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, Secretariat at (IHO)
- Parry Oei, General Manager (IHO Lab)
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

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IHO-Singapore Lab

IHO - Singapore Innovation and Technology

Collaboration between the IHO and Singapore to establish the IHO-Singapore Lab (IHO Lab) is to encourage Member States, including Singapore, to contribute to and benefit from the development of technologies for coastal and ocean activities. The IHO Lab will facilitate the development of relevant technologies and their application to address issues related to Hydrography.

In order to provide leadership and set direction, the IHO-Singapore Lab has 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 KAMPPFER (IHO Sec.)
Manager: Dr. Parny CEN (Singapore)
Secretariat: Assistant Director Yong BAEK (IHO Sec.)
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