



IALA Risk Management Seminar

Language: English

Duration: 10:00 a.m. on Wednesday, 18 June until midday on Friday, 20 June 2025.

Location: IALA Headquarters, 10 rue des Gaudines, 78100, St Germain en Laye, France

Participation Fees: €500

A certificate of participation will be provided. For further information, please contact the IALA World-Wide Academy: academy@iala.int

INTRODUCTION

Understanding and assessing navigational risk is vital to meet international maritime and regional marine spatial planning obligations, which seek to minimize the risk of accidents, protect the marine environment, and ensure the efficient operation of shipping routes. Taking into account the needs of mariners and infrastructure developers, and the requirements and constraints of Marine Aids to Navigation (AtoN) authorities, IALA regularly offers the opportunity to exchange and compare related experiences and developments. Your next opportunity to join us will be at this IALA Risk Management Seminar, specifically tailored to:

- Provide insight into current developments in maritime risk management.
- Facilitate collaborative sessions to share experiences and address practical challenges.
- Foster networking opportunities.
- Advance the development of the IMO endorsed [IALA Risk Management toolbox](#).

PROVISIONAL THEMES FOR DISCUSSION

General Approach to Navigational Risk Management

- Core concepts in navigational risk management
- Data integration and validation
- Model validation processes

Modelling and Analysis Techniques

- Enhancements to traffic distribution models
- Modelling dispersed traffic in sea areas
- Applicability of causation factors and local adjustments
- Simulation of risk control "what-if" scenarios
- Incorporation of non-AIS vessel movements
- Modelling of windfarms
- Improvements in AIS data processing
- Impact assessment

Development of the IALA Risk Management Toolbox

- IWRAP software development update
- Complementary use of IWRAP with other tools

SUGGESTED SKILLS

This seminar is tailored for experts including maritime professionals, researchers, and software developers, including IWRAP-users.

SEMINAR LOGISTICS

A list of hotels near the IALA Headquarters is published on the IALA website: <https://www.iala-aism.org/contact/>. Participants are welcome to register on the IALA-WWA webpage: <https://academy.iala-aism.org/www/training/course-schedules/>. Attendance at this seminar includes the following:

- Participation in all sessions
- Certificate of participation
- Welcome reception
- Lunches and coffee/tea breaks

CANCELLATION

Cancellations must be sent by e-mail to contact@iala.int

Further information, including the seminar programme, will be published on the IALA website in due course, but in the meantime, please register your interest on the IALA WWA webpage.

Please find below the provisional schedule. Updates will be made as affiliations register their interest and submit further information.

Wednesday, 18 June 2025		
Session	General topics	Affiliation(s)
Morning	<ul style="list-style-type: none">▪ Welcome	IALA World-Wide Academy
	<ul style="list-style-type: none">▪ Core concepts in navigational risk management▪ Data integration and validation▪ Model validation processes	Taltech, Estonian Maritime Academy
	<ul style="list-style-type: none">▪ Topics to be included	RISE Research Institutes of Sweden
	Lunch	
Afternoon	<ul style="list-style-type: none">▪ Modelling dispersed traffic in sea areas▪ IWRAP software development update▪ Complementary use of IWRAP with other tools	Faculty of Maritime Studies in Split (Croatia)
	<ul style="list-style-type: none">▪ Topics to be included	Maritime Research Institute Netherlands
	<ul style="list-style-type: none">▪ Core concepts in navigational risk management▪ AIS data storage retrieval and analysis▪ Complementary use of IWRAP with other tools▪ Use of IWRAP within large scale consultancy projects	Marico Marine
Welcome reception at IALA Headquarters		
Thursday, 19 June 2025		
Morning	<ul style="list-style-type: none">▪ Data integration and validation▪ AIS data storage, retrieval, and analysis▪ Facilitating risk management workshops▪ Improvements in AIS data processing▪ Complementary use of IWRAP with other tools▪ Case study on the complementary use of AIS data in risk analysis	Royal Haskoning DHV
	<ul style="list-style-type: none">▪ Core concepts in navigational risk management▪ Data integration and validation▪ Incorporation of non-AIS vessel movements▪ Modelling of wind farms▪ Complementary use of IWRAP with other tools	NASH Maritime
Lunch		
Afternoon	<ul style="list-style-type: none">▪ AIS data storage, retrieval, and analysis	IALA World-Wide Academy
Friday, 20 June 2025		
Morning	<ul style="list-style-type: none">▪ Overview of the work of IALA and the IALA WWA	IALA World-Wide Academy
	<ul style="list-style-type: none">▪ Risk management in the context of international conventions and IALA guidance	
	<ul style="list-style-type: none">▪ Presentation and discussion of developments to IWRAP	Engberg Solutions