Draft Agenda
Marine Special Session
Connecting Land and Sea
February 20, 2023, 2:20pm to 6pm (CET)
ESA-ESRIN, Frascati, Italy, Room Forcada
(and remote)

Background

The OGC Marine community is meeting to highlight past, present and future work related to
the global marine domain and the multi-year IHO-OGC Federated Marine SDI Initiative.
Part I of the session focuses 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 will be the demonstrations of results from The Federated MSDI Pilot
(FMSDI) - Phase III (Arctic) under a Scenario of a vessel in distress in Western Alaska, just
south of the Arctic Circle and a review if the Engineering report for approval

 Join us to learn more about the impact of the OGC community in the
Marine Domain.

Start: 220PM

Part 1 The OGC Marine Domain Working Group - Past and Present

- Introduction , Welcome, Agenda Review, Glenn Laughlin, Pelagis, Marine DWG
  Co-chair (5 Mins)
- The Federated Marine SDI Initiative (Rob Thomas, OGC)
  - Concept Development Study and Marine Limits and Boundaries Pilot (5 Mins)
  - Phase I and II (20 Mins)
  - The Future , Phase IV(5 Mins)
- TB 18 and the Marine Domain , Glenn Laughlin, Pelagis (10 Mins)
- Reference Model Discussion for the Marine Domain, Glenn Laughlin, Pelagis (10 mins)
- Presentations
  - Frederic Leclercq, Research Scientist, Flanders Marine Institute, Introduction to
    the Flanders Marine Institute (10 min)
  - Edd Lewis, Standards Lead, British Geological Survey, OGC EDR APIs and the
    Marine domain (10 min - **remote**)
  - Peter Parslow, Chair ISO TC-211, ISO marine activities, (10 min - **remote**)

Break (10 mins)

Start : 4PM

<u>Part 2 The Federated MSDI Pilot (FMSDI) - Phase III (Arctic)</u>

- Welcome Introduction and Context setting (5 mins) Rob Thomas,OGC
- Demonstrations (80 Mins)
    - Jason MacDonald , Compusult Limited, - *Supporting emergency operations and potential threats to the surrounding marine ecosystems in the arctic.*
    - Jonathan Pritchard, IIC Technologies, *Highlights the blending of a diverse IHO S-100 content with OGC APIs for marine rescue activities.*
    - Gordon Plunkett, ESRI Canada, - *Consumes and tests the performance and compatibility of datasets to develop an Arctic VoyagePlanning Guide aiding the ship captain in the search and rescue scenario.*
    - Matthew Jestico.Helyx Secure Information System Ltd, *Using client-side processing to determine what anthropogenic and environmental areas may be affected from an oil spill when the vessel is recovered and towed to a suitable port.*
    - Perry Peterson, University of Calgar, *Using the OGC DGGS API, through 3 diverse sub-scenarios; coastal erosion, rising sea levels and navigational hazards,*
    - Jérôme Jacovella-St-Louis, Ecere Corporation, *Demonstrate the use of DGGS in performing analytics related to coastal flooding and erosion focused on the integration of both terrestrial and marine spatial information, from a 3D perspective*
    - Bradley Battista, Tanzle , Combination Fusion Server / Client, *Demonstrate a cross-cutting, server/client solution leveraging cloud infrastructure and real-time data.*
- FMSDI Engineering Report Summary and Motion to approve (20 Mins), Ingo Simonis, OGC CTIO ,co-chairs for motion

End 6PM