



MPA
SINGAPORE

The IHO-Singapore Innovation and Technology Lab

Dr Parry Oei

**General Manager, IHO-
Singapore Lab**

Objectives of the IHO- Singapore Lab

01 | Facilitate

The **conduct of innovative or investigative projects** proposed by IHO Member States(s), **IHO** organs, or other stakeholders. (including test bedding)

02 | Enable

Knowledge creation and foster collaboration to evaluate specifications of global standard setting within the scope of IHO standardization activities

03 | Foster

A **multidisciplinary and collaborative environment** for **technical experts** to interact learn and promote new solutions and technologies, including collaboration and cooperation with **other international organizations** research and development bodies active in the maritime domain under the guidance of a Governing Board

Update on Governing Board Meetings

Composition of the Governing Board

Development of S-57 to S-101 Conversion Guidance Document

S-131 Marine Harbour Infrastructure Database

Composition of the Governing Board



**Abri
Kampfer
Chair
(Director,
IHO)**



**Thomas
Dehling
Member
(Chair, IRCC)**



**Magnus
Wallhagen
Member
(Chair, HSSC)**



**Thomas Ting
Member
(Host Country
Rep)**



**Yong
Baek
Secretari
at
(IHO)**



**Parry Oei
General
Manager
(IHO Lab)**

Project 1 - Development of S-57 to S-101 Conversion Guidance Document

Goals of the Project:

- **Thoroughly test and propose refinements to the "S-57 to S-101 Conversion Guidance" document, produced by the IHO ENC Working Group (ENCWG)**
- **Use existing conversion tools to test the Conversion Guidance document and produce outputs conformant to its contents**

**Headed by:
Thomas Mellor, Chair
ENCWG**

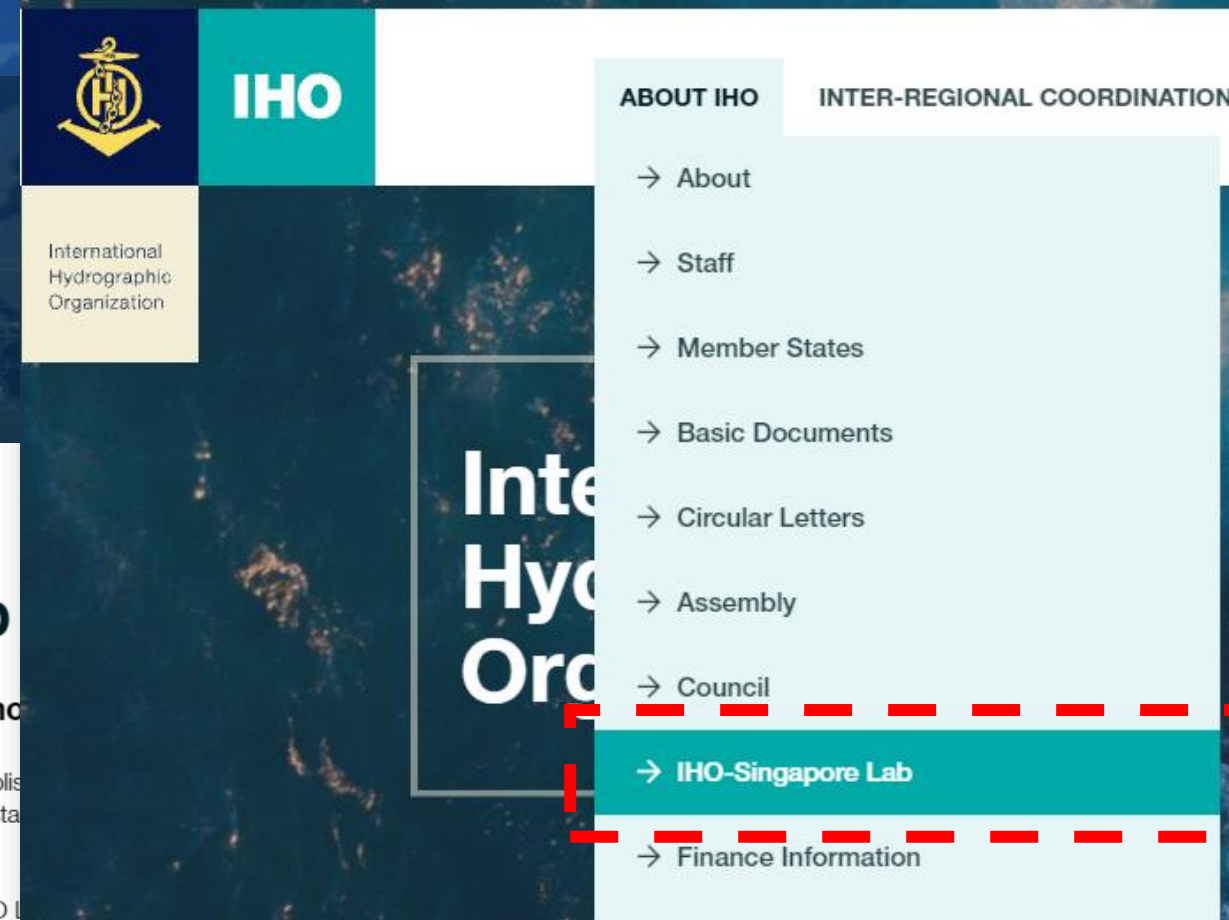
Project 2 - S-131 Marine Harbour Infrastructure Database

Goals of the Project:

- **Create a database and interface that will improve the information exchange between harbours and hydrographic offices by acting as a neutral repository of harbour information**

**Headed by:
Eiving Mong, Chair
NIPWG**

IHO-Singapore Lab Webpage



IHO-Singapore Lab

- Basic Documents
- Projects
- 1st IHO Lab Meeting (2021)
- 2nd IHO Lab Meeting (2021)

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IHO-Singapore Lab

IHO - Singapore Innovation and Techno

Collaboration between the IHO and Singapore to establish the IHO Lab (IHO Lab) is to encourage Member States, including Singapore, to develop a Proof-of-concept related to Hydrography.

In order to provide leadership and set direction, the IHO has established a Governing Board. The Governing Board is composed of the IHO Director in-charge of the IHO Work Programme II, the Chair of the Hydrographic Services and Standards Committee (HSSC), the Chair of the Inter-Regional Coordination Committee (IRCC) and up to three (3) representatives with administrative and/or technical expertise nominated by the host country Singapore.

Chair:	Director Abri KAMPFER (IHO Sec.)
Manager:	Dr. Parry OEI (Singapore)
Secretariat:	Assistant Director Yong BAEK (IHO Sec.)

Looking for something specific?

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Conclusion

Governing Board Meetings (11 May and 8 Sep 2021)

- Established procedures for submission of project proposals
- Agreed that the 2 pilot projects would be useful to test and make improvements, where appropriate
- Encouraged the involvement of industry stakeholders

Governing Board looks forward to evaluating the projects for approval





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For Information