

MARITIME GEOMETOC CONCEPT

Explore battlefield environment in order to optimize the employment of sensors, weapons, targeting, logistics, equipment and personnel

Geospatial

collect, collate, manage, layer, de-conflict, fuse, exploit, analyze, produce and disseminated geospatial information

Meteorology

collect, monitor and forecast atmosphere and space weather dynamics.

Technology

software engineer, grid computing, Web-cloud services, remote sensing, smart sensors

Oceanography

collect, monitor and forecast waves, ocean dynamics and underwater acoustics

Data-science

transform GEOMETOC information into knowledge and situational awareness

Space weather

monitor sun's time varying conditions and forecast impact on maritime ground-based technological systems

KNOWLEDGE, CONCEPT DEVELOPMENT, RESEARCH & TRAINING

Research, evaluate, develop and test, through experimentation, new GEOMETOC support products, services and decision-aids tools, as well as NATO doctrine, policy and standards, using analysis and lessons learned. Contribute to training of military and civilian personnel from allied nations and partners.



NATO MARITIME GEOMETOC COE



MGEOMETOC COE - NATO Maritime Geospatial, Meteorological & Oceanographic Centre of Excellence



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“NATO’s transformation hub of expertise in Maritime Operations GEOMETOC Support”



LOCATION

Lisbon, Portugal.

PHYSICAL DOMAINS

Oceans, seas, bays, estuaries, islands, seashore and coastal areas, including airspace above these water and land domains.

CONTEXT

NATO allies are expected to provide the bulk of GEOMETOC information at strategic, operational and tactical levels, contributing to a network of data collection sites and platforms, analysis, forecasts and GEOMETOC support products and services.

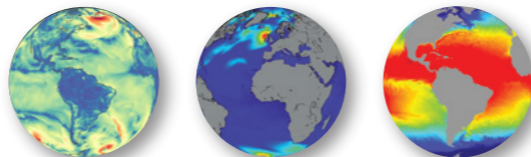
Within the maritime domain, there is still inertia in information sharing, in combining efforts and in bringing together Subject Matter Experts to improve NATO capacity to perform joint observations, forecasts, research, training and lessons learned, foreseeing the production of improved GEOMETOC support to Allied Maritime operations.

MISSION

The mission of the MGEOMETOC COE is to enhance the transformation efforts in the field of Maritime GEOMETOC to the benefit of the Alliance.

VISION

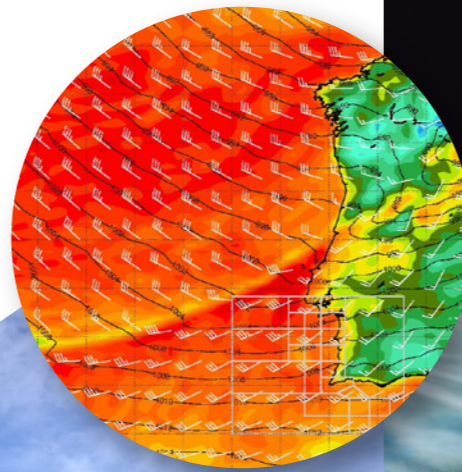
The vision of the MGEOMETOC COE is to be an internationally recognized hub of expertise, working to expand the capabilities in the field of Maritime GEOMETOC.



GOALS

To enable close cooperation between NATO and International Organisations within the agreed frameworks, in the development of an international collaborative partnership approach to transform Maritime Operations GEOMETOC Support capabilities.

To foster continuous self-development of the NATO MARITIME GEOMETOC COE by conducting results oriented research, studies, experiments, analysis, education and training, as well as by applying lessons learned and best practices.



ROADMAP

1st Establishment Conference: 9-10 October 2019

2nd Establishment Conference: 11-13 February 2020

Both conferences will take place at the Portuguese Hydrographic Institute, in Lisbon.

