



# IALA and the World-Wide Academy

NIOHC, Oman

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# Headquarters

St. Germain-en-Laye, near Paris, is the home base of IALA providing:

- Offices of the permanent secretariat and
- IT-equipped meeting rooms for technical committees, workshops and seminars







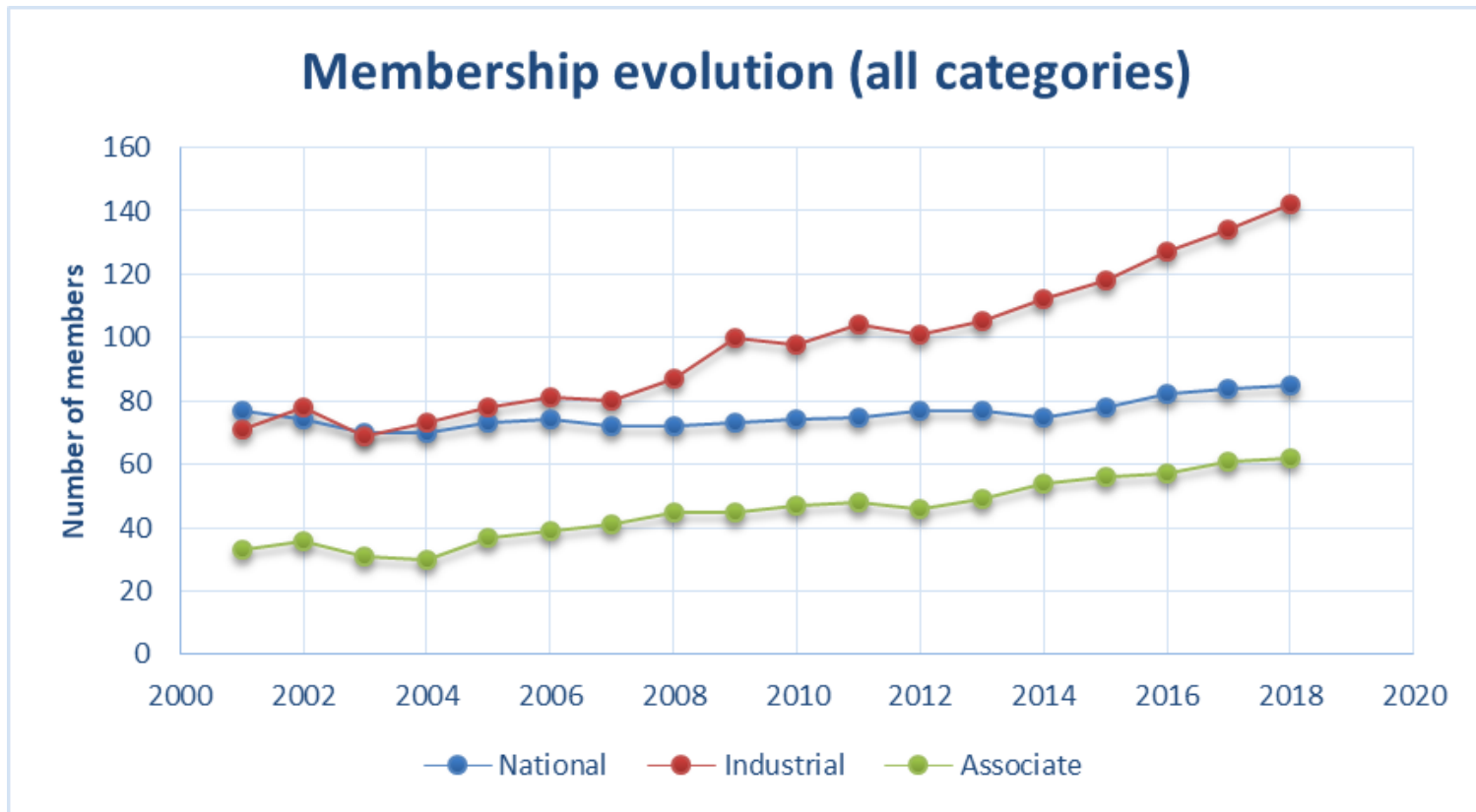
## Four types of Membership

- 87 National Members (Coastal States)
- 62 Associate Members
- 142 Industrial Members
- 47 Honorary Members





# Membership





## The IALA 'motto' and principal aims

"Successful voyages, sustainable planet"

- To harmonise standards for Aids to Navigation systems worldwide
  - To facilitate the safe and efficient movement of shipping
  - To enhance the protection of the marine environment
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# IALA Strategic Vision and Goals for 2026

## Goal 1

Marine Aids to Navigation are developed and harmonized through international cooperation and the provision of standards.

## Goal 2

All coastal states have contributed to a sustainable and efficient global network of Marine Aids to Navigation through capacity building and the sharing of expertise.







# The Maritime Buoyage Agreement

IALA A and IALA B

During the IALA conference in November 1980 two navigation marking systems, i.e. the System A (red color at left hand side of the ship) and the System B (red color at right hand side of the ship), were combined into one - the **IALA Maritime Buoyage System**.





# The Committees

The “Power House” of IALA

- AtoN Requirements and Management (ARM)
- Engineering and Sustainability (ENG)
- Vessel Traffic Services (VTS)
- e-Navigation (ENAV)





# Publications

Main result of the Committees' work

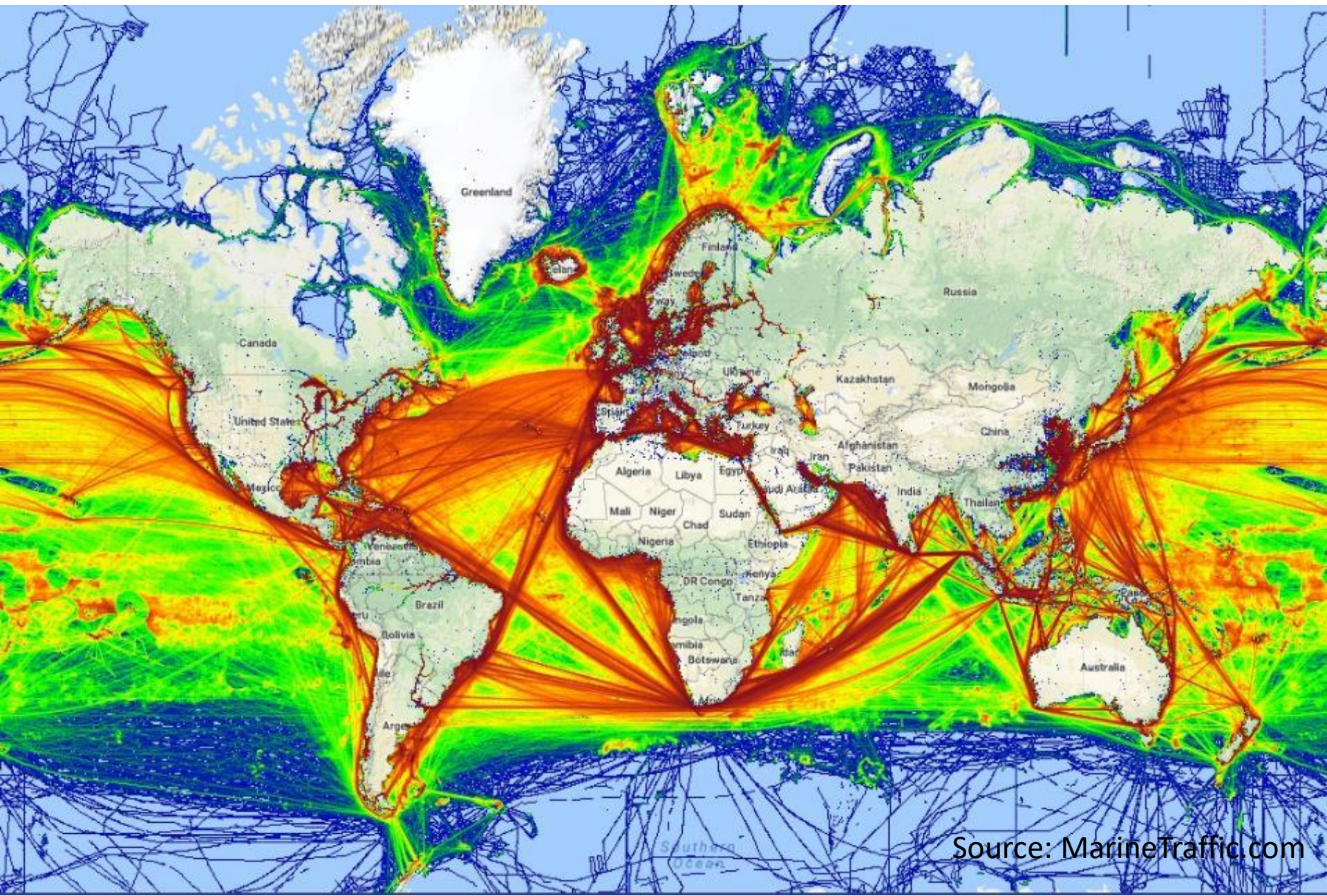
- **Standards** which can be referred to directly in IMO and other international conventions and in national maritime laws.
  - **Recommendations** which advise what should be done.
  - **Guidelines** which advise how to implement the recommendations as 'best practice'.
  - **Manuals** which provide general reference materials (NAVGUIDE; MBS; VTS Guide; IALA Dictionary).
  - **Model courses** which provide guidance on the training of VTS personnel, Aids to Navigation Managers and Aids to Navigation Technicians.
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# The World-Wide Academy

Training and capacity building

There are some challenges out there...



Source: MarineTraffic.com

# IALA Strategic 2014-2026 Goals for *“Successful voyages, sustainable planet.”*



- G1 – Marine Aids to Navigation are harmonised through international cooperation and the provision of standards.
- **G2 - All coastal states have contributed to an efficient global network of Marine Aids to Navigation through capacity building and the sharing of expertise.**



# The IALA World-Wide Academy



- Inaugurated January 2012
- Independently funded
- Integral part of IALA

- 1. *Education and training*
- 2. *Capacity building, and*
- 3. *Research & development*





# What do we do?

- **Education and Training**
    - Oversee IALA Training Accreditation scheme
    - Support Accredited Training Organisations
    - Deliver training on Risk Management and other special topics
  - **Capacity Building**
    - High Level Missions, raising awareness
    - Technical Assessment Missions to Coastal States in need
    - Long-term partnership and follow up activities with Coastal States
  - **Research & Development**
    - Determine knowledge gaps and need for R&D
    - Promote R&D
    - Harvest R&D results and feed this into IALA Committees
  - Meanwhile, we have a lot of fun.
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# **World-Wide Academy Capacity Building in developing countries**



## Missions and reviews

### 2018 Need Assessments:

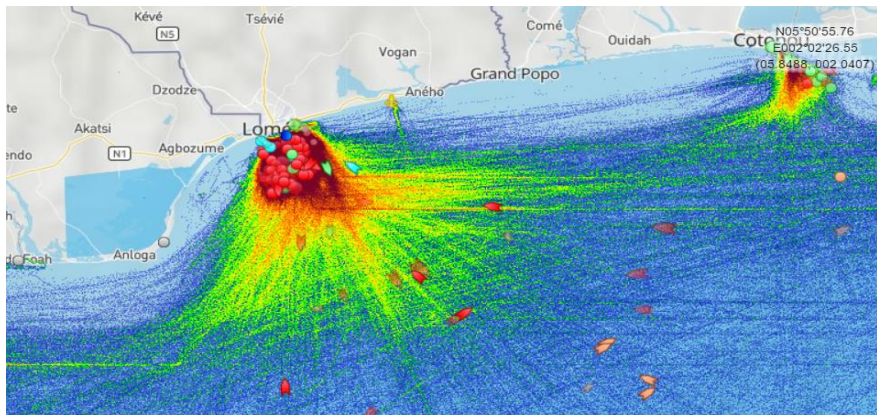
- Mozambique
- Angola
- Timor-Leste
- Madagascar
- Tuvalu

### 2018 Review missions:

- Togo
- Sudan
- Trinidad & Tobago
- Georgia
- Mauritius
- Nigeria

### 2019 Missions/reviews:

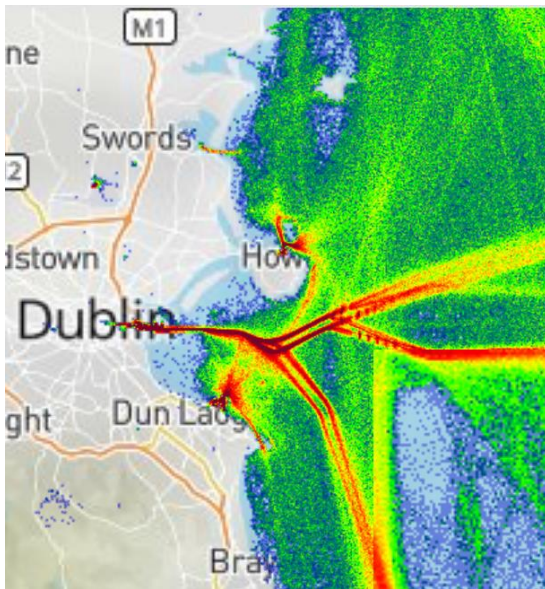
- Namibia
- Tunisia
- Gabon
- Thailand
- Haiti
- (Somalia)
- Belize
- Cambodia
- Vietnam
- Seychelles
- Philippines
- Timor-Leste



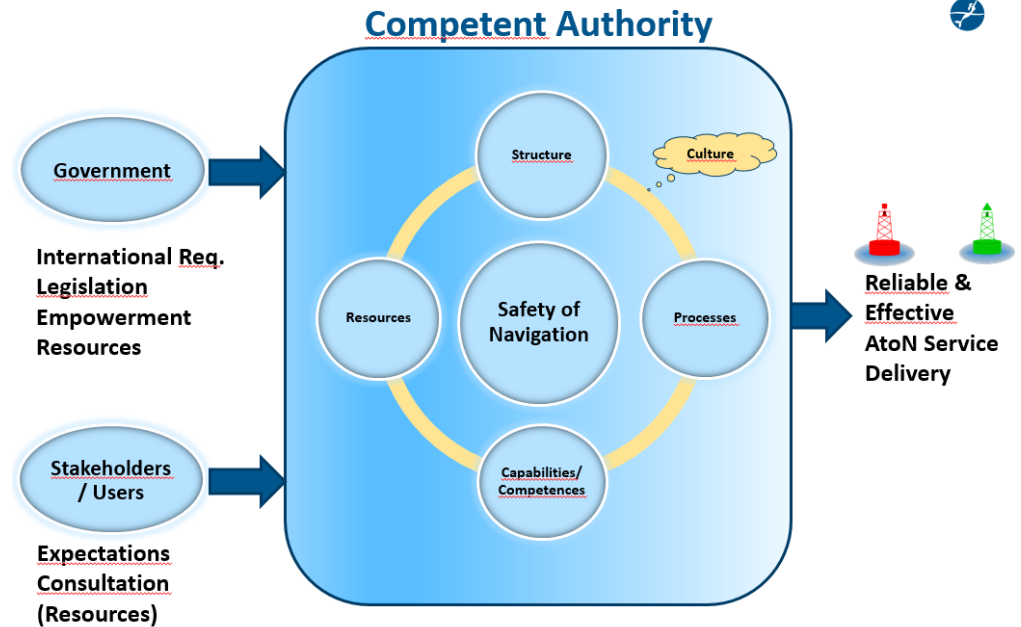


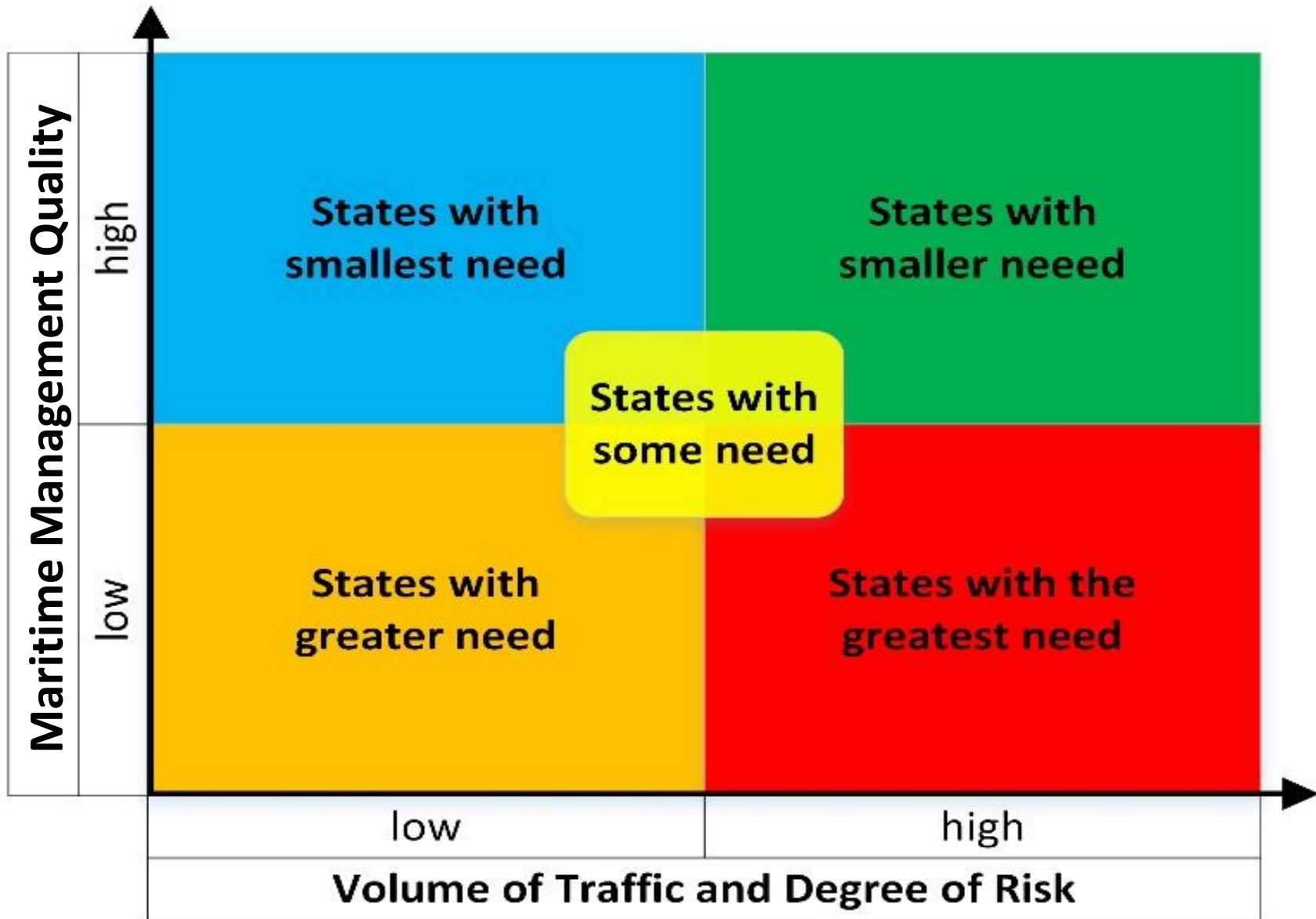
# Coastal State Analysis

## Volume of Traffic and Degree of Risk



## Maritime Management Quality





# States in need (2018)

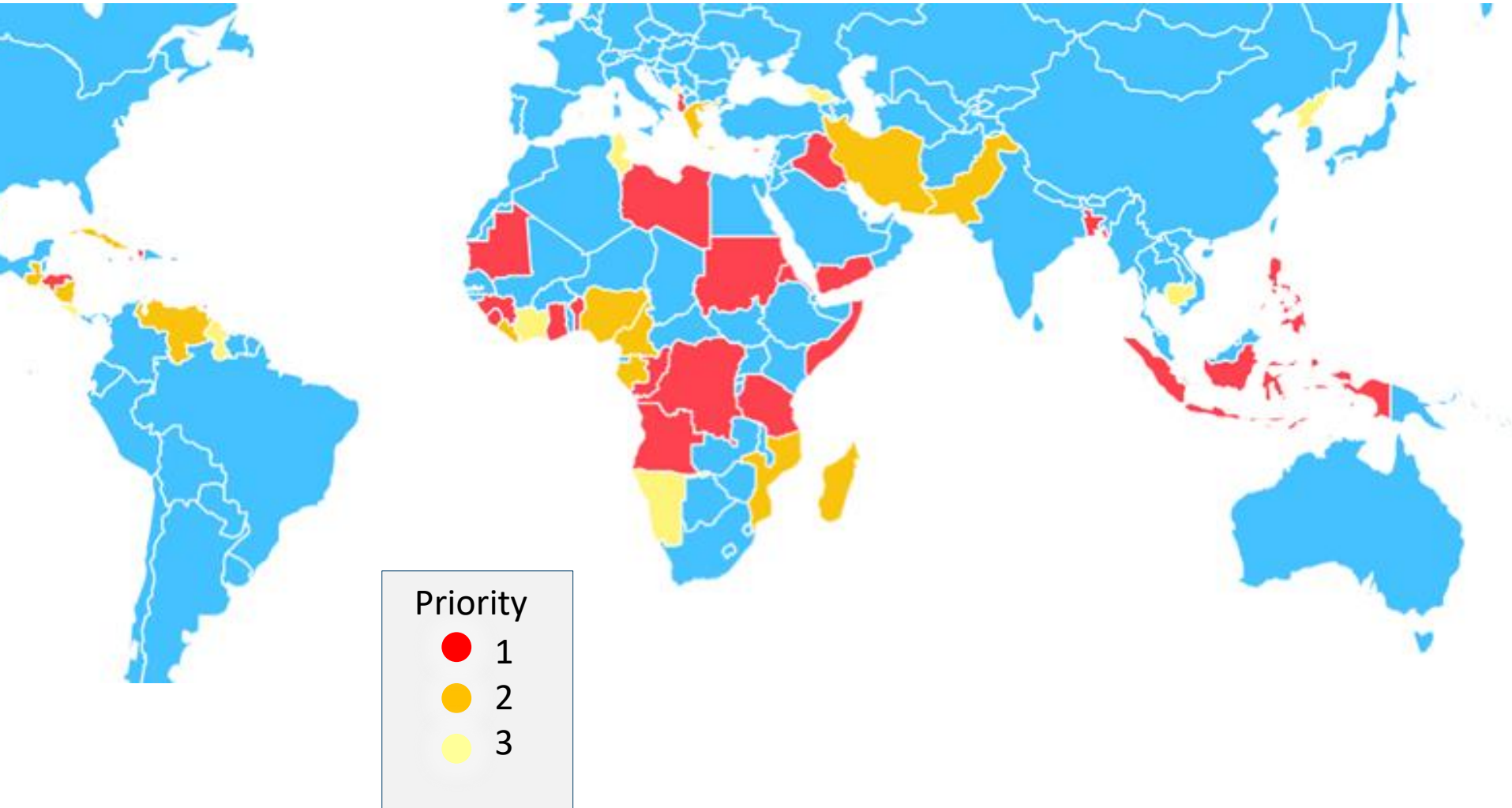


*Priority 1-3 Reduced from 78 to 62*

DEGREE OF NEED	AFRICA	EUROPE	ASIA	PACIFIC	AMERICAS	TOTAL
Smallest need	1	12	8	1	6	28
Smaller need	1	8	2	3	5	19
Lesser need	8	8	10	8	9	43
Some need (priority 3)	6	1	3	1	4	15
Greater need (priority 2)	8	1	2	3	7	21
Greatest need (priority 1)	14	2	7	0	3	26



# Those in need (still)





# International Obligations

Related to the provision of VTS and AtoN services



## International Criteria for AtoN Service Provision

Vessels must be able to navigate **safely and expeditiously** berth to berth

All AtoN including VTS must be provided based on the volume of maritime traffic and a formal **risk assessment**

Short-range AtoN provided must be immediately recognisable and harmonised – the IALA MBS (**Ref: IALA Rec R1001**)

Key “**stakeholders**” must be kept fully **informed** of existing AtoN and any changes to them





# SOLAS V – Safety of Navigation

From 1 July 2002 Contracting Governments are **obliged** to provide services essential to safe navigation

SOLAS V Regulation 1 states that “unless expressly provided otherwise” it shall apply to **all ships on all voyages** except warships and ships navigating only in the Great Lakes of North America.

**Key** Chapter V Regulations related to VTS and AtoN service provision are 4; 9; 10; 11; 12; 13 and 19.

What does each cover?



# Key SOLAS V Regulations

4 - Navigational Warnings: WWNWS

9 – Hydrographic Services

10 – Ships Routeing

11 – Ships Reporting Systems

12 – Vessel Traffic Services

13 – Aids to Navigation Services

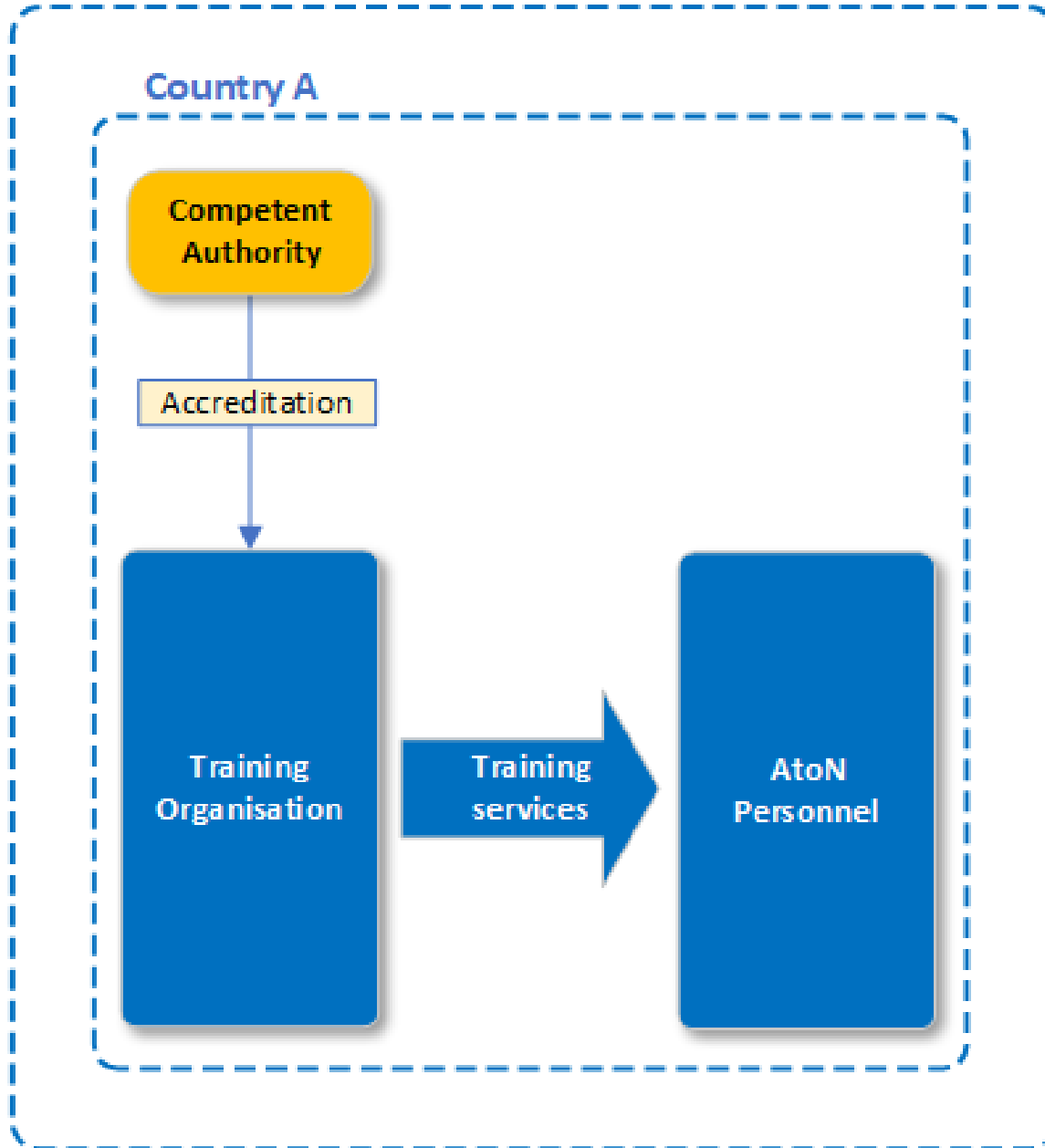
19-2.4 – AIS carriage requirements

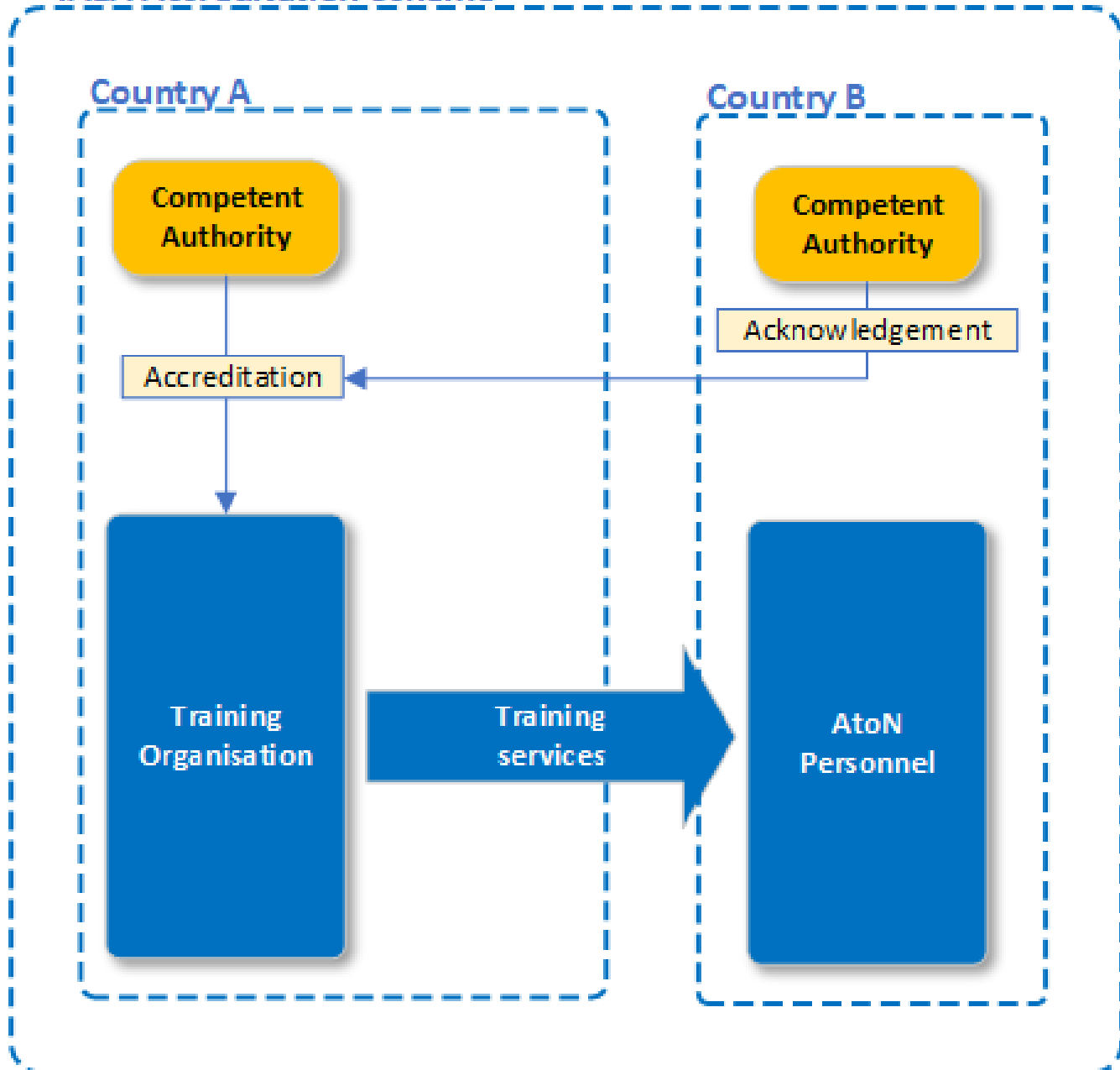


# Education and Training



# IALA Accreditation Scheme





# Current Level 1 AtoN Manager Training Scheme



## Entry requirements

- A** Has been AtoN Manager for years
- B** Has higher education (University/Academy)
- C** Has medium level of education
- D** Has limited education

- Evaluation/Examination
- Module 1 & 2 Examination
- Screening
- Under development



# WWA MAKES LEAVES GROW ALL OVER THE WORLD

From small shoots big trees grow ...  
The leaves illustrate the different stages of development of ATOs delivering A model courses.





## International Level 1 Aids to Navigation Managers







## Lecturing in Academia

- Visiting Professor(s) at Jimei University  
in Xiamen, China  
**(Risk Management Toolbox etc.)**
- Lecturing at the World Maritime University  
in Malmö Sweden  
**(Aids to Navigation Systems).**





## The IALA World-Wide Academy Team Jacques, Gerardine, Omar and Stephen



# Delivering as one



## SUSTAINABLE DEVELOPMENT GOALS





## The future

- AtoN Accreditation & Training
- VTS Accreditation & Training
- Master in Aids to Navigation
- *Train the Lecturer courses*
- Examination principles
- Distance Learning ( **e-Learning platform** )
- Missions and Reviews
- Focus on Africa





# IALA

**Successful voyages, sustainable planet**

## **World-Wide Academy**

**a success story**





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