

IERVO2017, JUNE 12-15, Helsinki Finland


Romania - National update

R/V MARE NIGRUM

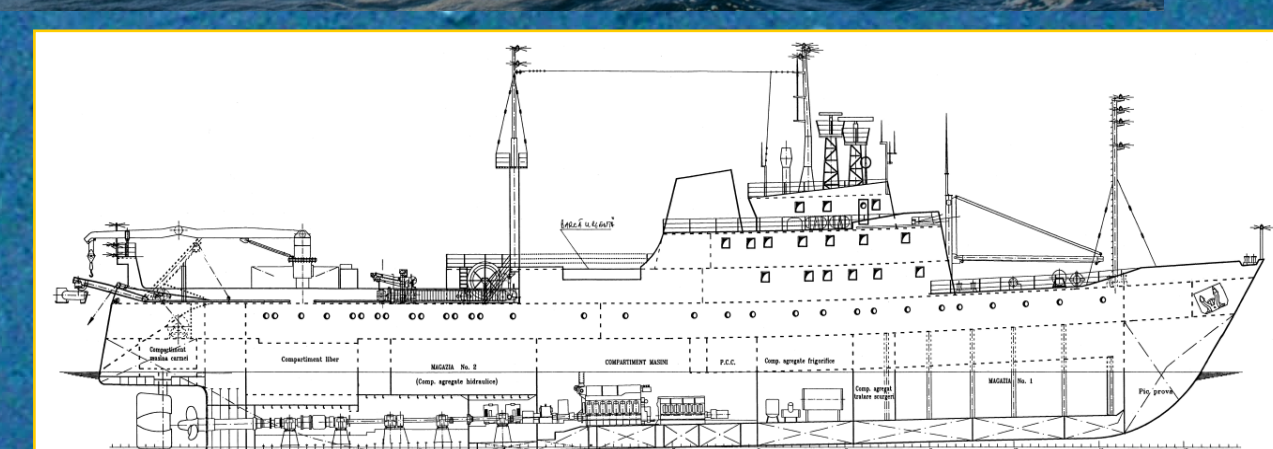
R/V ISTROS

Vessels and Facilities

Research Vessel *Mare Nigrum*


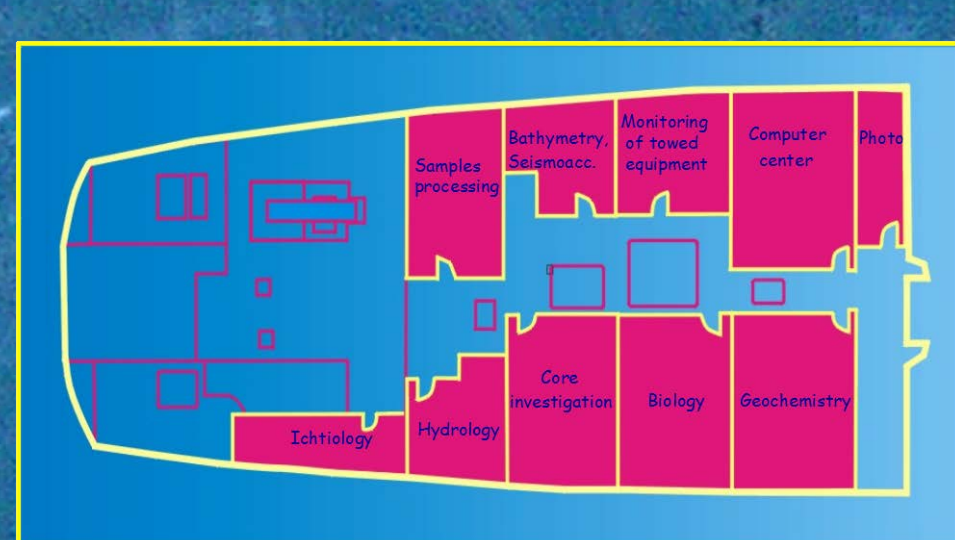


Owner:
GEOECOMAR, Romania




Vertical section showing the internal distribution of the technical and scientific areas

Laboratories on - board


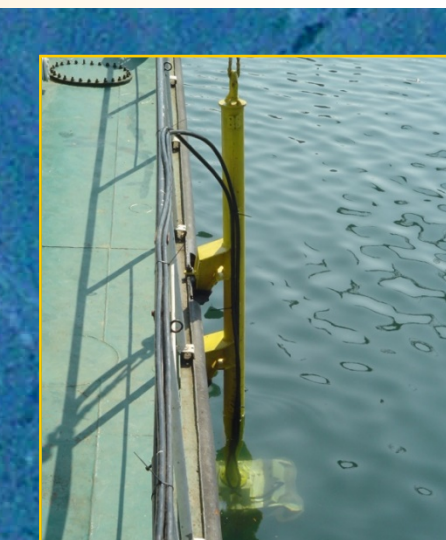



- ✓ Wet lab
- ✓ Hydrology
- ✓ Geophysics
- ✓ Biology
- ✓ Geochemistry
- ✓ Computer room
- ✓ Seismo-acoustics
- ✓ Tomography
- ✓ Photo

- Total area ~ 200 m²
- Computer network
- Air conditioning
- Sea and freshwater



Research Vessel Istros





Dimensions:

- Length – 32 m
- Breadth – 6.92 m
- Height – 1.65 m
- Displacement – 171 t
- Crew – 7
- Scientific crew - 10

Multibeam Bathymetric System

- SEABEAM 1050 ELAC –
- Nautik (180 KHz)
- DGPS OMNISTAR HP
- GPS Trimble R3




New investment 2013


Seal 2D MARINE SEISMIC ACQUISITION SYSTEM

Onboard of Mare Nigrum


- Seal Streamer: 96 channels, 12.5 group interval
- 2 GI-Guns 355
- Compressor max: 200 bars
- Streamer depth controller
- Navigation software – SeaProNav
- Acquisition software – Seal 428
- QC software – eSQC-Pro




Streamer



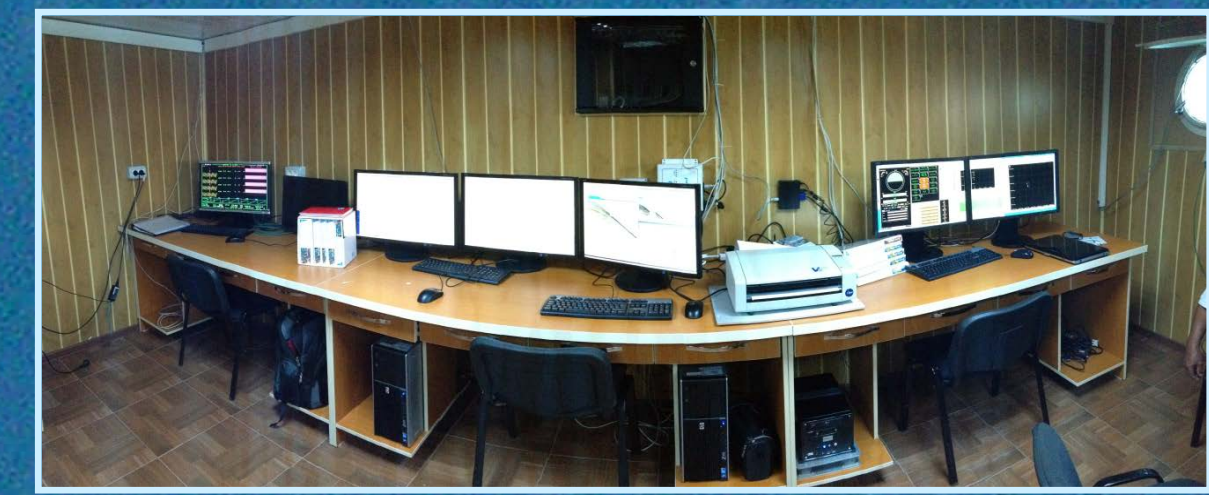
LARS for GI-GUNS




GI-Gun



Air compressor





Acquisition room



Servers room

Mare Nigrum Sampling Equipment

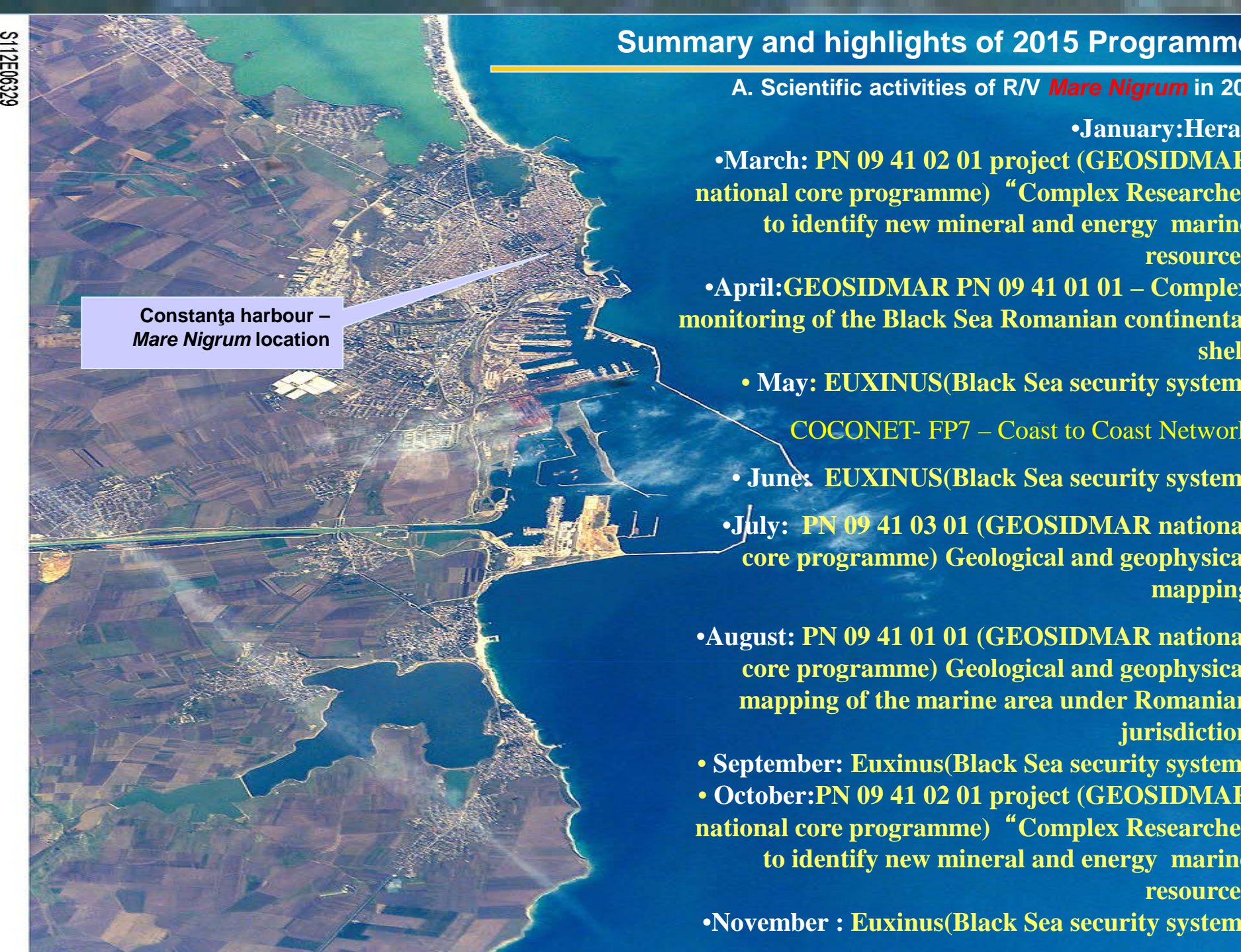
Mare Nigrum Sampling Equipment




Summary and highlights of 2015 Programmes

A. Scientific activities of R/V *Mare Nigrum* in 2015


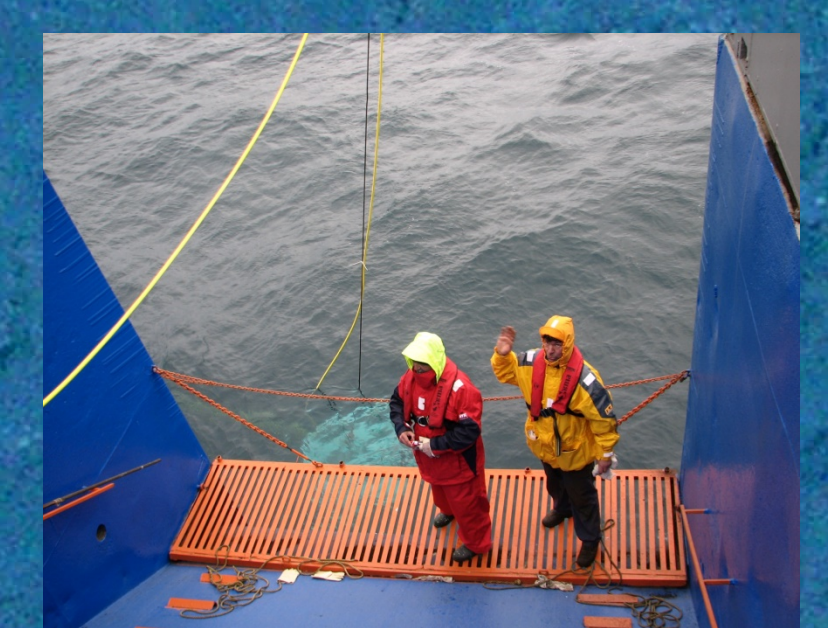
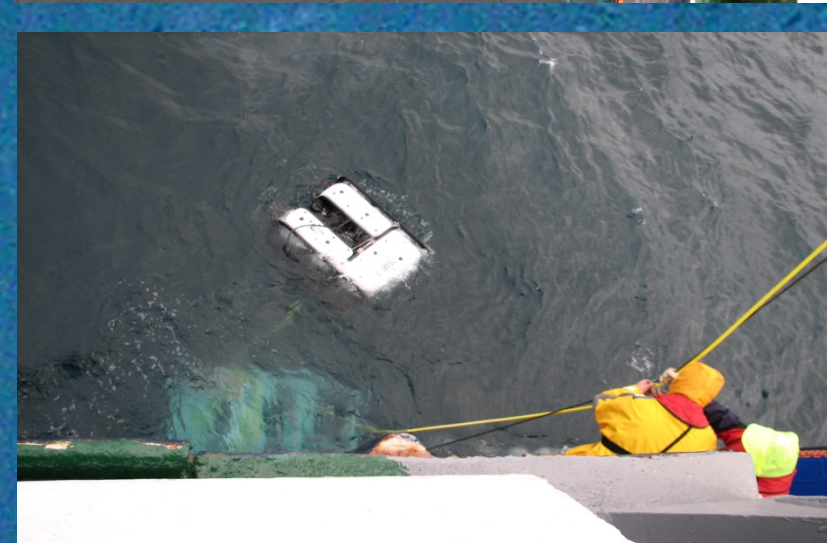
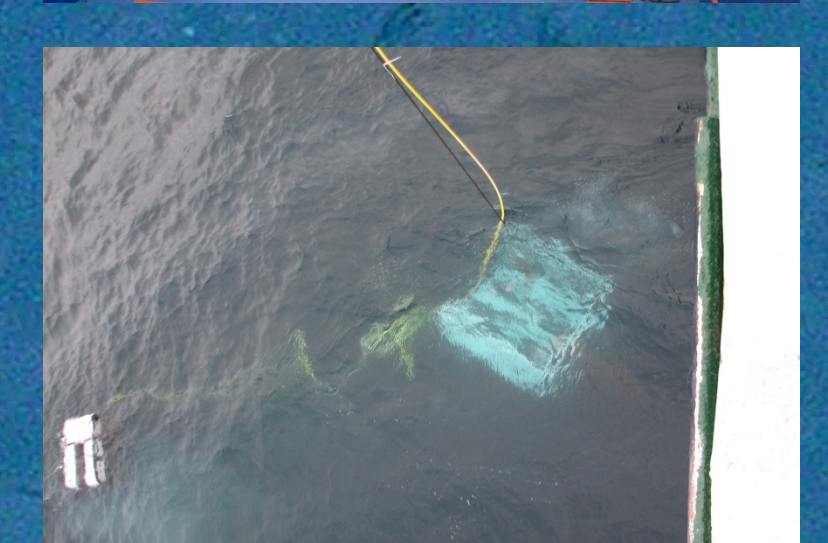
- January: Heras
- March: PN 09 41 02 01 project (GEOSIDMAR national core programme) "Complex Researches to identify new mineral and energy marine resources"
- April: GEOSIDMAR PN 09 41 01 01 – Complex monitoring of the Black Sea Romanian continental shelf
- May: EUXINUS(Black Sea security system) COCONET- FP7 – Coast to Coast Network
- June: EUXINUS(Black Sea security system)
- July: PN 09 41 03 01 (GEOSIDMAR national core programme) Geological and geophysical mapping
- August: PN 09 41 01 01 (GEOSIDMAR national core programme) Geological and geophysical mapping of the marine area under Romanian jurisdiction
- September: Euxinus(Black Sea security system)
- October: PN 09 41 02 01 project (GEOSIDMAR national core programme) "Complex Researches to identify new mineral and energy marine resources"
- November: Euxinus(Black Sea security system)



I.1 Activities of R/V *Mare Nigrum* in 2016

- April :PN 09 41 03 01 (GEOSIDMAR national core programme) Geological and geophysical mapping
- May :Eurofleets2 cruise
- May :UNDP(United Nation development Programs)
- June :UNDP(United Nation development Programs) The Black Sea Security System EUXINUS
- PN 09 41 02 01 project (GEOSIDMAR national core programme) "Complex Researches to identify new mineral and energy marine resources"
- July :The Black Sea Security System EUXINUS
- PN 09 41 03 01 (GEOSIDMAR national core programme) Geological and geophysical mapping
- August: Boskalis – Soil Campaign
- September: The Black Sea Security System EUXINUS
- October: PN 09 41 02 01 project (GEOSIDMAR national core programme) "Complex Researches to identify new mineral and energy marine resources"
- November: Electric Survey – Siberian Geophysics Rusia Federation

Remote operator vehicle (ROV) Vector M5 deployment on the Black Sea

I.1 Activities of R/V *Mare Nigrum* in 2017

- April :PN 16 45 0101 (GEOSIDMAR national core programme) Geological and geophysical mapping
- May :PN 16 45 0103 (GEOSIDMAR national core programme) Geological and geophysical mapping
- June : The Black Sea Security System EUXINUS
- July :The Black Sea Security System EUXINUS
- August: UNDP(United Nation development Programs)
- September: : UNDP(United Nation development Programs)
- October: PN 09 41 02 01 project (GEOSIDMAR national core programme) "Complex Researches to identify new mineral and energy marine resources"
- November: The Black Sea Security System EUXINUS

Contact:

Ștefan FLORESCU
Head of Research Vessels Department

Bucharest – Phone: +40 21 252 55 12 / 232; Fax: +40 21 252 25 94;
Mobile: +40 755 082888

Constanța – Phone/Fax: : +40 241 54 84 20

R/V *Mare Nigrum* – Phone: 00871 763 688 774; 00871 688 763 775; Fax: 00871 600 501 966

E-mail: stefan.florescu@geoecomar.ro
www.geoecomar.ro