



From project to ocean: First ITINERIS glider-based insights in the Ligurian sea

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IR0000032 – ITINERIS, Italian Integrated Environmental Research Infrastructures System
(D.D. n. 130/2022 - CUP B53C22002150006) Funded by EU - Next Generation EU PNRR-
Mission 4 “Education and Research” - Component 2: “From research to business” - Investment
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Finanziato
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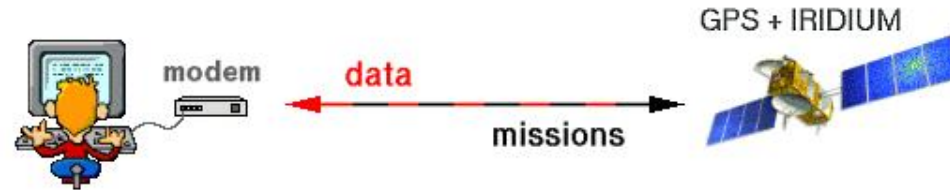


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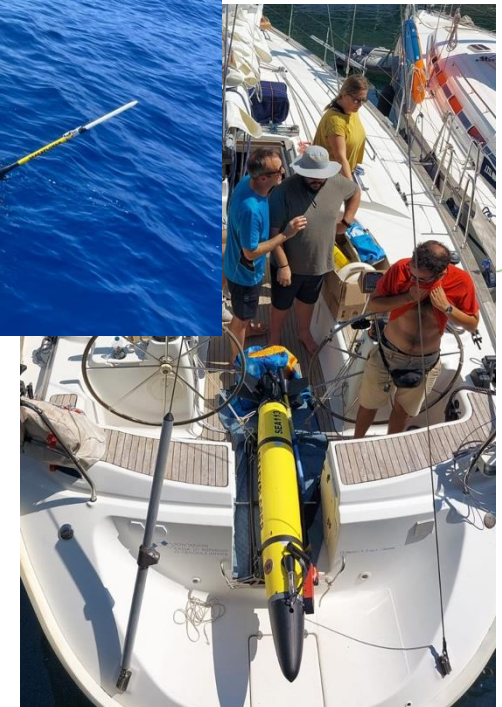
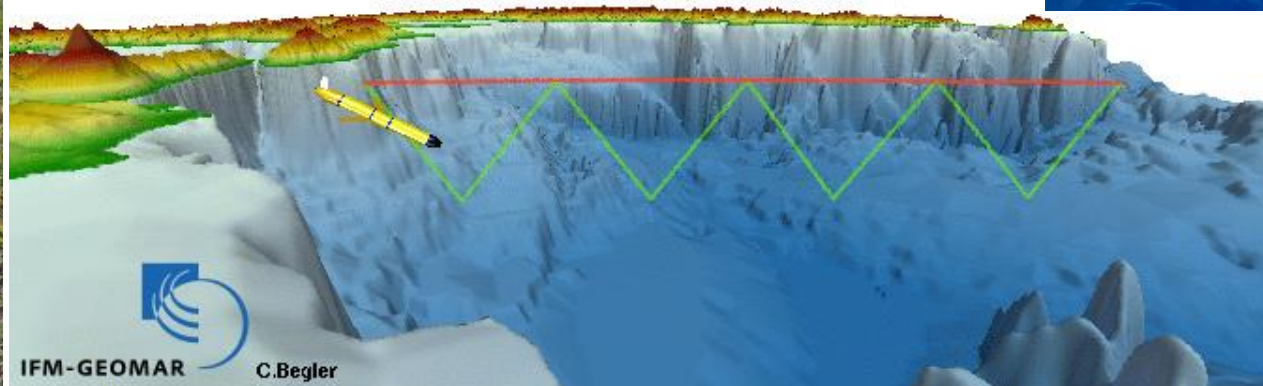


The Glider fleet

- Glider SEA111 (**Esmeralda**): CTD, DO, Triplet (chl, bbp, cdom), ADCP, MRG (microturbulence)
- Glider SEA112 (**Pandora**): CTD, DO, Triplet (chl, bbp, cdom), ADCP, MRG (microturbulence)
- Glider SEA113 (**Morgana**): CTD, DO, Triplet (chl, bbp, cdom)

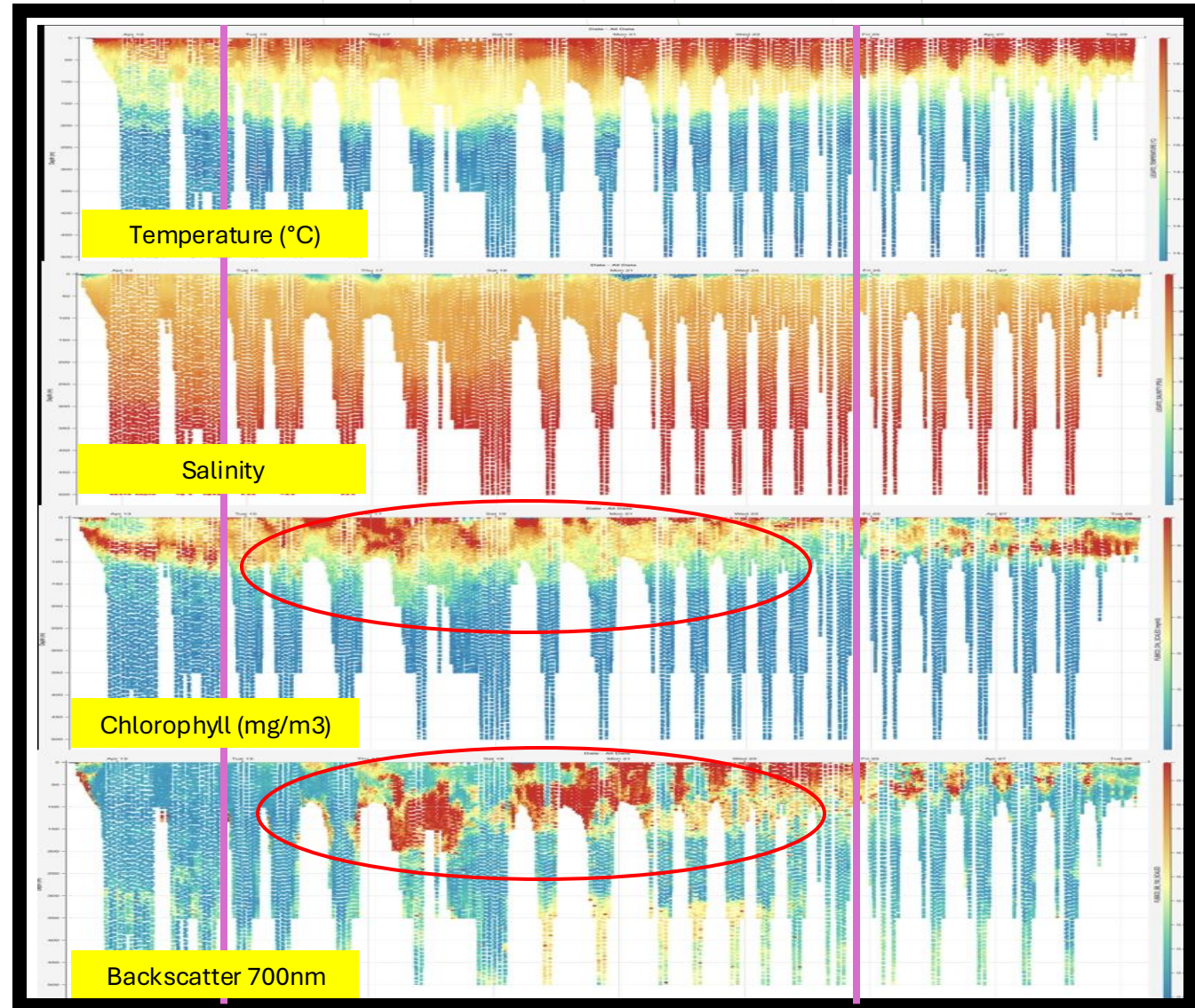
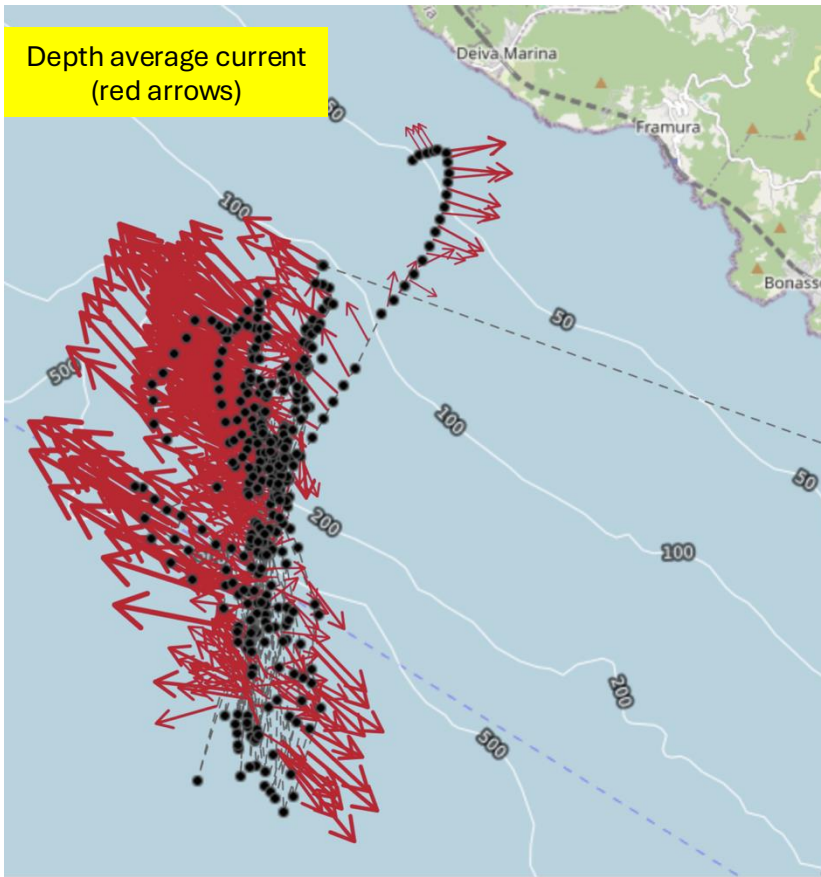


Horizontal velocity: $U \sim 20\text{-}40 \text{ cm/s}$
Vertical velocity: $W \sim 10\text{-}20 \text{ cm/s}$



Autonomous Multiplatform Biophysical Observations – Winter 2025 AMBO-W25

- Glider: Morgana (SEA113)
- Sensors: CTD (T,S), DO, Fluorimeter
- Duration: 17 days (12-29 April 2025)
- 10 km transect



Autonomous Multiplatform Biophysical Observations – Winter 2025 AMBO-W25

Episode of exceptionally
abundant anchovy catches

Economia e finanza > Lavoro

Grande pesca di acciughe nel Tigullio, lampare anche da Palermo

A riva circa 10mila casse, pesce venduto a 7/8 euro in pescheria

02/05/2025

CRONACA

Grande pesca di acciughe nel Tigullio, pescherecci anche da Palermo

Scaricate 10 mila casse di pesce, i pescatori preoccupati: "Pesci piccoli, poco utilizzabili per la salagione"

1 minuto e 13 secondi di lettura



di Michele Vari

venerdì 02 maggio 2025



Genova Home » 2025 » Maggio » 2 » Pesca "miracolosa": n



PESCA "MIRACOLOSA": NELLE RETI 80 TONNELLATE DI ACCIUGHE. VENDUTE AL CONSUMATORE A CIRCA 8 EURO AL CHILO

2 MAGGIO 2025

Seguici su: f X

Genova

CERCA

HOME CRONACA SPORT WEEKEND FOTO VIDEO ANNUNCI LOCALI CAMBIA EDIZIONE

Eccezionale pesca di acciughe nel mar Ligure, lampare anche da Palermo

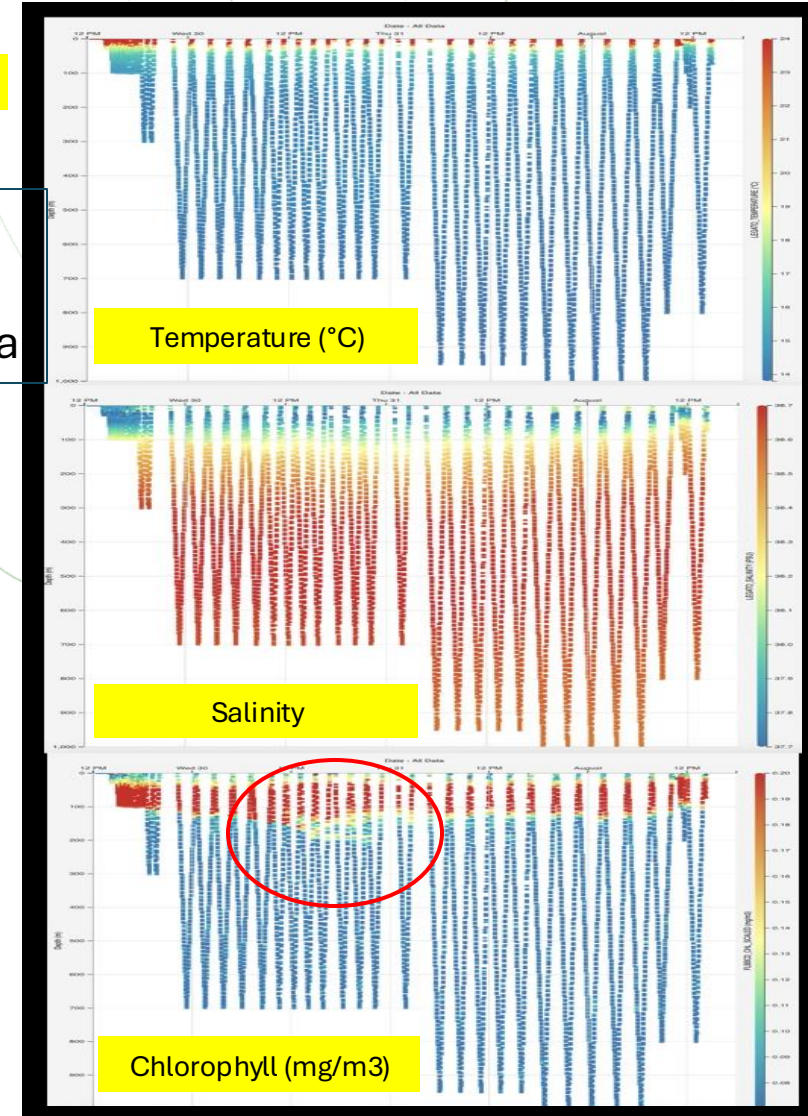
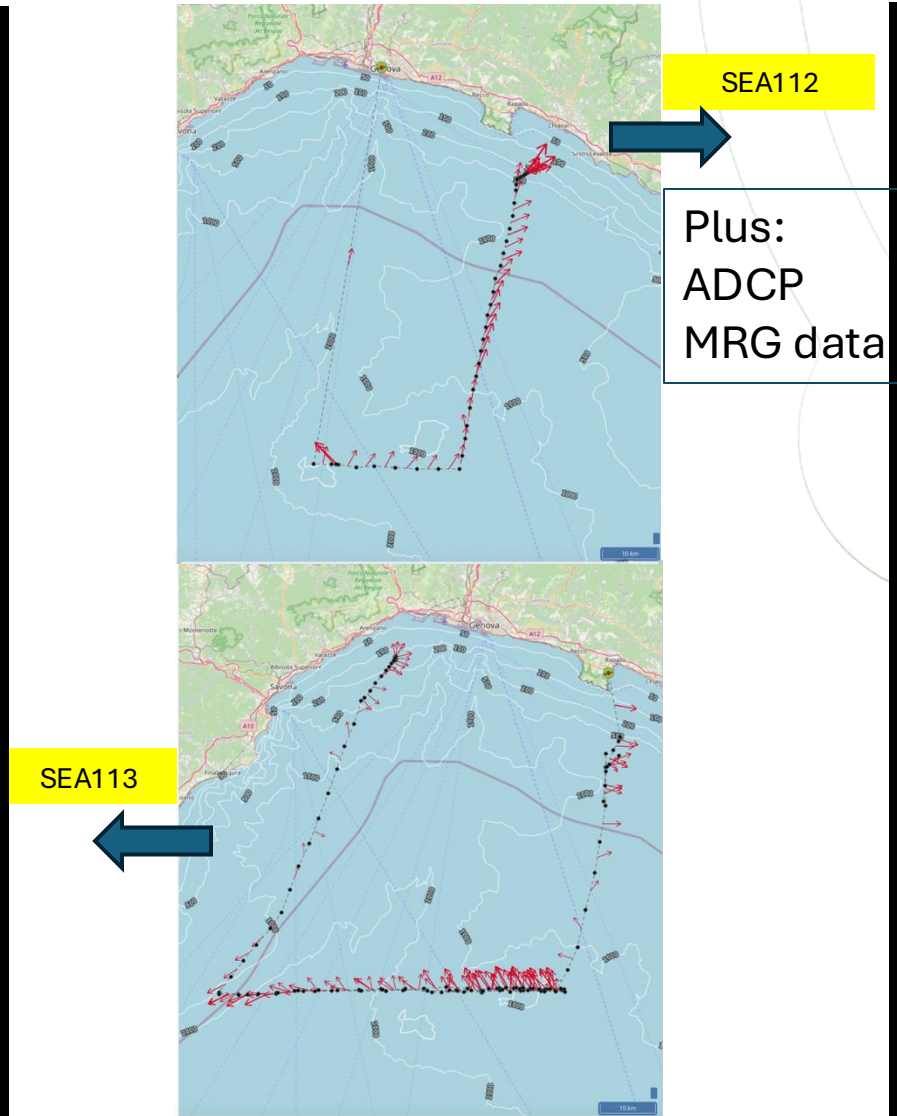
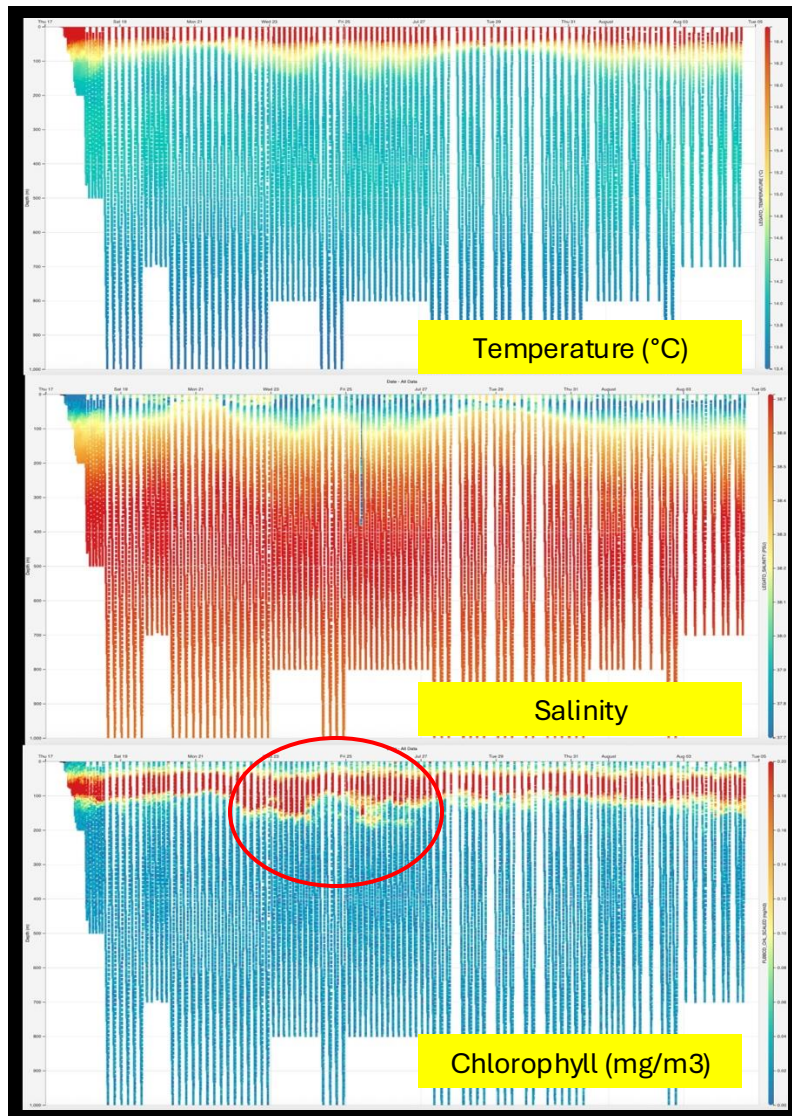


Scaricate a Sestri Levante 10mila casse di pesce del Tigullio

02 MAGGIO 2025 ALLE 15:52

1 MINUTI DI LETTURA

Autonomous Multiplatform Biophysical Observations – Summer 2025 EYES ON GLIDERS



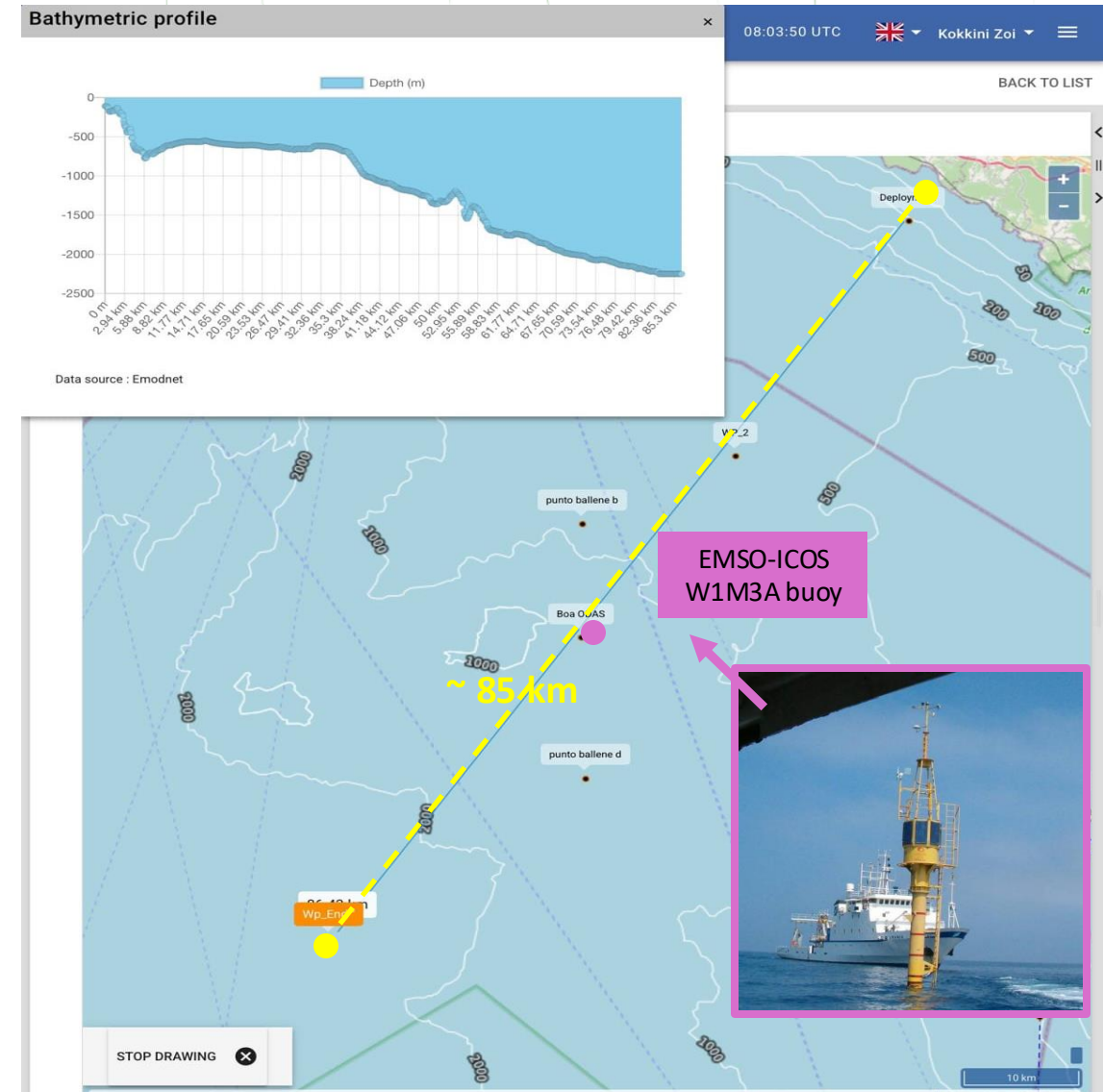
Future Planning

The 'glider endurance line' (long transect) for the NW Mediterranean – Ligurian Sea.

Extension of AMBO-W25/EYES transect offshore

- Deeper waters (>2000 m)
- Passing near **EMSO-ICOS W1M3A** (ODAS) buoy
- Microstructure turbulence measurements over the **Janua** Seamount (815m)
- Possible future interaction and intercalibration activities among RIs --> development of new services
- Testing & Best Practices site for combining operations of Glider + AD2CP + MRG

Cyclic operation of the three gliders



Our glider group !



Angelo Boccacci

Tecnico

Electronics, Maintenance,
Assembly, Piloting



Andrea Di Macco

Tecnico

IT, Maintenance, Piloting,
Assembly, Data flow



Daniele Lagomarsino

Tecnologo

Artificial Intelligence, Data Flow,
Piloting, Data analysis



Riccardo Tagliavini

Tecnologo

System Engineer, Piloting,
Assembly, Data Flow



Lorenzo Corgnati

Tecnologo

IT, Interoperability, Data Flow



Carlo Mantovani

Tecnologo

IT, Data Flow, Logistics



10

Technicians & scientists (extended group)



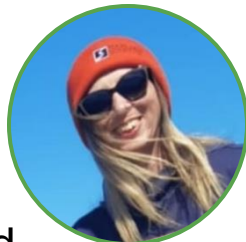
50%

On temporary contracts



8 → 5 Hands-on roles: 8 people involved
in practical activities

→ 5 contracts expiring soon (!)



Zoi Kokkini

Ricercatrice

Oceanography, Piloting, Assembly,
Data analysis



Maristella Berta

Ricercatrice

Oceanography, Piloting, Data
analysis



Roberta Sciascia

Ricercatrice

Oceanography, Piloting, Data
analysis



Marcello Magaldi

Ricercatore

Oceanography, Piloting,
Data Flow, Data analysis



THANKS!

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