



5th Meeting of the IHO Council

Report on the IHO-Singapore Innovation and Technology Lab

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C-5, VTC, 19 – 21 October 2021



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OBJECTIVES OF THE IHO-SINGAPORE LAB

International
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Organization

FACILITATE

- the conduct of innovative or investigative projects proposed by IHO Member State(s), IHO organs, or other stakeholders. (including test bedding)

ENABLE

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

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

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UPDATE ON GOVERNING BOARD MEETINGS

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- **Composition of the Governing Board**

- Abri Kampfner – Chair (Director, IHO)
- Thomas Dehling – Member (Chair IRCC)
- Magnus Wallhagen – Member (Chair HSSC)
- Thomas Ting – Member (Host Country Rep)
- Yong Baek – Secretariat (IHO)
- Parry Oei – General Manager (IHO Lab)

- **Inaugural Governing Board Meeting - 28 April 2021**

- Established 2-step procedures for submission of project proposal
- Identified 2 project proposals ie. S-57 to S-101 and S-131 as pilot projects

- **2nd Governing Board Meeting - 8 September 2021**

- Evaluated and given in-principle approval for detailed submission of Project Proposals
- Encouraged the involvement of Industry stakeholders
- Awaiting detailed submission for final evaluation



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DEVELOPMENT OF S-57 TO S-101 CONVERSION GUIDANCE DOCUMENT

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- The goal of the Project is to thoroughly test, and propose refinements to, the "S-57 to S-101 Conversion Guidance" document, produced by the IHO ENC Working Group (ENCWG).
- To use existing conversion tools to test the Conversion Guidance document and produce outputs conformant to its contents.
- Headed by Thomas Mellor, Chair ENCWG



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S-131 MARINE HARBOUR INFRASTRUCTURE DATABASE

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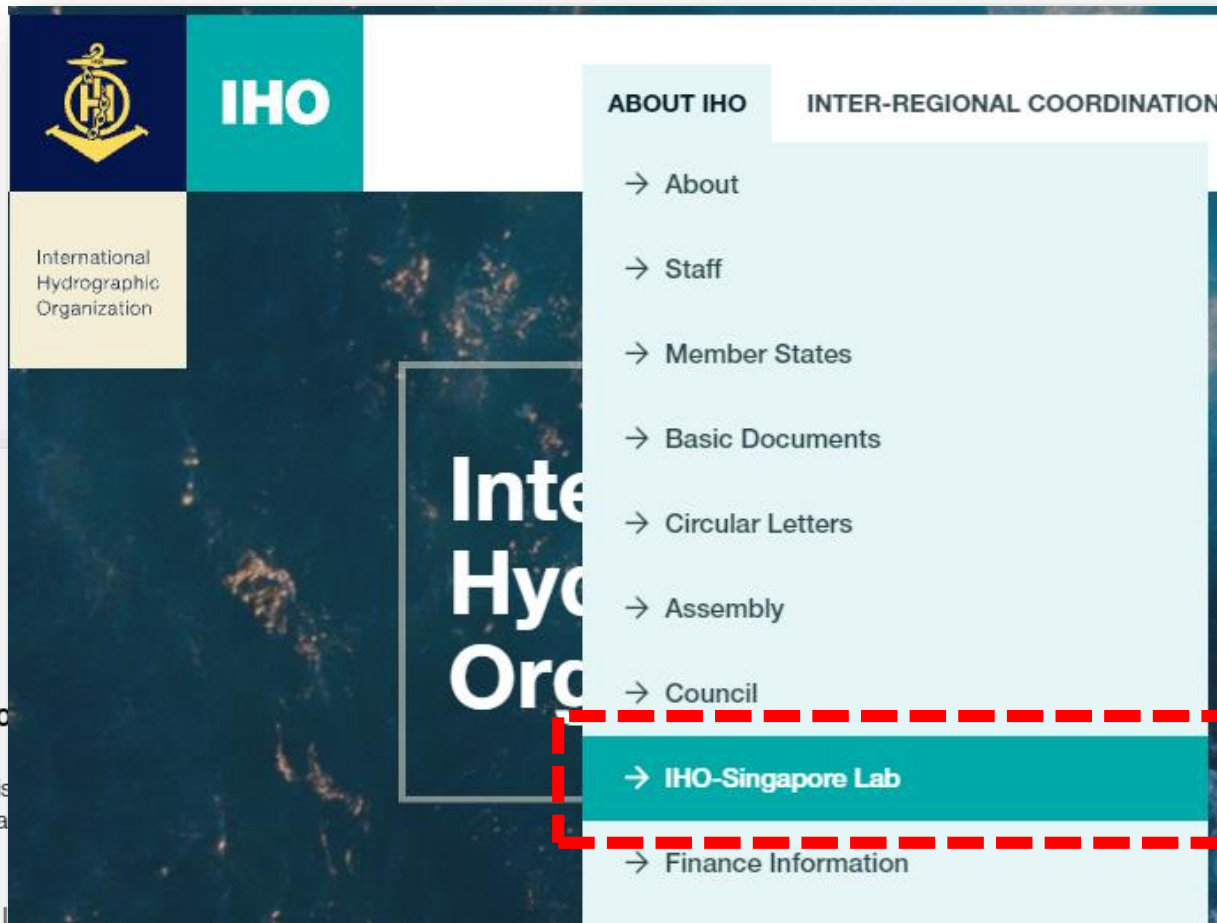
- The Marine Harbour Infrastructure Database Project aims to create a database (and interface) that will improve the information exchange between harbours and hydrographic offices by acting as a neutral repository of harbour information.
- Headed by Eivind Mong, Chair NIPWG



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IHO-SINGAPORE LAB WEBPAGE

International Hydrographic Organization



IHO-Singapore Lab

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

HOME > IHO-SINGAPORE LAB

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 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?

Start typing





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CONCLUSION

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- Governing Board simplified the 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