



Generating knowledge 3 Sea Operations for Deploying Sensors and Platform

Davide Embriaco

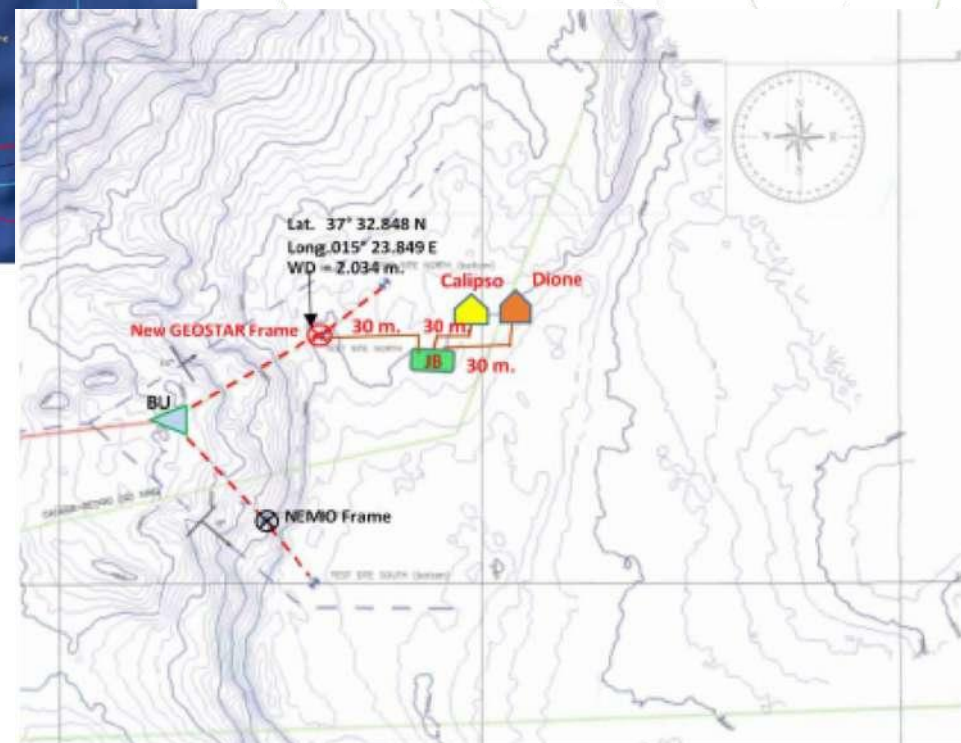
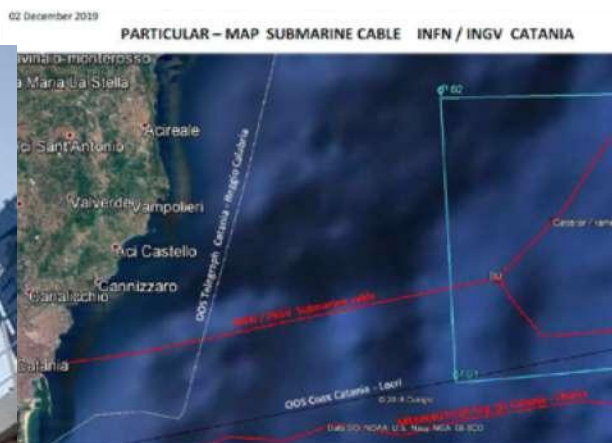
IR0000032 – ITINERIS, Italian Integrated Environmental Research Infrastructures System
(D.D. n. 130/2022 - CUP B53C22002150006) Funded by EU - Next Generation EU PNRR-
Mission 4 "Education and Research" - Component 2: "From research to business" - Investment
3.1: "Fund for the realisation of an integrated system of research and innovation infrastructures"



Sea Operations

- 🌐 Cabled sea floor observatory (EMSO Western Ionian Sea)
- 🌐 Mooring (EMSO South Adriatic sea)
- 🌐 Smart Cable experiment (EMSO Western Ionian Sea)

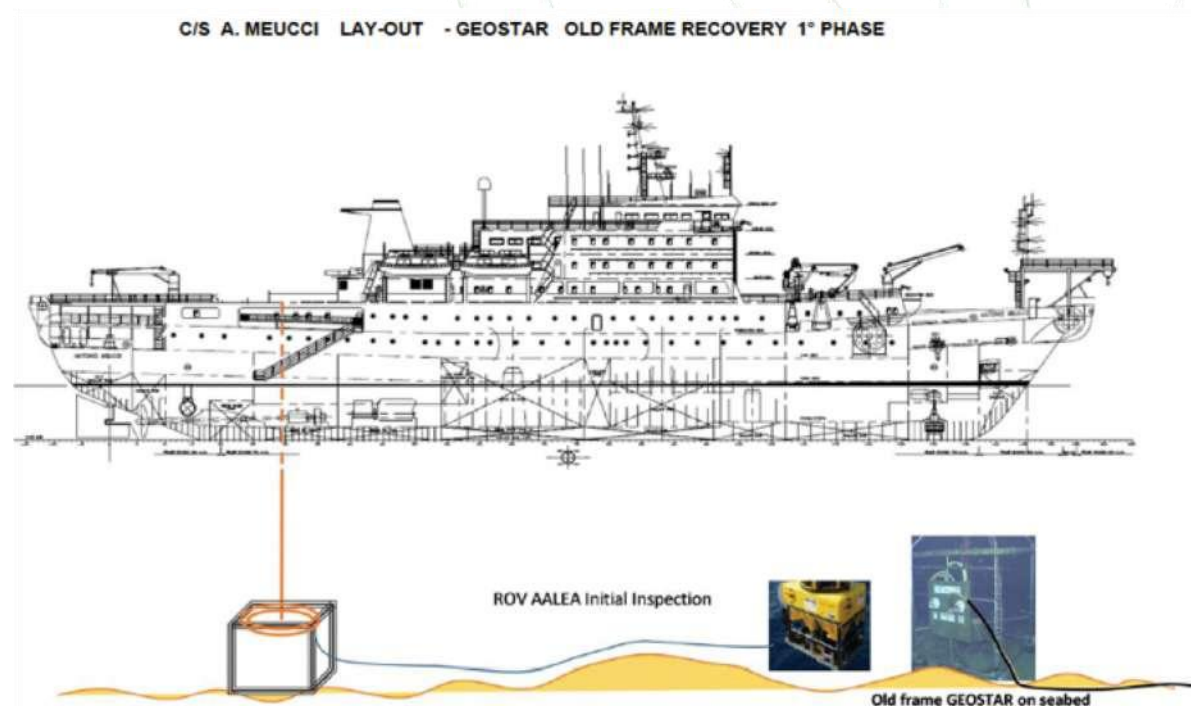
Sea operations : cabled seafloor observatory WIS 2023



Sea operations : cabled seafloor observatory WIS 2023

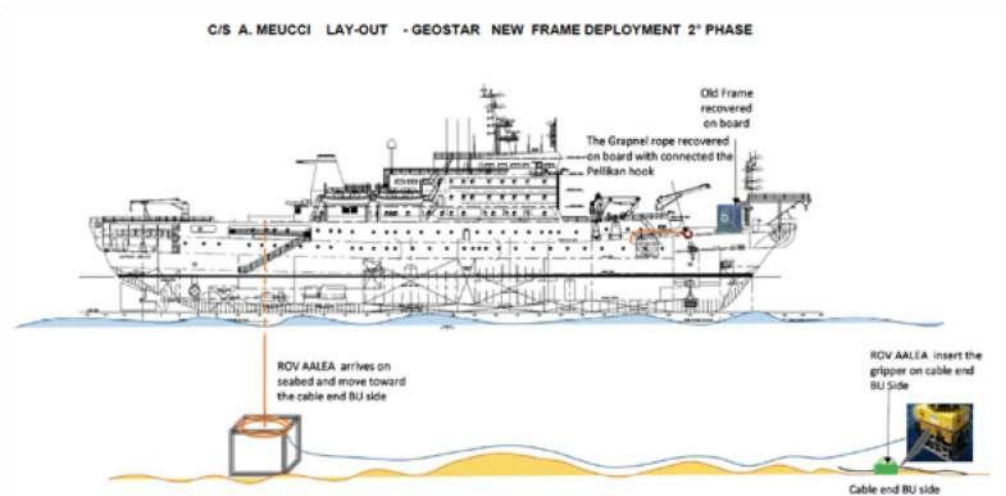


ROV (Remotely Operated Vehicle)

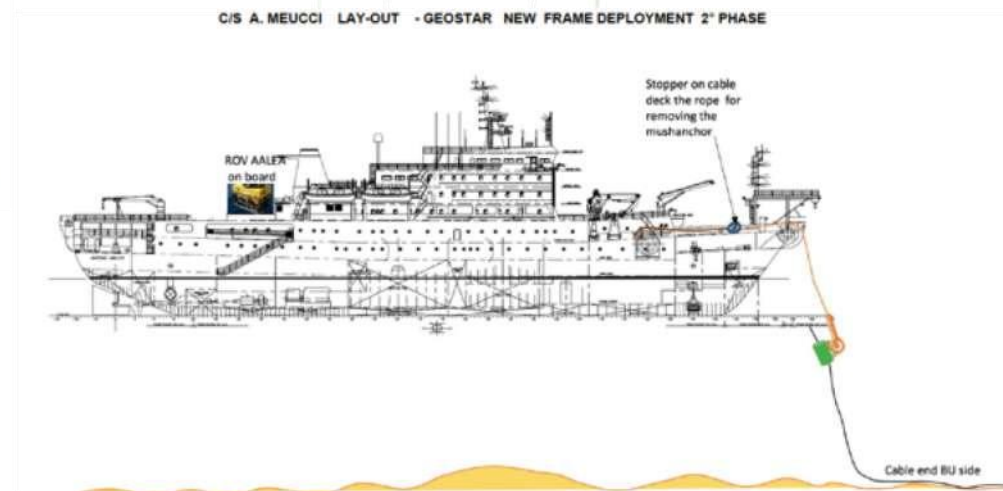
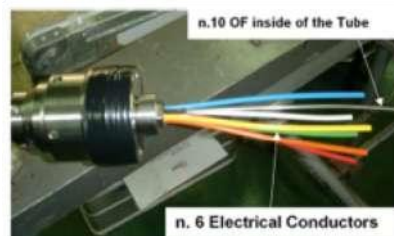


Tether Management System - TMS

Sea operations : cabled seafloor observatory WIS 2023

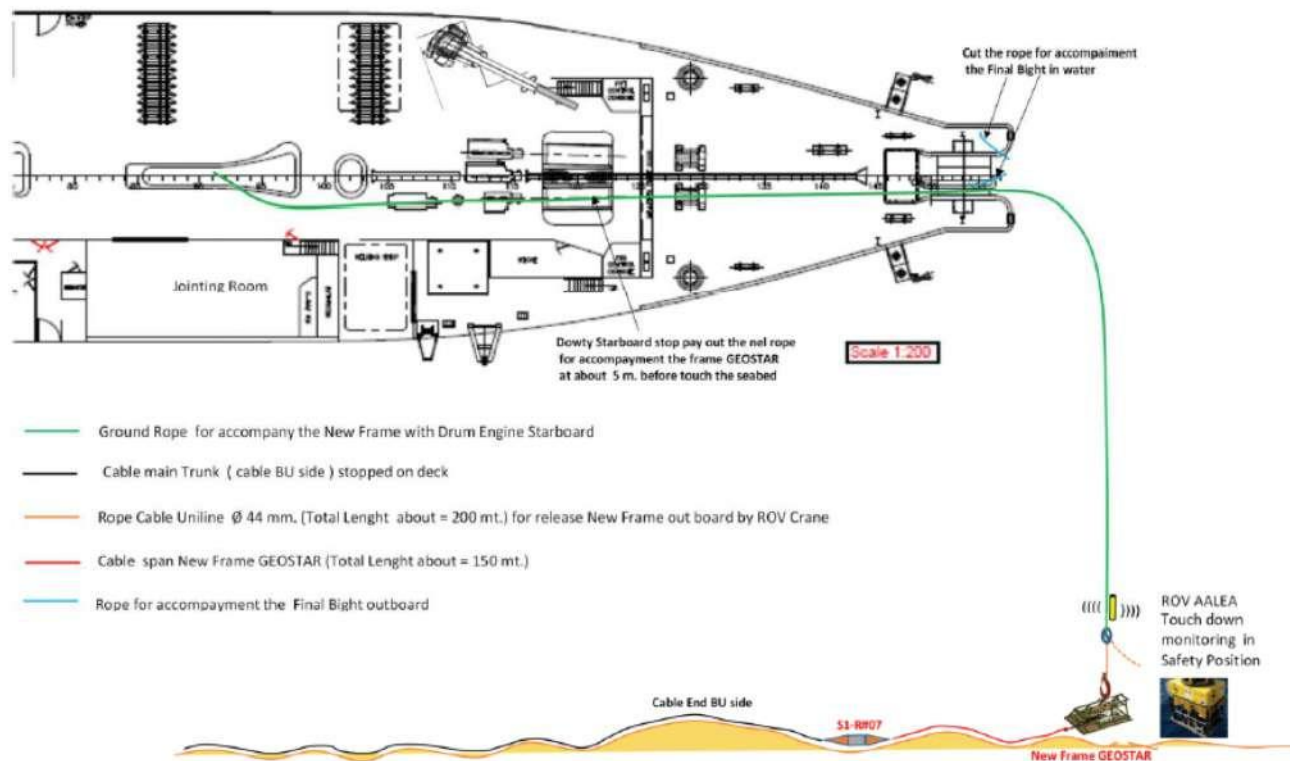


E/O Cable recovery and repair

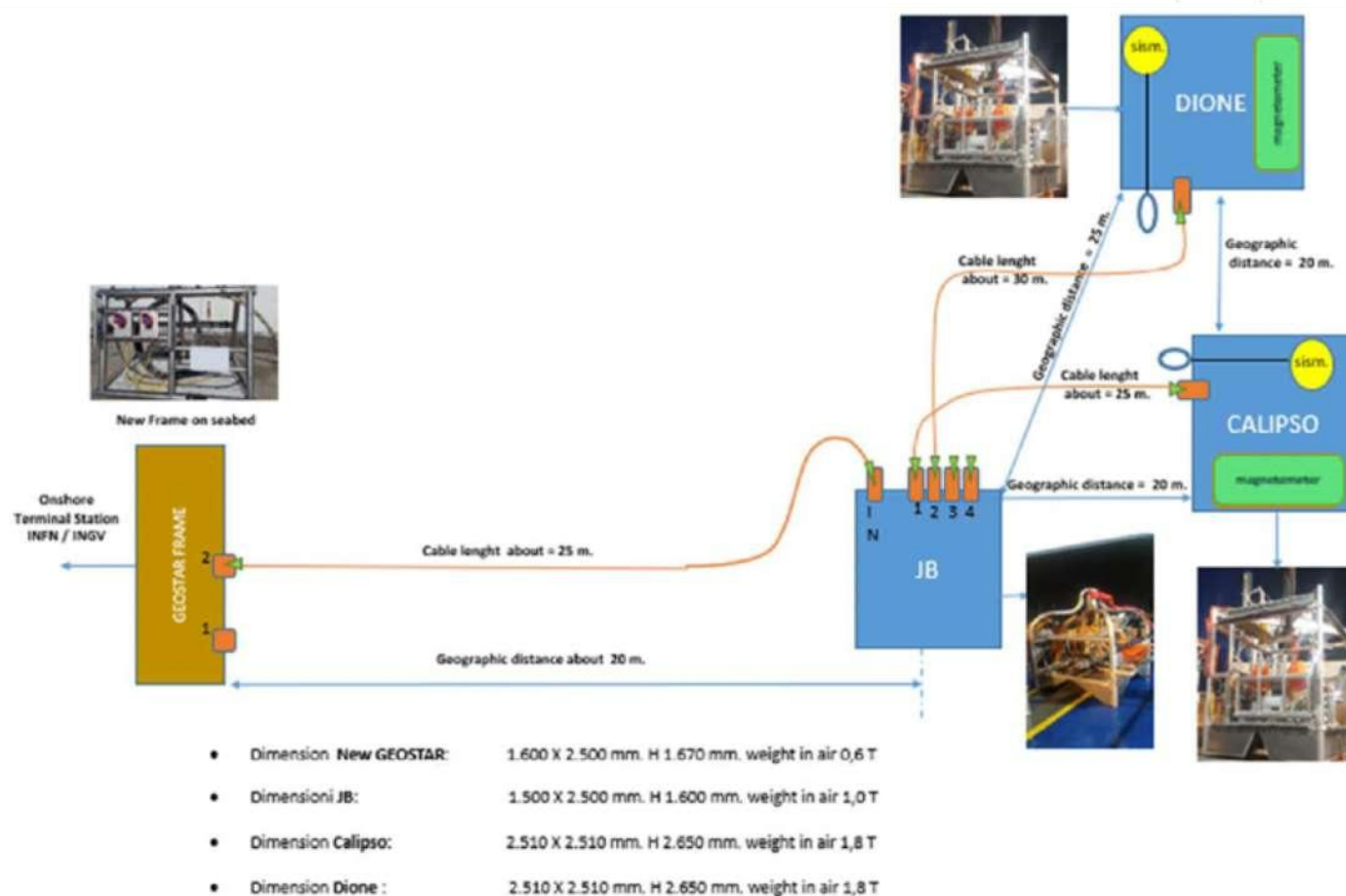


Sea operations : cabled seafloor observatory WIS 2023

C/S A. MEUCCI LAY-OUT - GEOSTAR NEW FRAME DEPLOYMENT 2° PHASE



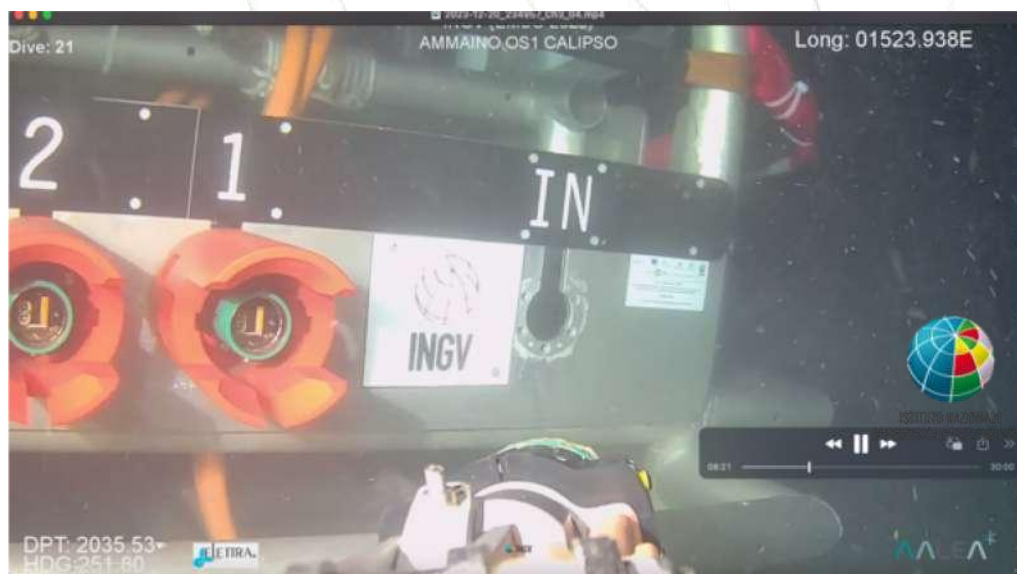
Sea operations : cabled seafloor observatory WIS 2023



Sea operations : cabled seafloor observatory WIS 2023



Sea operations : cabled seafloor observatory WIS 2023



ROV connection at WIS



Sea operations: mooring GALATEA @ EMSO WIS



Smart cable deployment @ WIS december 2023



InSEA SMART cable deployment funded by the Italian Ministry of University and Research, in the framework of InSEA Project - *Initiatives in Supporting the Consolidation and Enhancement of the EMSO Infrastructure and Related Activities* .



THANKS!

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
3.1: "Fund for the realisation of an integrated system of research and innovation infrastructures"

