

**125<sup>TH</sup> MEETING OF THE OPEN GEOSPATIAL CONSORTIUM (OGC)  
Frascati, Italy, 20-24 February**

Contribution to the IHO Work Programme 2023	
Task 2.1.6.4	OGC Technical and Planning Committee Meetings

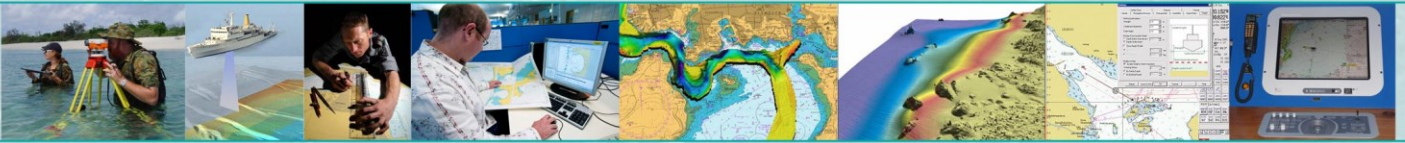
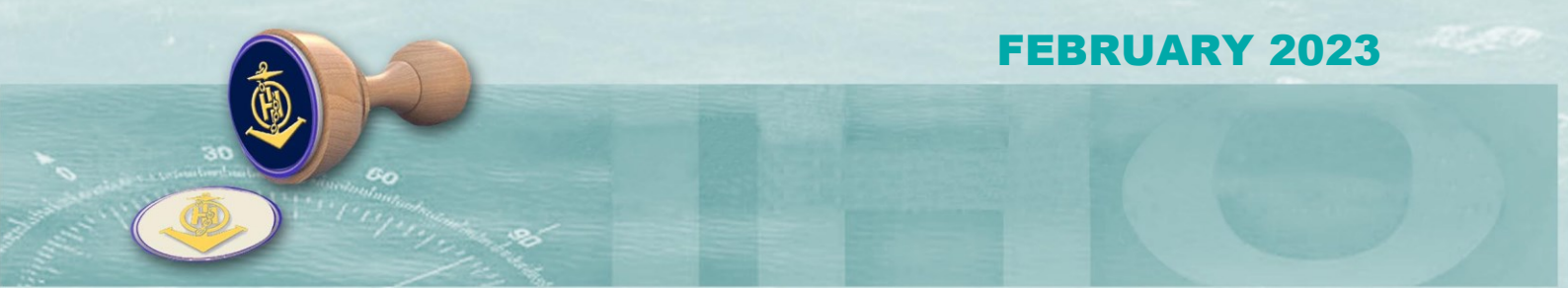
The 125<sup>th</sup> Member Meeting of Open Geospatial Consortium (OGC) was held in Frascati, Italy from 20 to 24 February 2023. The meeting was sponsored by the European Space Agency (ESA). The overarching theme of the meeting week was “Space and Geospatial”. More than 200 people attended the OGC Member Meeting in person, with more than 100 virtual. Attendees included key standards leaders and regional experts from industry, academia and government. The IHO Secretariat was represented by Assistant Director Yong BAEK at the Marine Domain Working Group session on 20 February 2023.

The kick-off began with welcome remarks by Dr Rune Floberghagen, Head of Science, Applications and Climate Department in the Directorate for Earth Observation Programmes, ESA, with a focus on the use of and contribution to OGC Standards and an overview of European Space Agency (ESA) programs.



A half-day special session for OGC Marine community was held to discuss “Connecting Land and Sea.” The meeting focused on past, present and future work related to the global marine domain and the multi-year IHO-OGC Federated Marine SDI (FMSDI) Initiative. Part I of the session focused on both the work of the OGC Marine Domain working group and progress to data on past work on FMSDI and planned future work. Part II was the demonstrations of results from The Federated MSDI Pilot (FMSDI) and Phase III (Arctic) under a scenario of a





vessel in distress in Western Alaska, just south of the Arctic Circle and a review of the Engineering report for approval.

The Federated Marine Spatial Data Infrastructure (FMSDI) Pilot is an OGC Innovation Program initiative with the objective to enhance Marine Spatial Data Infrastructure (MSDIs), to understand MSDI maturity better and demonstrate the power of FAIR (Findable, Accessible, Interoperable, Reusable) data in the context of the marine environment.

The pilot will lead to four main outcomes.

1. Demonstration – A practical technology demonstration from global community experts showcasing federated Marine SDI for selected Land/Sea use cases. Possible examples include use cases for the Arctic, European Coastal Regions, and Southeast Asian region. The demonstration will show how using OGC, IHO, and other open standards enable the community’s ability to find, obtain, use, share, interoperate, and reuse data.
2. Impact on OGC Standards – Lessons learned, gaps, and the need for changes to the OGC Standards Baseline will be summarized in an Engineering Report that will inform the OGC Standards Program.
3. Impact on IHO Standards – Practical testing of relevant S-100-based IHO standards will accelerate the process for the adoption and implementation of IHO standards. The resulting Engineering Report will help inform the work of the IHO HSSC Working Group and will provide inputs to enhance the framework and its component standards.
4. Development of the Marine Spatial Data Infrastructure (MSDI) Maturity Model – Providing a roadmap for MSDI development.

OGC’s Federated Marine Spatial Data Infrastructure Pilot continues to be successful and will add new phases of work with additional sponsors and expansion of topics. The Marine DWG is coordinating closely with the International Hydrographic Organization (IHO) and United Nations Working Group on Marine Geospatial Information to develop a partnership to test against real work-use cases in this pilot and other projects. The 126<sup>th</sup> meeting of OGC Member is scheduled to be held in Huntsville, Alabama, USA on 5 to 9 June 2023.



*Marine Domain Working Group in session*