

# Joint IHO-Singapore Innovation and Technology Laboratory

Report to IRCC13  
VTC, 23 – 25 June 2021

By Dr Parry Oei  
General Manager of the IHO Lab



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IRCC13-07M

# Presentation Outline

1. Objectives of the IHO Lab
2. Structure of the Governing Board
3. IHO Lab Management Team – TOR
4. Qualifying Organisations
5. Update on 1<sup>st</sup> Governing Board Meeting
6. Glimpse of IHO Lab and Proposed Launch Date



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# IHO Innovation and Technology Lab: Objectives

## 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

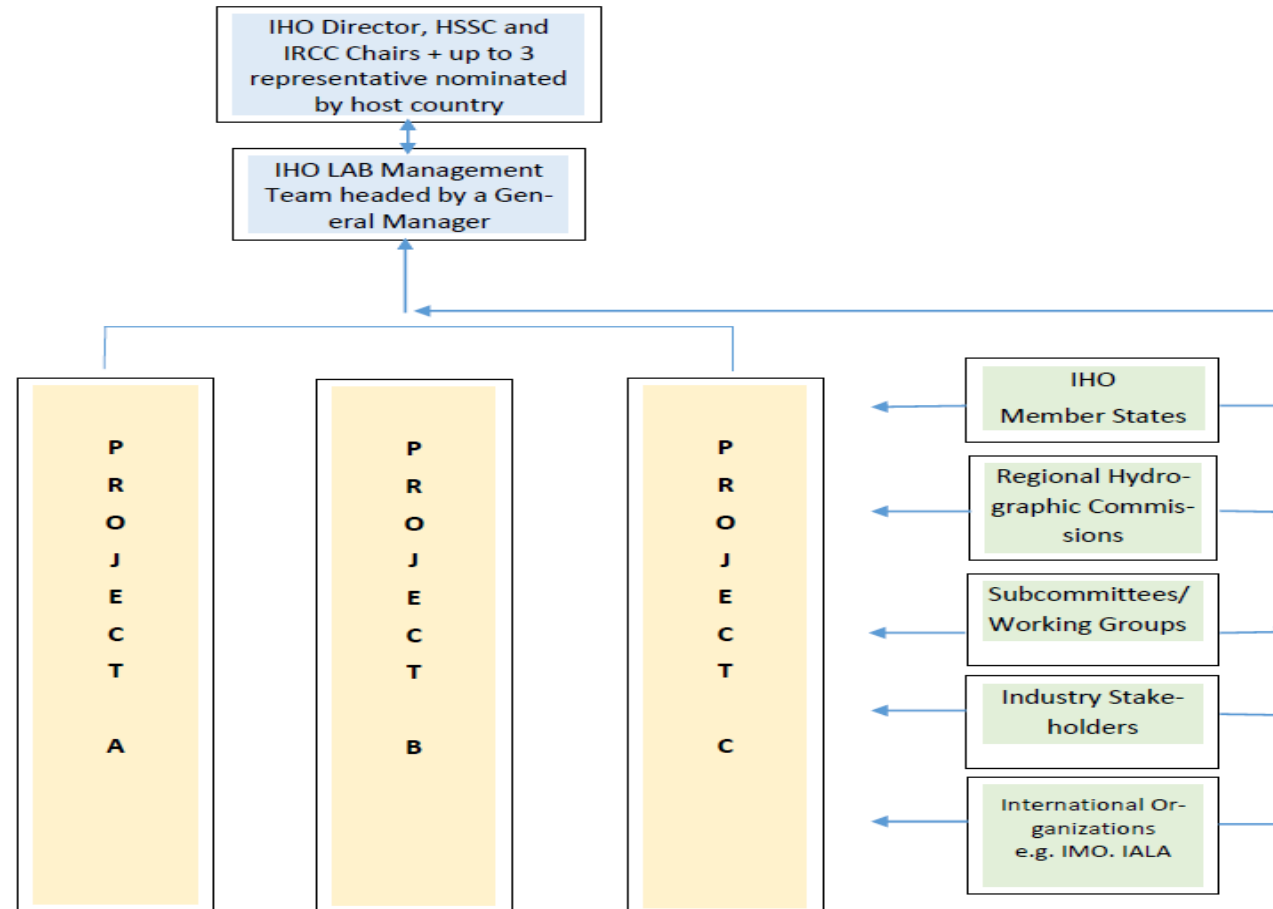


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# Structure of IHO Lab Governing Board



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# IHO Lab Management Team: Terms of Reference

## **IHO Director, Chairs of HSSC and IRCC + up to 3 host country representatives:**

Setting strategic directions of the IHO Lab;  
Endorsing IHO Lab annual work plans, budgets, projects and initiatives;  
Overseeing IHO Lab's innovation and technology project(s) milestones, progress and outcomes; and  
Submitting Annual Report and Recommendations to the IHO Council.

## **General Manager, IHO Lab:**

Reviewing the proposed work plans  
Monitoring IHO Lab's project activities, progress and outputs  
Managing the technical reviews of IHO Lab's projects and new proposals  
Proposing and executing IHO Lab's work plans;  
Managing IHO Lab's operations and project activities;  
Driving IHO Lab's to deliver outcomes;  
Attending HSSC and IRCC meetings to update on the IHO Lab's project activities, progress and outputs; and  
Where appropriate, to attend RHC meetings to share activities and knowledge with IHO Member States.



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# Qualifying Organisations for Submission of Project Proposal

Participating parties undertaking the projects under the IHO Lab have to be :

- IHO Member States;
- IHO with other International Organisations; or
- Stakeholders in partnership with an IHO Member State(s).



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# 1<sup>st</sup> Meeting of the Governing Board

- Meeting was held on 28 April 2021
- Attended by IHO Director, Chairs of HSSC and IRCC, representative from Host Country
- IHO Director Appointed Chair of the Governing Board
- Dr Parry Oei appointed General Manager of the Lab



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# Possible Projects Identified by HSSC 13th Meeting

- HSSC noted the ENCWG's proposal for the Joint IHO-Singapore Lab to consider testing the automated conversion of S-57 to S-101. To be considered when the Board is commissioned.
- HSSC/IHO Secretariat to consider the most suitable options for establishing this IHO infrastructure (IHO GIS Infrastructure within which S-131 database is managed). Possible project to be considered by Joint IHO-SG Lab for experimentation.



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# Glimpse of IHO Lab and Proposed Launch Date

## Moving Forward

- October 2021: Planned to be officially launched alongside the Joint IHO-UN-GGIM-OGC Webinar(s), Singapore.
- Pilot studies could kickstart before October 2021.
- Singapore's in-kind contributions: Work Space + Manpower Costs



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# Thank You



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