OGC Calling for Participation in Federated Marine Spatial Data Infrastructure Pilot

The Open Geospatial Consortium (OGC) has released the Call for Participation (CFP) to solicit proposals for funded participation in the OGC Federated Marine Spatial Data Infrastructure (FMSDI) Pilot.

The Pilot consists of three segments of focus: developing a federation of S-122 Standard Marine Protected Area (MPA) data sets; exploring the data fidelity, mobility and versatility of S-100 Product Specification as well as other marine standards and data; and designing a UNGGIM-IGIF-derived Marine Spatial Data Infrastructure (IGIF-MSDI) maturity model that provides a roadmap for MSDI development.

The FMSDI initiative builds on the accomplishments of several previous OGC initiatives:

- The Marine Spatial Data Infrastructure Concept Development Study, which summarized the efforts and information gathered from a Request for Information that focused on in-depth data requirements, architecture and standards needs for an MSDI.
- The Maritime Limits and Boundaries Pilot, which worked to build a detailed implementation for testing IHO S-121 Standard data.
- The Arctic Spatial Data Infrastructure Pilot, which utilized international standards to support a spatial data exchange focusing on the complex issues of Arctic marine space.

Towards a Maturity Roadmap

The FMSDI initiative consists of three phases.

1. A Request for Information (RFI), which is already completed. This RFI focused on resource collection with a primary focus on MPAs; who has that data, how is it stored, where can it be accessed, and so on.
2. Digging into the various data services and begin building out the IHO S-122 demonstration model. Also, exploring the IHO S-100 data specifications and how other potential data (terrestrial, meteorological, Earth observation, etc.) can mingle to create a more holistic view of the region of focus.
3. Developing the IGIF-MSDI maturity roadmap, exploring how various MSDIs are composed and what the stages and implementations were that made them what they are today. Then, developing the roadmap for how an MSDI is likely to be composed through its iterations.

The OGC FMSDI Pilot is being conducted under OGC's Innovation Program, a collaborative, agile and hands-on prototyping and engineering environment where sponsors and OGC members come together to address location interoperability challenges while validating international open standards. To learn about the benefits of sponsoring an OGC innovation program initiative such as this, visit the OGC Innovation Program webpage, or watch this short video on how OGC's Innovation Program can benefit your organization.