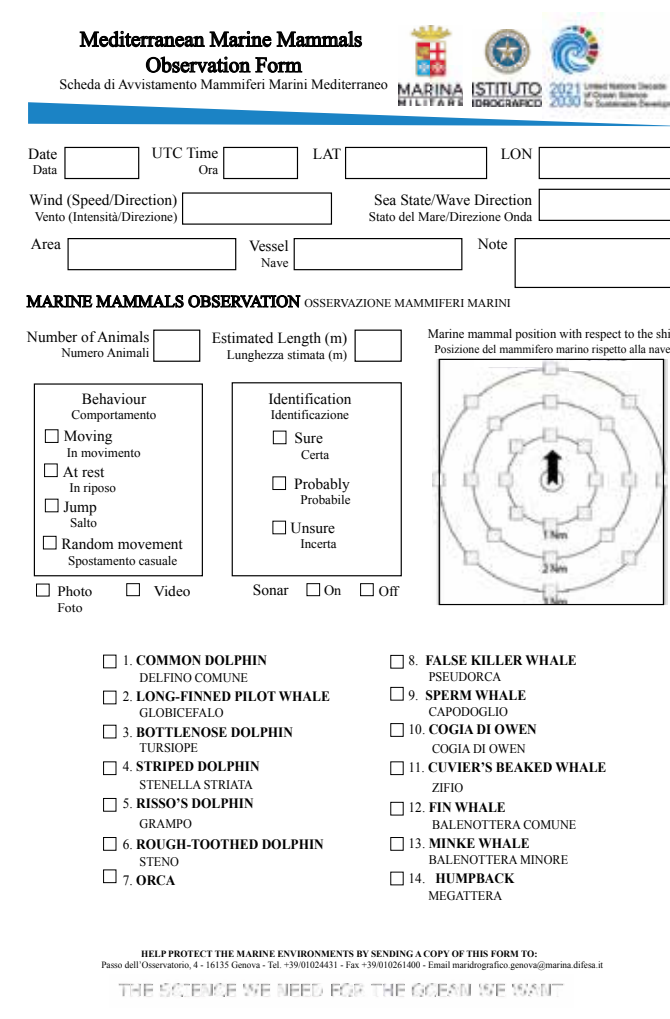


Projects in progress onboard

1 Cetaceans distribution worldwide

Dept. of Earth, Environmental and Life Sciences (DISTAV) in co-operation with the International Center on Environmental Monitoring (CIMA)

- Protocol for data collection
- Observation training for the crew
- Analysis of species distribution
- Role of environmental factors



4 Rope Checker

Department of Mechanical, Energy, Management and Transport Engineering (DIME)

- Automatic process to inspect and assess the residual durability of ropes → waste reduction
- Based on image acquisition with specific sensors
- Support to human-eye evaluation



2 Water vapor tracking during navigation

Department of Civil, Chemical and Environmental Engineering (DICCA)

- Data Base of water vapor estimates coming from GNSS and meteorological observations
- Water vapor tracking on oceans (not usually covered with in-situ observations)
- Validation and trigger for existing meteorological models



5 International contest A-MARE

Department of Architecture and Design (DAD)

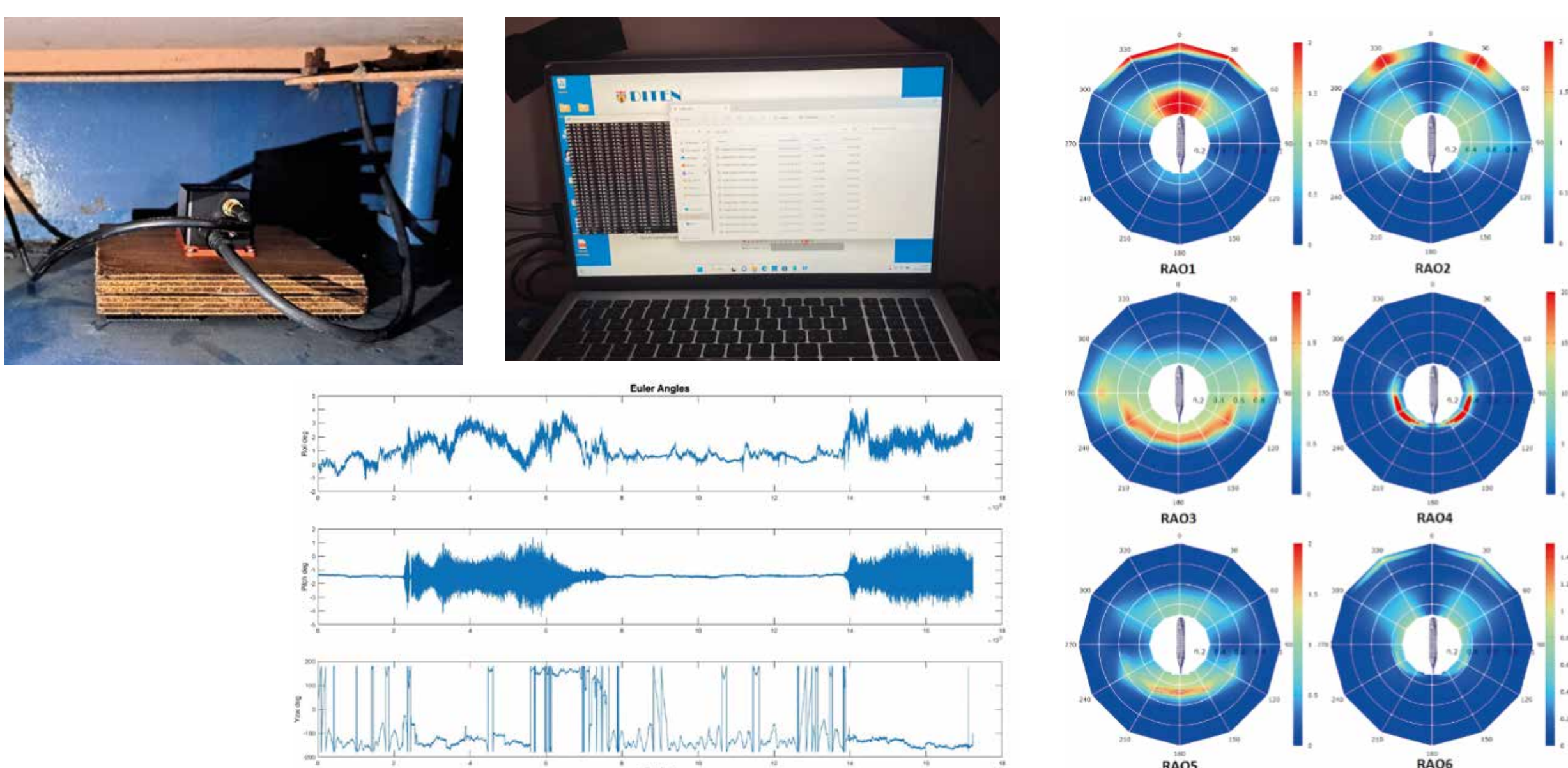
- Award for the most effective communication on "love and preserve the sea"
- 20 selected drawings, videos, posters, street arts.



3 Ship motion monitoring

[Department of Naval, Electric, Electronic and Telecommunication Engineering (DITEN)]

- Measurement of ship motions during navigation
- Validation of theoretical models
- Monitoring of sea actions



6 Multilingual and Intercultural glossary

Research center in multi-language terminology (CERTEM)

- Multilingual glossary of 100 sailing terms (Italian, French, English, Spanish, German, Russian, Arabic and Chinese)
- Multimedia term sheets for dissemination



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