IHO

International Hydrographic Organization

S-100 Working Group

S-100 Open Online Platform
(S-1OOP)

Proposed by Vice chair, S-100WG

Background(1/2)

- S-100 is designed to be **extensible and future requirements** such as 3-D, time-varying data (x, y, z, and time) and **Web-based services** for acquiring, processing, analyzing, accessing, and presenting hydrographic data can be easily added when required. (S-100 edition 4.0.0, Dec. 2018)

- The **primary goal for S-100** is to support a greater variety of hydrographic-related digital data sources, products, and customers

Background(2/2)

- S-100 Implementation Decade (2020-2030): A-2 proposal
- **However**, the development of the S-100 standard has been difficult for supporting various use cases as only a few S-100 experts and industry partners have been participating in
- **This paper proposes to introduce the concept of sharing and cooperation** to facilitate entering into the S-100 world by establishing an **S-100 Open Online Platform (S-1OOP)** as one of the alternative approaches to overcome these challenges

What is S-1OOP ?

- The **S-100 Open Online Platform (S-1OOP)** is defined as "***the Online Oceans***." It means …
  - ✓ that it is the foundation for moving the ocean activities to the online world by sharing it **easily and conveniently** to foster a safer and more prosperous ocean

What is S-1OOP ?

- **S-1OOP Project :**
  - ✓ to collaborative projects to achieve key goals with a its vision

Project Vision

S-1OOP will create the foundation for a marine ecosystem where stakeholders can share data, information, and service in an efficient and secure way to facilitate the development of S-100 systems and services and marine products. Such ecosystem will be used to support S-100 implementation and prepare future services.

What is S-1OOP ?

- **Key Goals**
  - ✓ **Share** S-100 components of the GI registry and S-100 Data Sets
  - ✓ **Exchange** S-100 production process for data producers
  - ✓ **Enhance** visualizing and searching the standard and technical guideline
  - ✓ **Develop open-source** software and ocean application models for implementing the S-100 world
  - ✓ **Increase efficiency and reduce** industry cost related to developing S-100 systems and services

What is S-1OOP ?

- **Organization**
  - ✓ The S-1OOP project is for IHO Member States and relevant stakeholders. Therefore, in order to achieve the vision and the goals it is required to establish a group from many contributors and supporters
  - ✓ To achieve the basic concepts of sharing and cooperating, **the S-1OOP project can be built entirely with voluntary participation and contribution**.

Recommendations

- The **S-1OOP project** asks for active participation from interested Member States, experts and industry partners to accelerate the use of marine data for various purposes, both online and offline, as well as for navigation purposes

Action requested of S-100WG5

- The S-100WG5 is invited to:

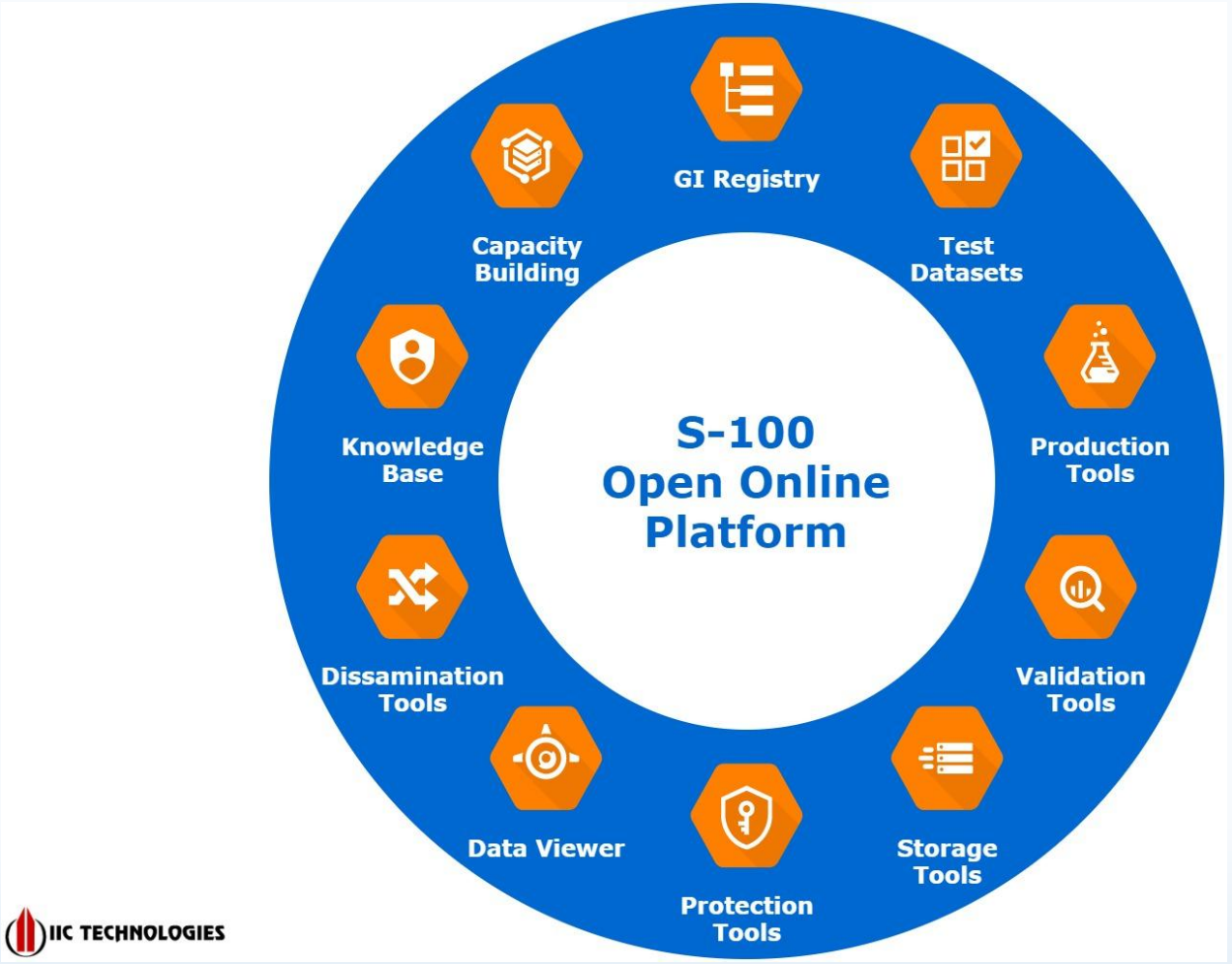
  Note this paper

  Discuss the concept of S-100 Open Online Platform

  Invite MSs, experts and industry partners to participate in the S-1OOP project

NEXT

S-100P Project



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Disclaimer

S-100
Open Online Platform

The **S-100 Open Online Platform** (S-100P) is defined as "the Online Oceans."
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- GI Registry
- S-100 Web Viewer
- Test Datasets(S-64)
- Production Tools
- Validation Tools
- Storage Tools
- Protection Tools
- Dissamination Tools
- knowledge Base
- Capacity Building

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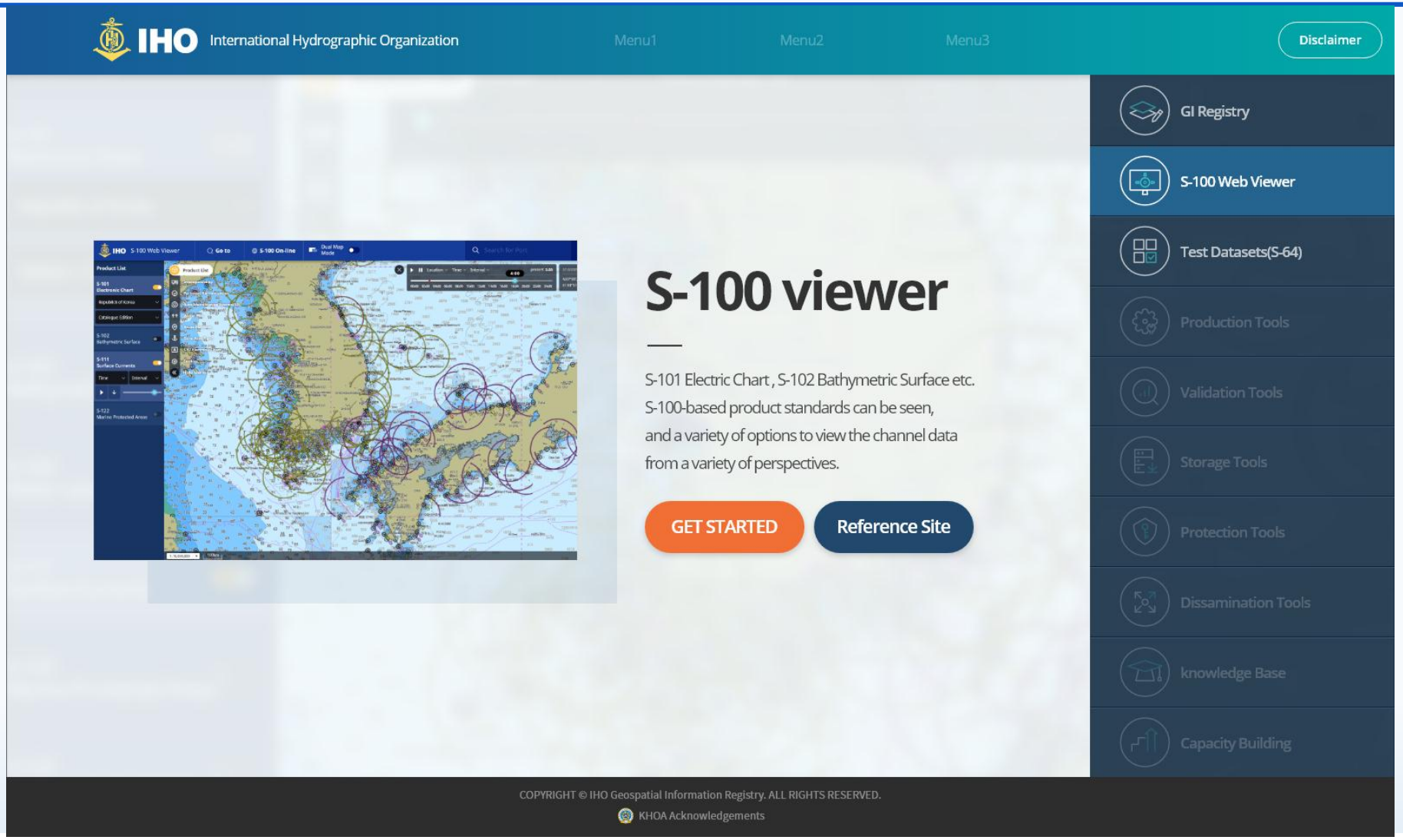
KHOA Acknowledgements

S-100P Project



S-100P Project

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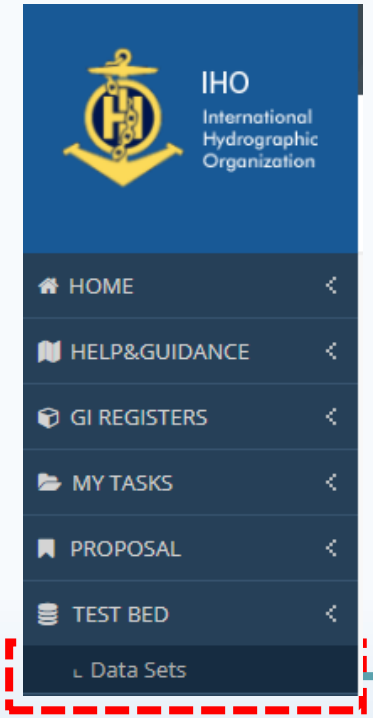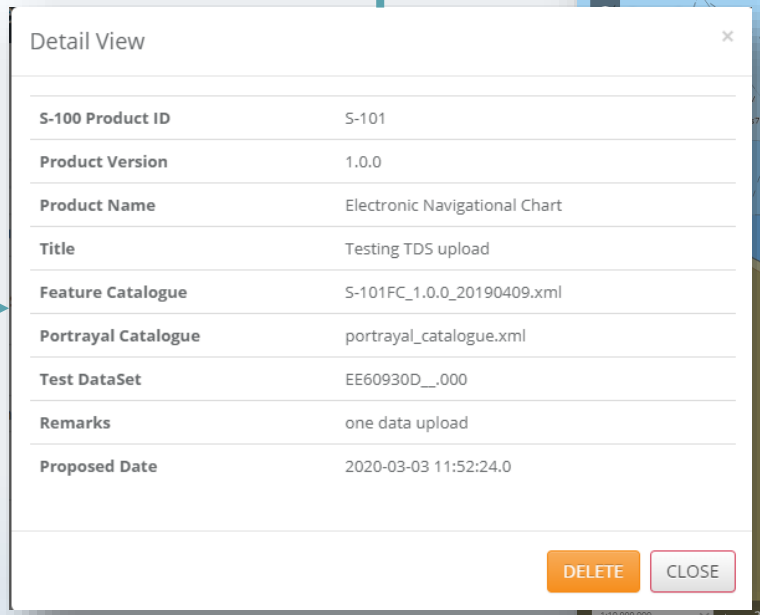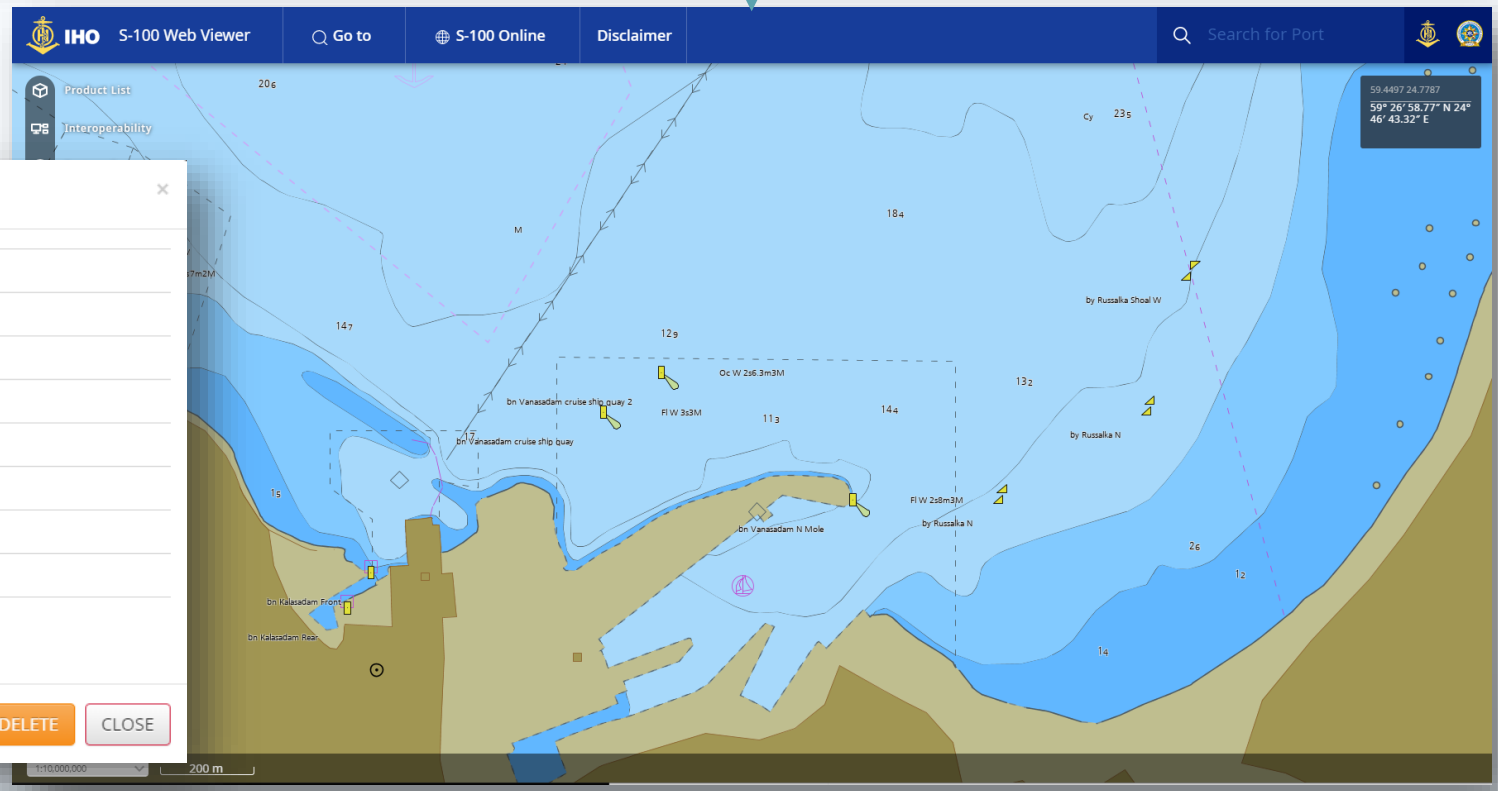
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