



The world of a Barge Adviser

IVR congress Amsterdam May 25th 2023





OCIMF IN NUMBERS

OCIMF
IN NUMBERS

53
YEARS OF OCIMF 1970 - 2023

3

PRINCIPAL COMMITTEES

15

FUNCTIONAL COMMITTEES AND
EXPERT GROUPS

25,453

FOLLOWERS ON [LinkedIn](#)

3,057

NEWSLETTER SUBSCRIBERS

109 MEMBERS IN **45** COUNTRIES

- ANGOLA
- ARGENTINA
- AUSTRALIA
- AUSTRIA
- BRAZIL
- CANADA
- CHILE
- CHINA
- COLOMBIA
- EQUADOR
- FINLAND
- FRANCE
- GERMANY
- GREECE
- INDIA
- INDONESIA
- ITALY
- JAPAN
- KAZAKHSTAN
- KUWAIT
- MALAYSIA
- MEXICO
- MOROCCO
- NETHERLANDS
- NIGERIA
- NORWAY
- PERU
- PHILIPPINES
- PORTUGAL
- QATAR
- RUSSIA
- SAUDI ARABIA
- SINGAPORE
- SOUTH AFRICA
- SPAIN
- SWEDEN
- SWITZERLAND
- THAILAND
- UNITED ARAB EMIRATES
- UNITED KINGDOM
- UNITED STATES
- VIETNAM

52

INFORMATION PAPERS

32

BOOKS

SHIPS
INSPECTED

9,447

REPORTS UPLOADED

22,766

REPORTS DOWNLOADED

18,324

BARGES
INSPECTED

7,782

REPORTS UPLOADED

9,335

REPORTS DOWNLOADED

7,270

OFFSHORE
VESSELS INSPECTED

2,911

REPORTS UPLOADED

3,042

REPORTS DOWNLOADED

2,270

358 OVID
INSPECTORS

496 SIRE SHIP
INSPECTORS
(CAT 1)

134 SIRE BARGE
INSPECTORS
(CAT 3)

OVID STATISTICS

	TOTAL
TOTAL VESSELS REGISTERED AT END 2022	6,517
VESSELS REGISTERED IN 2022	462
NUMBER OF INSPECTIONS	3,042
NUMBER OF VESSELS INSPECTED	2,911
INSPECTIONS PURCHASED - DISTINCT INSPECTIONS	1,508
INSPECTIONS PURCHASED - TOTAL PURCHASE	2,140
TOTAL OPERATORS REGISTERED END OF 2022	1,306
NUMBER OF OPERATORS REGISTERED IN OVID	88
TOTAL OVMSAS PUBLISHED AT END 2022	1,002
OVMSAS PUBLISHED IN 2022	388

SIRE STATISTICS

	SHIPS CAT 1	BARGES CAT 3	TOTAL
TOTAL VESSELS REGISTERED AT END 2022	4,160	4,420	8,580
VESSELS REGISTERED IN 2022	505	416	921
NUMBER OF INSPECTIONS	22,766	9,335	32,101
NUMBER OF VESSELS INSPECTED	9,447	7,782	17,229
INSPECTIONS PURCHASED - DISTINCT INSPECTIONS	31,083	12,545	43,628
INSPECTIONS PURCHASED - TOTAL PURCHASE	167,814	40,025	207,839
TOTAL OPERATORS REGISTERED END OF 2022			2,277
NUMBER OF OPERATORS REGISTERED IN SIRE			254
TOTAL TMSAS PUBLISHED AT END 2022			1,237
TMSAS PUBLISHED IN 2022			1,341

141 MTIS
BERTHS REGISTERED

23 MTIS
TERMINALS REGISTERED

A Refreshed Vision



**A global marine industry that causes no harm
to people or the environment.**

Vision, Mission and Strategic Priorities

Vision

A global marine industry that causes no harm to people or the environment.

To lead the global marine industry in the promotion of safe and environmentally responsible transportation of crude oil, oil products, petrochemicals and gas, and to drive the same values in the management of related offshore marine operations. We do this by developing best practices in the design, construction and safe operation of tankers, barges and offshore vessels and their interfaces with terminals and considering human factors in everything we do.



Publications

Develop best practices on critical areas of safety, health, security and environment.



Advocacy

Promote best practices and regulatory compliance through engagement with governments and industry.



Programmes

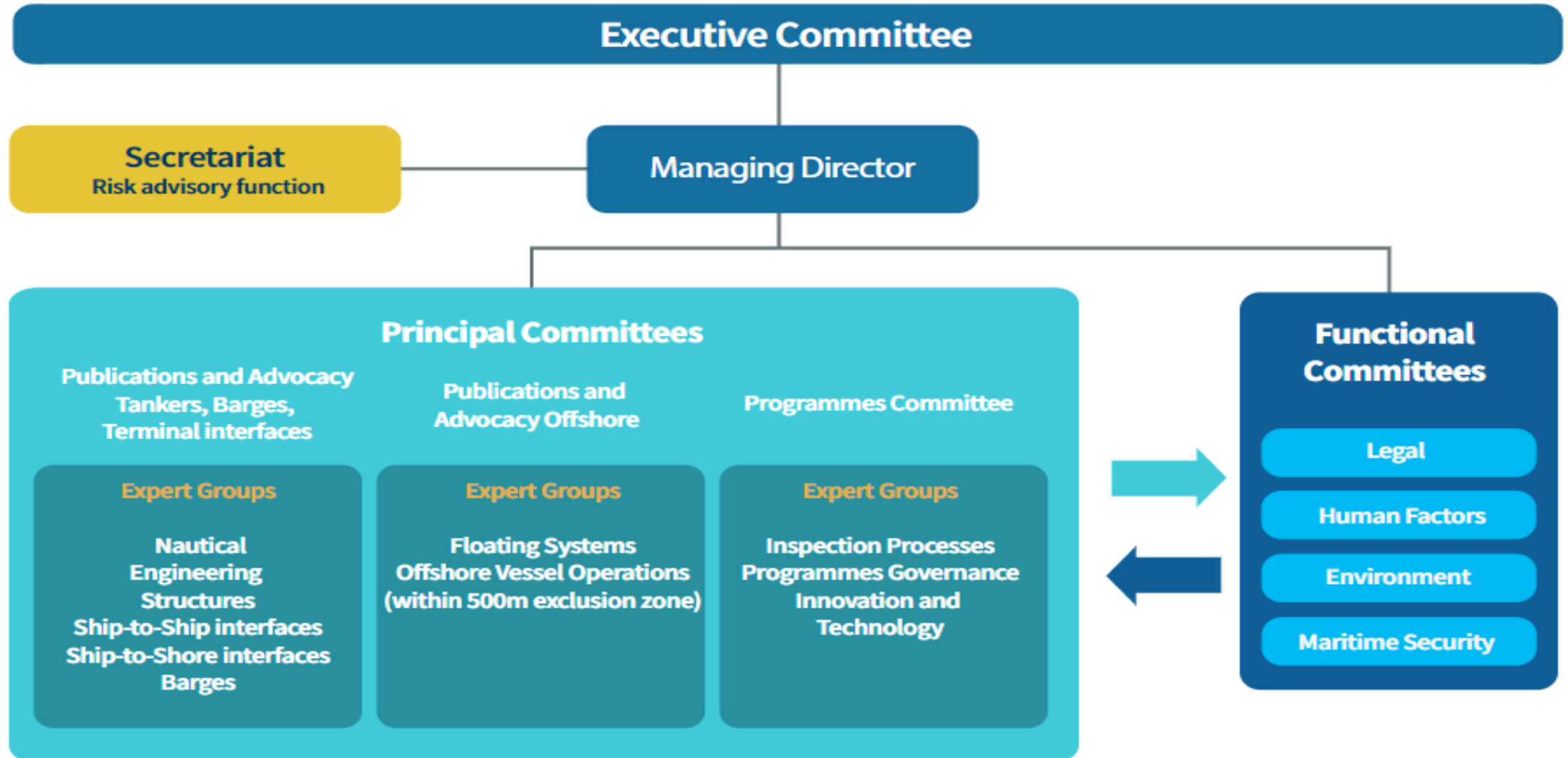
Develop inspection and self-assessment programmes for promoting best practices and regulatory compliance.



Members collaboration

Provide a forum for members to learn, share expertise and develop best practices.

Committee structure



OCIMF Secretariat



Nick Potter
Chairman

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Karen Davis
Managing Director

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Aaron Cooper
Programs Director

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Philip Pascoe
General Counsel & Business Support Director

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Rebecca Harrison
Office Manager and Executive Assistant to the Managing Director

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Symone Cupidore-Roig
Publishing & Communications Manager (Maturity Zone)

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Sarah Campbell
Editor

[VIEW PROFILE >](#)



Ajay Gour
Inspector Training & Accreditation Manager

[VIEW PROFILE >](#)



Saurabh Sachdeva
Publications & Advocacy Director (Responsible Representation to IBC)

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Steve Alder
Governance & Performance Manager

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William Elkins
Senior IT Manager

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Kevin Coelhe
Technical Advisor

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Anita Borsberry
Training & Accreditation Administrator

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Louise Britchford
Training & Accreditation Administrator

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Helen Watkins
HR Manager (Full Time)

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Ella Koprowska
Contract Administrator

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Russell Pegg
Security Advisor

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Filipe Santana
Programming Advisor

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Graham Colles
Offshore Advisor

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Abhijit Aul
Risk and Regulatory Affairs Advisor

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Teresa Cox
Accounts & HR Administrator

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Emma Carter
Administration Officer (Publications & Advocacy)

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Fiona Ramos
Administration Officer (Programs)

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Luo Hongbo
Quality Assessor

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Ton Mol
Temp Advisor (Temporary)

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Aziz Bonbelkacem
Programs Contracts Manager

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Sach Sharma
Quality Assurance Manager

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Fabiano Dias
IT Manager

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Unni Memon
Quality Assessor

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Rohit Bajaj
Quality Assessor

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Sashidharan Gopala
Quality Assessor

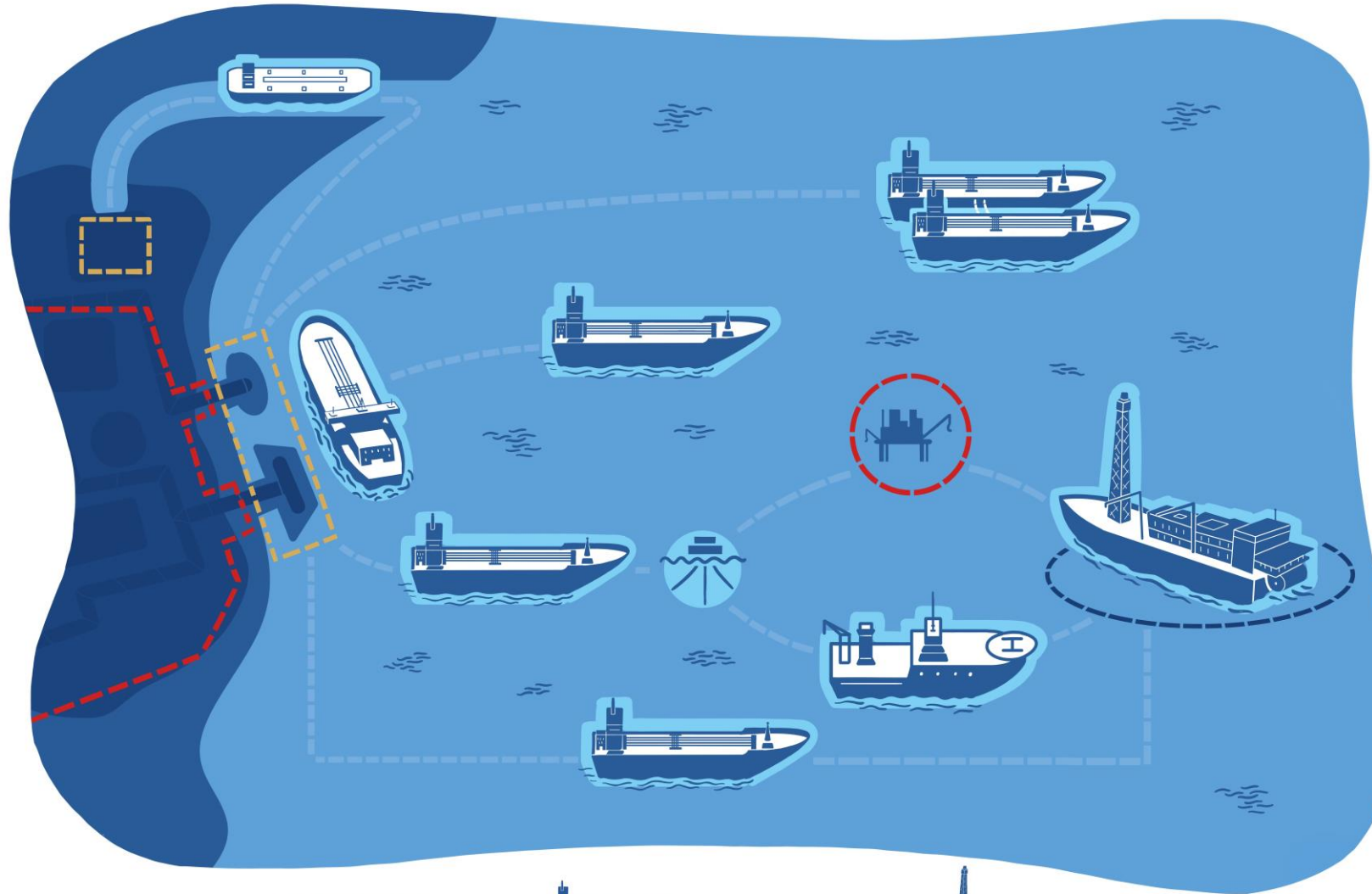
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Tony Jones
Quality Assessor

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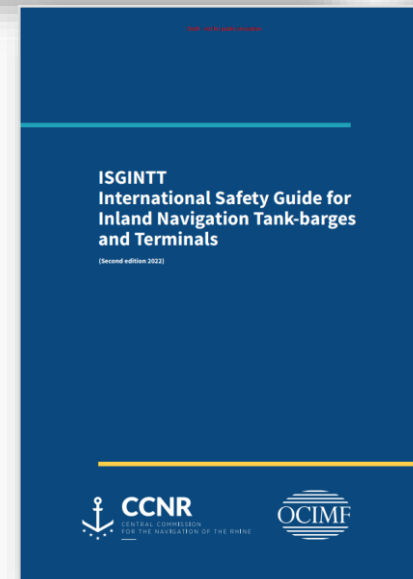
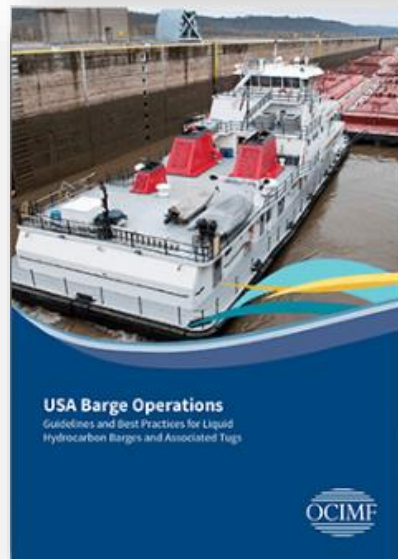
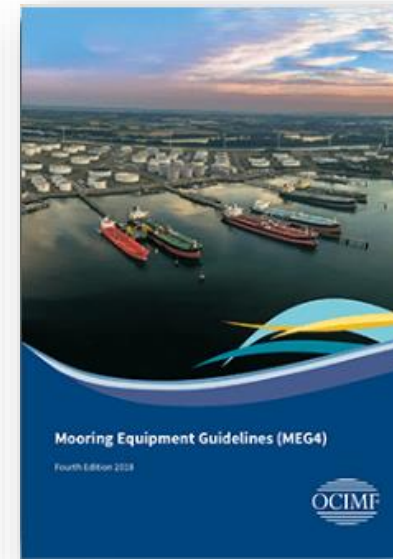
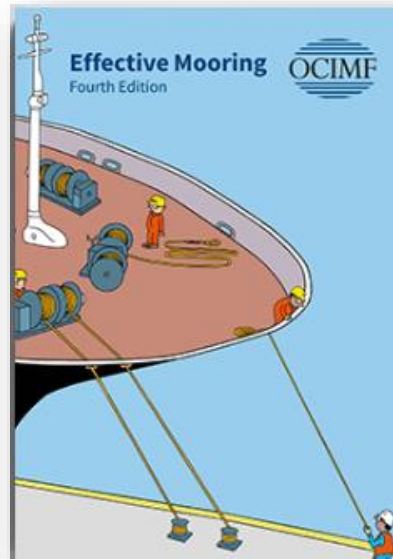
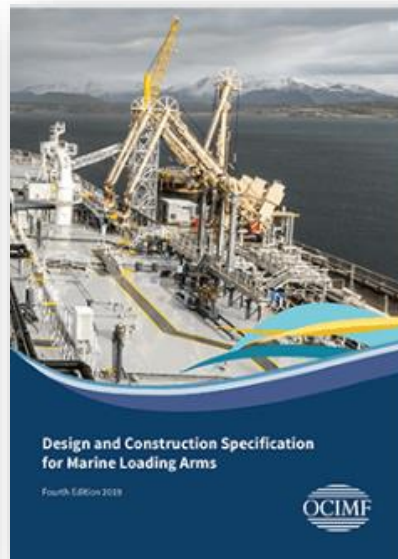
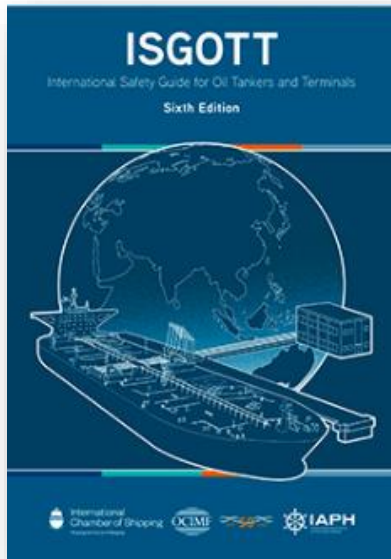
OCIMF Scope



Barge		Tanker		Floating Systems		SPM	
Oil Rig		In Scope		Out of Scope		500m Exclusion Zone	

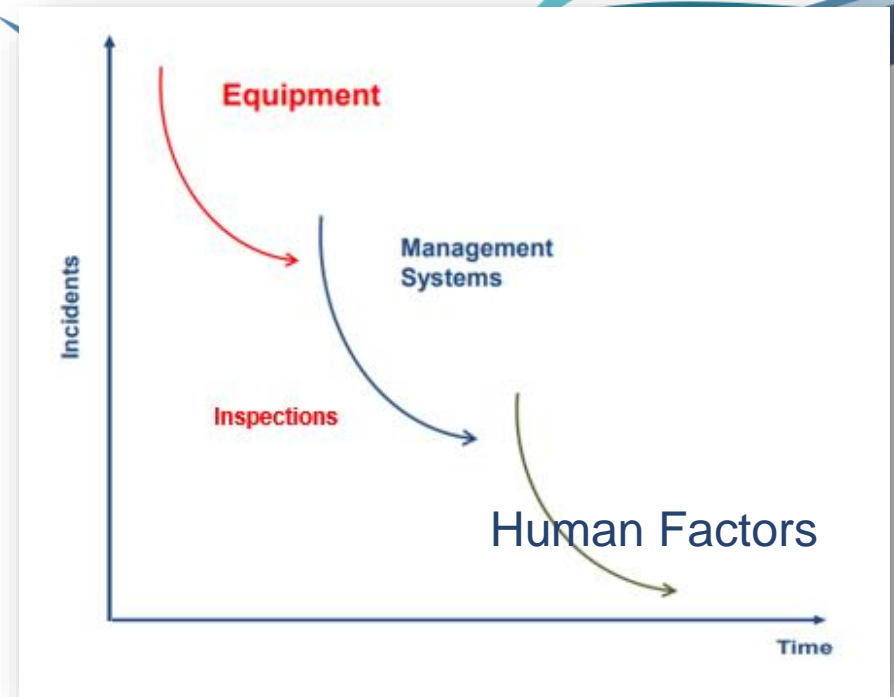
Publications

Books and Information Papers



“something always has to happen before something happens”

- **Titanic** >> **SOLAS**
- **Torrey Canyon** >> **Marpol**
- **Amoco Cadiz** >> **Paris MoU**
- **Herald of Free Enterprise** >> **ISM**
- **Exxon Valdez** >> **STCW**
- **Erica** >> **focus on vetting!**
- **9/11** >> **ISPS**



Conventions & Codes

- **SOLAS** (International Convention for the Safety of Life at Sea) defines standards for the safe construction of ships and safety equipment.
- **MARPOL** (International Convention for the Prevention of Pollution from Ships) defines requirements to prevent pollution from ships operations.

Conventions & Codes

- **ISM** (The International Safety Management Code) defines requirements leading to issuance of safety management certificate and document of compliance (licence to operate).
- **ISPS** (International Ship and Port Facility Code) provides a framework through which ships and port facilities can co-operate to detect and deter acts which pose a threat to maritime security.

Conventions & Codes

- **STCW** (International Convention on Standards of Training, Certification and Watchkeeping for Seafarers), defines uniform standards of training and competence for seafarers.
- **MLC, 2006** (Maritime Labour Convention) defines the living and working conditions for the seafarers on board ships.
- **BWM, 2010**
- **COLREG**
- **Load Lines (LL)**
- **IAMSAR**

Resources



BIQ5 South America Central America v2 2206

DOWNLOAD

346.2 KB



BIQ5 SAm CAm v20 Remote SIRE Cat 3 Final

DOWNLOAD

553.5 KB



BIQ5 International Remote SIRE Cat 3 Final

DOWNLOAD

421.8 KB



Master BIQ5 EBIS9 V500 French

DOWNLOAD

696.3 KB



BIQ Europe Master

DOWNLOAD

967.8 KB



Master BIQ5 EBIS9 V5001 German

DOWNLOAD

742.8 KB



Master BIQ5 EBIS9 V5001 Dutch

DOWNLOAD

683.2 KB



BIQ5 International 2201

DOWNLOAD

237.6 KB



BIQ5 Europe Remote SIRE Cat 3 Final

DOWNLOAD

710.3 KB



BIQ5 Europe 2204

DOWNLOAD

447.2 KB



BIQ5 US v5301

DOWNLOAD

869.9 KB



BIQ5 USA v30 Remote SIRE Cat 3 Final

DOWNLOAD

576 KB



Master BIQ5 EBIS9 V5001

DOWNLOAD

631.3 KB

- **Chapter 1 - General Particulars**
- **Chapter 2 - Certification & Documentation**
- **Chapter 3 - Crew Management**
- **Chapter 4 - Navigation & Communications**
- **Chapter 5 - Safety Management**
- **Chapter 6 - Pollution Prevention**
- **Chapter 7 - Structure**
- **Chapter 8 - Cargo Handling**
- **Chapter 9 - Mooring**
- **Chapter 10 - Towing & Pushing vessels**
- **Chapter 11 - Machinery spaces**
- **Chapter 12 - General appearance**
- **Chapter 13 - Packed cargo**



BIRE BIQ5 Inspections performed since 01-Jan-2020

Report Generated 11-January-2022

Count of Inspection Type	Column Lab						
Row Labels		2201	2204	2206	2207	2208	Grand Total
2020		1264	166	226	5919		7575
Qtr1		278	39	85	1411		1813
Qtr2		171	20	6	1355		1552
Qtr3		381	57	51	1582		2071
Qtr4		434	50	84	1571		2139
2021		1014	153	357	5917	1357	8798
Qtr1		201	33	72	1392	261	1959
Qtr2		233	28	54	1466	362	2143
Qtr3		255	45	89	1507	357	2253
Qtr4		325	47	142	1552	377	2443
2022		21	2	8	116	19	166
Qtr1		21	2	8	116	19	166
Grand Total		2299	321	591	11952	1376	16539

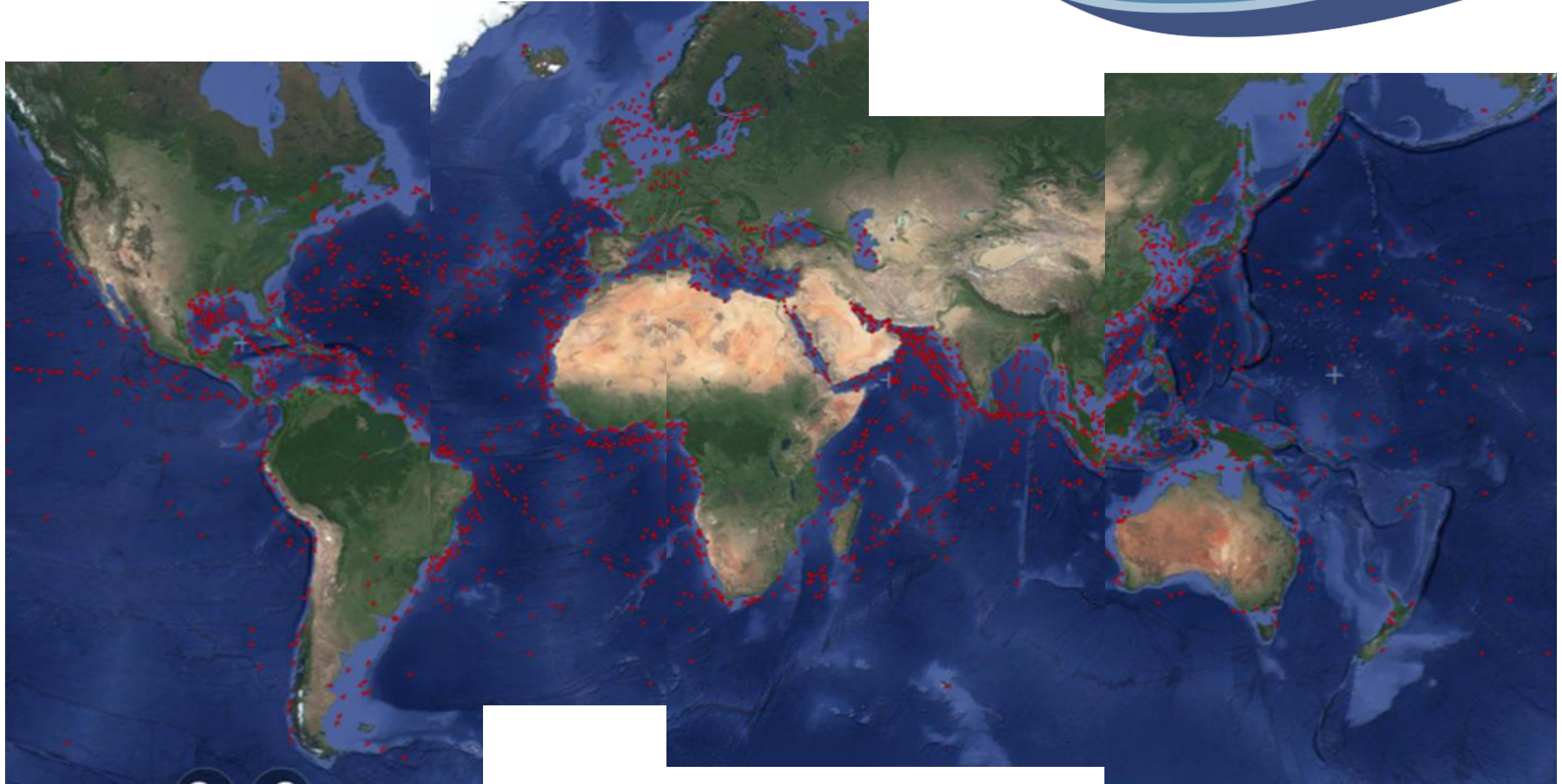
Template Code

2201
2204
2206
2207
2208

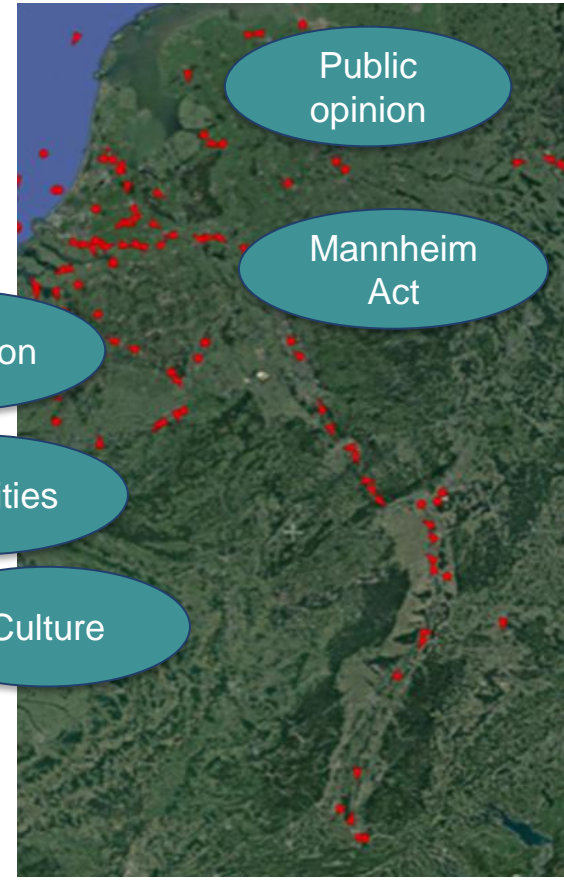
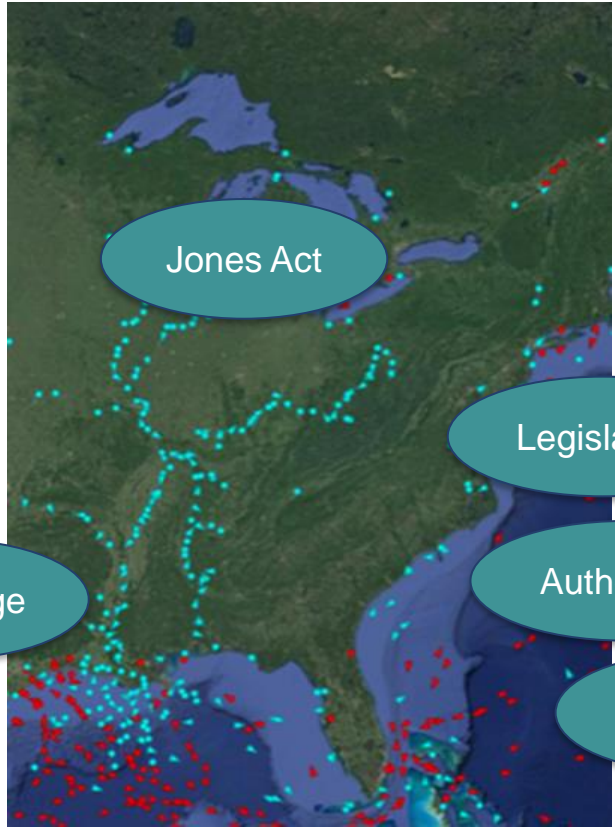
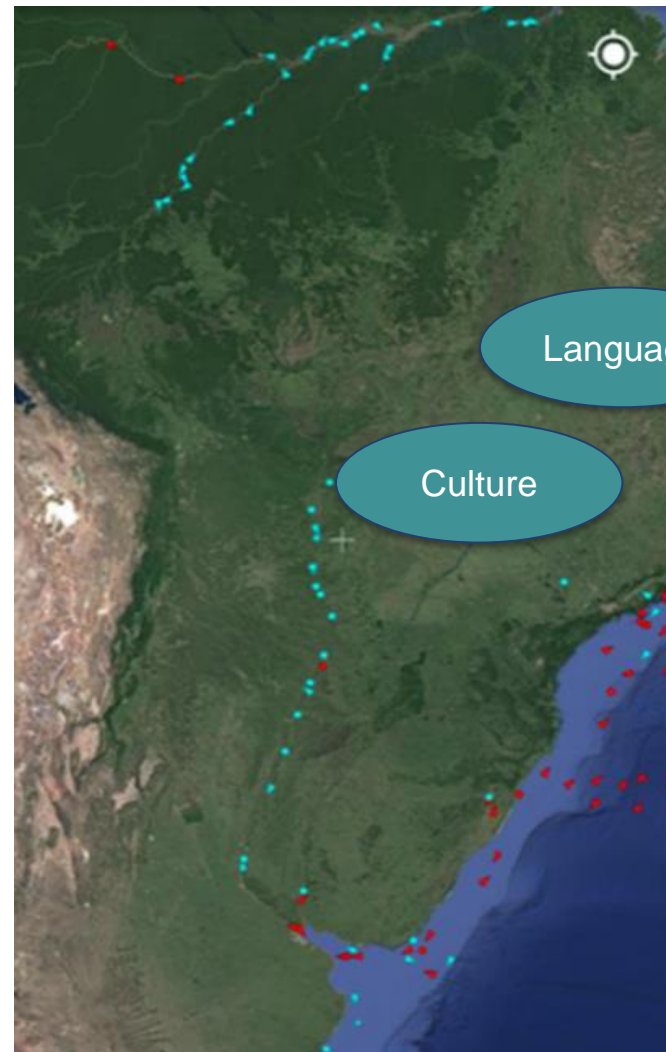
Questionnaire

BIQ5 International
BIQ5 Europe
BIQ5 South & Central America
BIQ5 North America
BIQ5 EBIS9

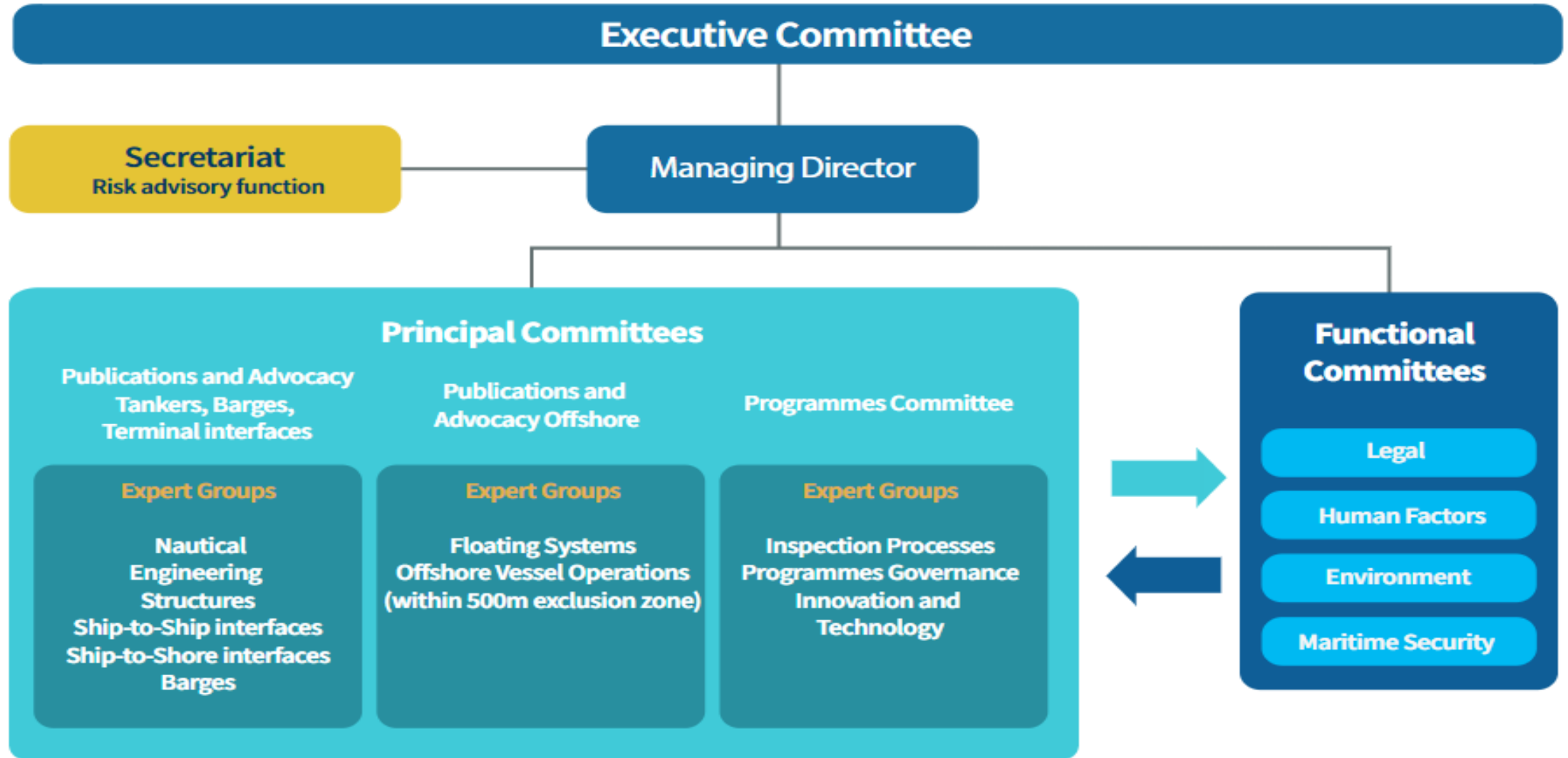
The world of the tankers



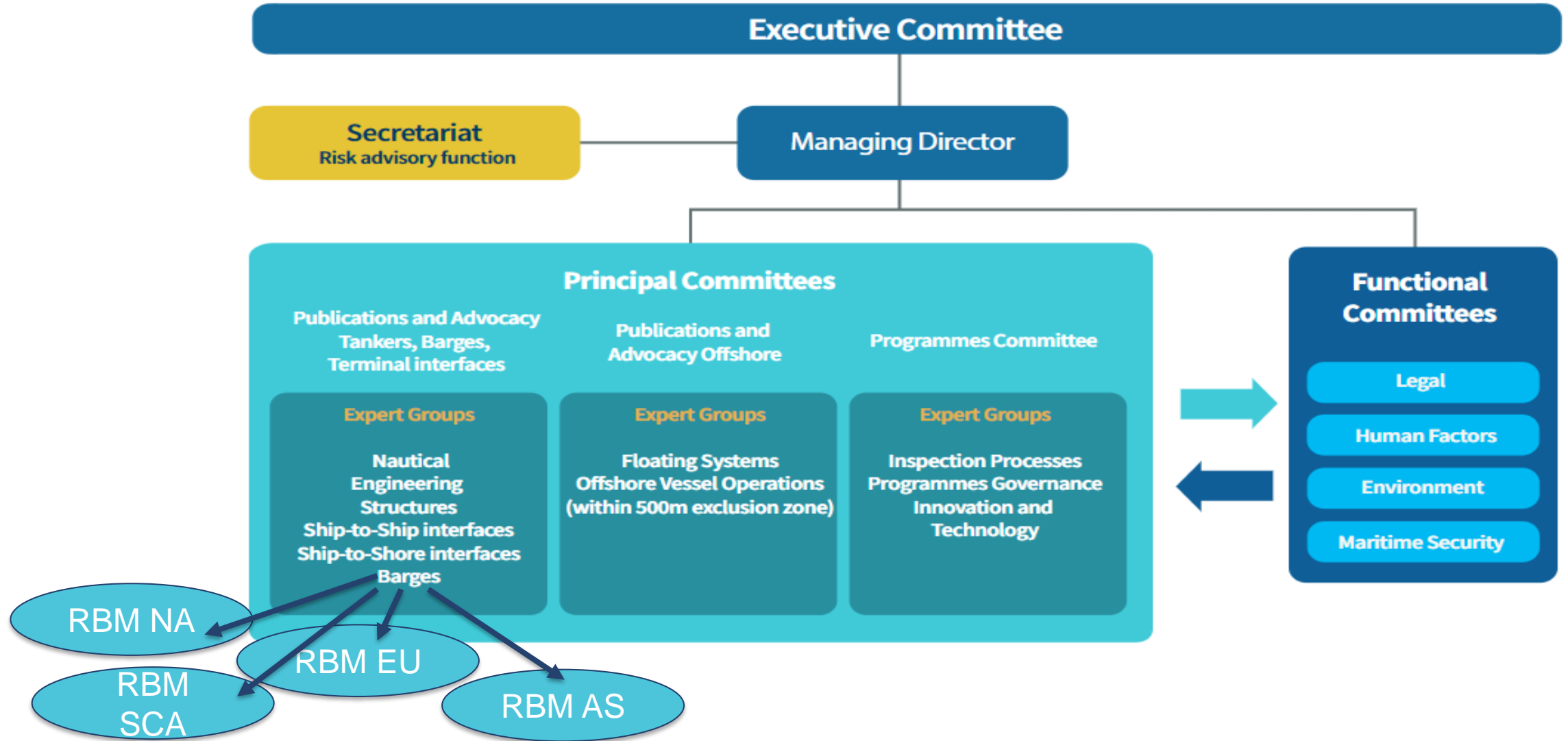
The world of the barges... and the barge adviser ...



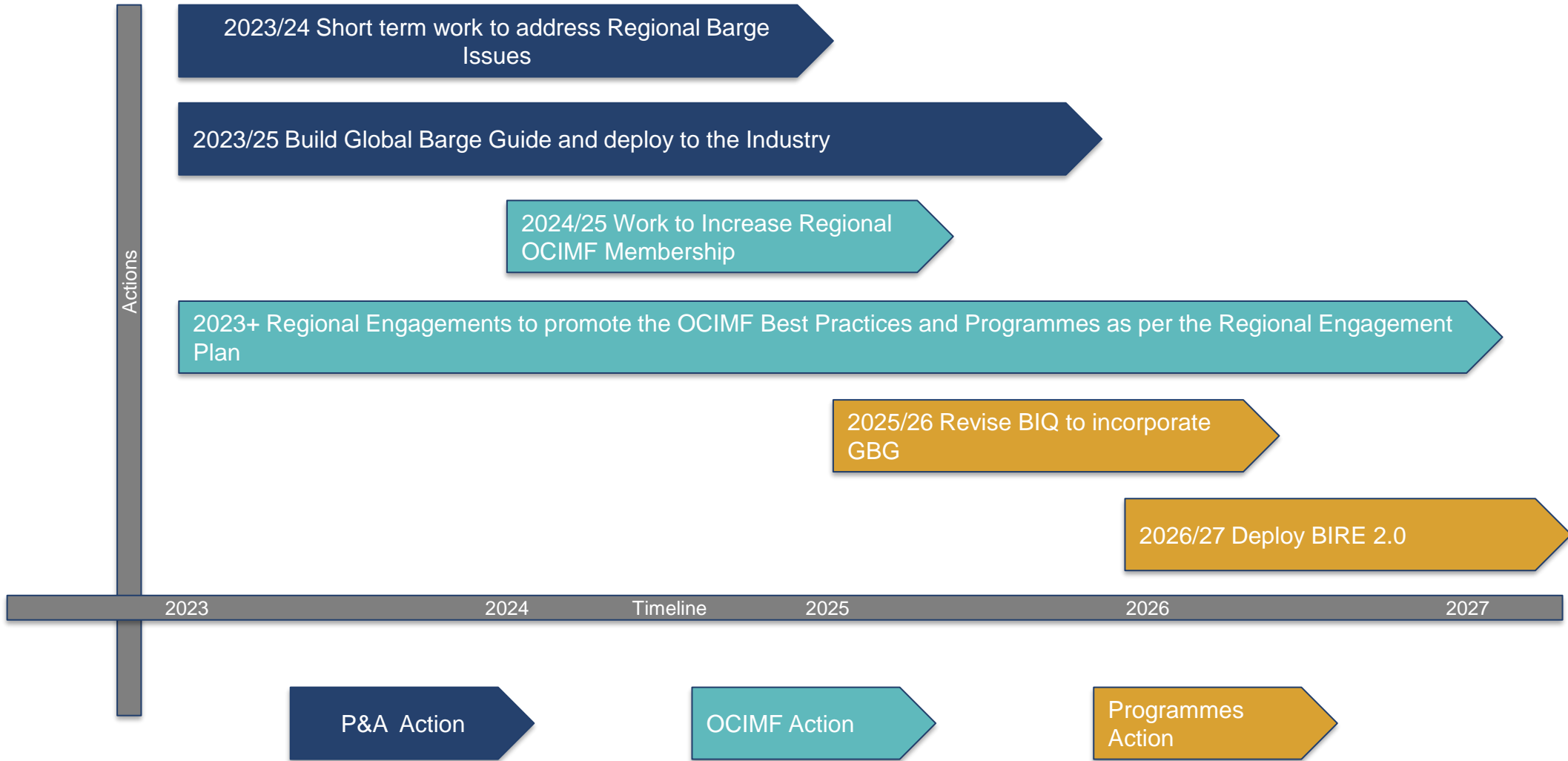
Committee structure



Committee structure



OCIMF Strategic Project to increase application of Best Practice and Programmes for Barges



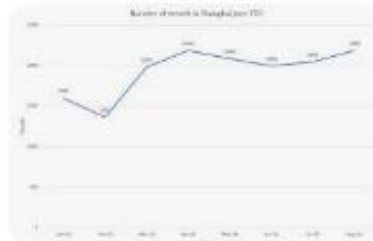
Statistics



ScienceDirect.com
Container barge network...



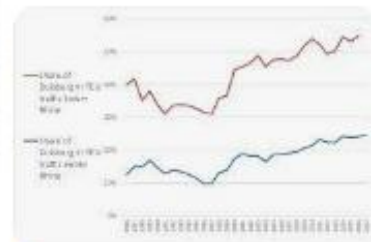
Springer Link
Disruptions and resilience i...



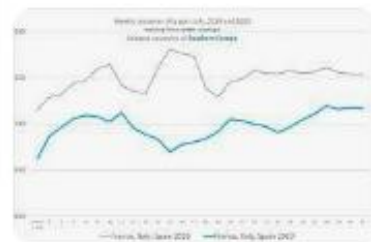
Global Maritime Hub
impact of covid on ports |...



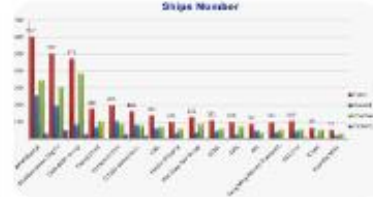
Sea-Intelligence
Sea-Intelligence Sunday...



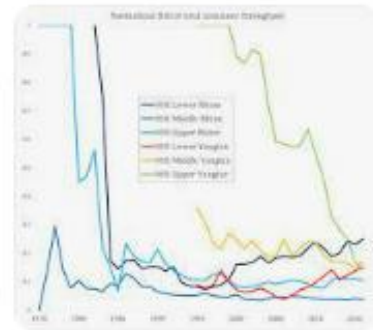
ScienceDirect.com
Container barge network...



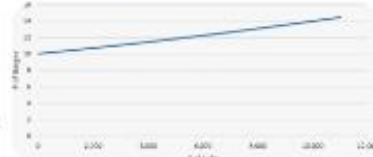
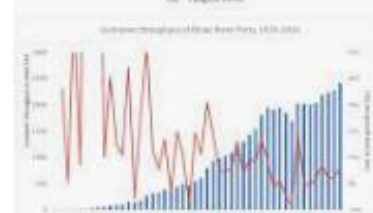
UNCTAD
Navigating through the...



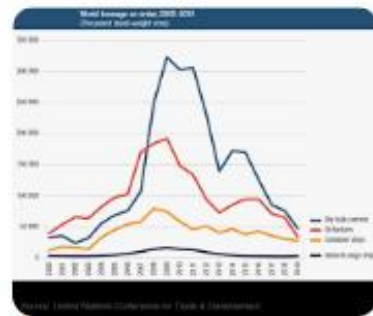
Freight Filter
Top Shipping Lines | Freigh...



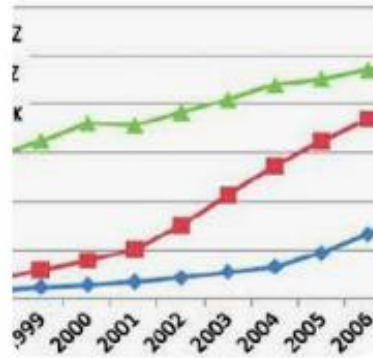
ScienceDirect.com
Container barge network...



Journal of Shipping and Trad...
Container barge congestio...

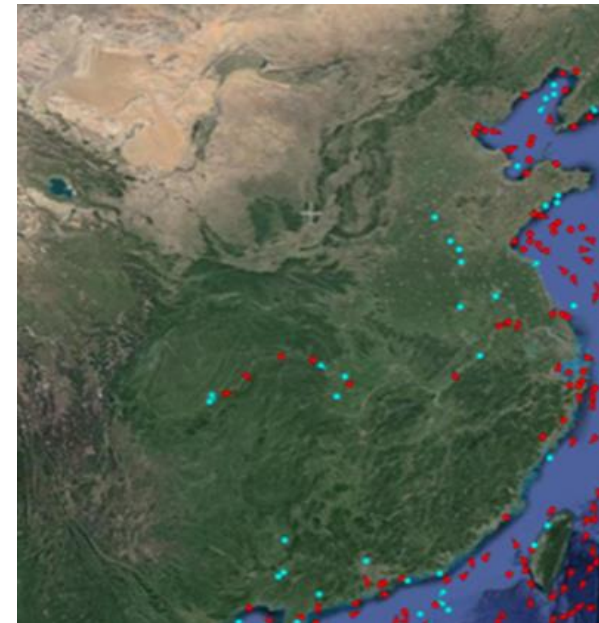
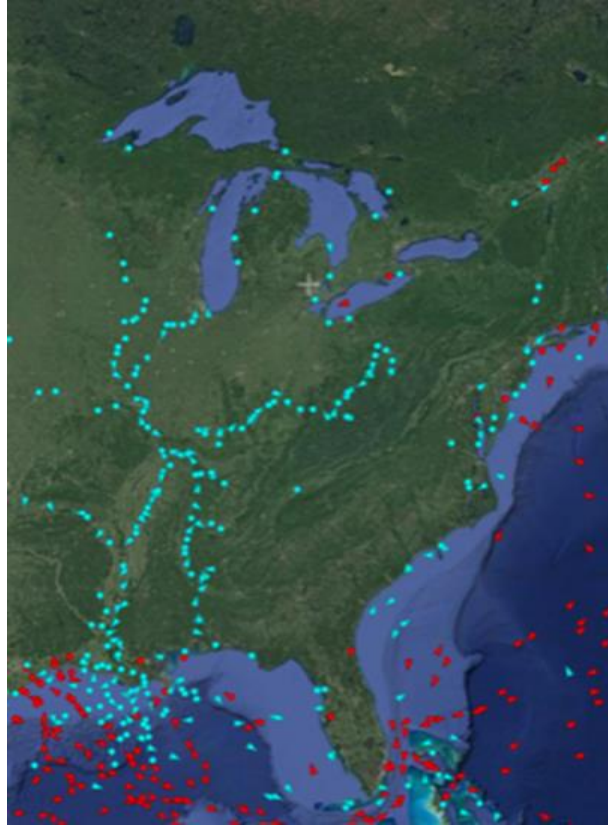
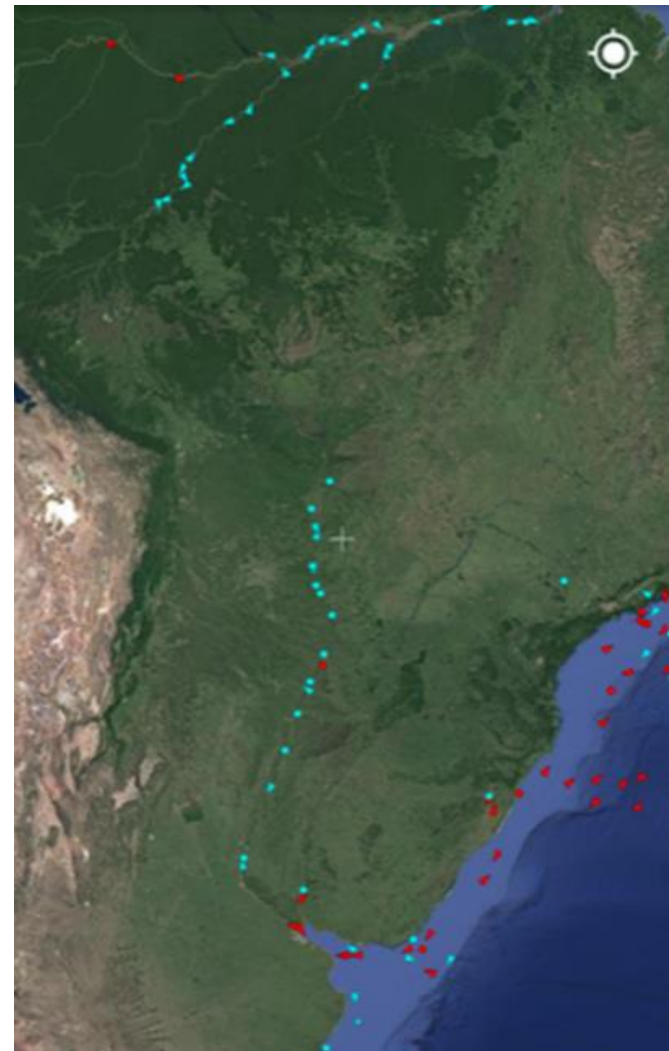


Seeking Alpha
Container Shipping...



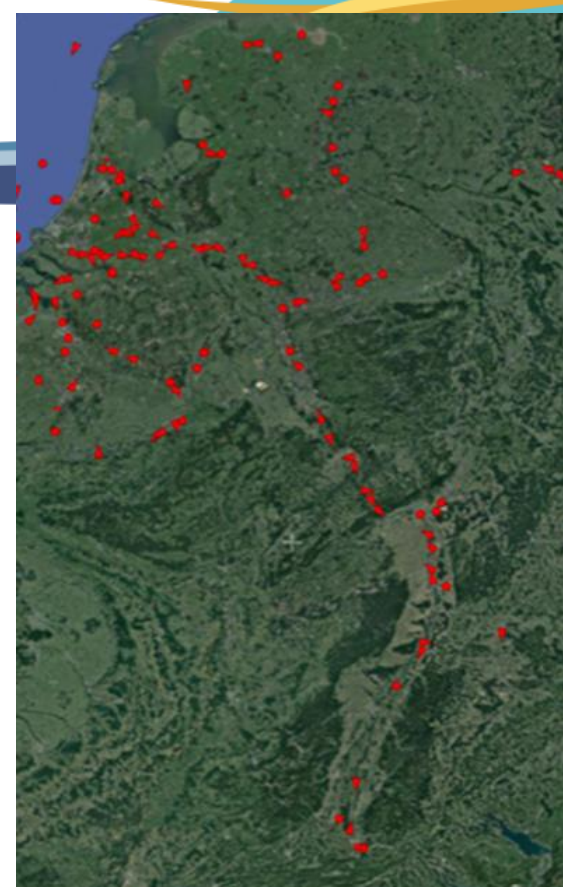
ResearchGate
The costs of moving a FEU...

The world of the barges... and the barge adviser ...



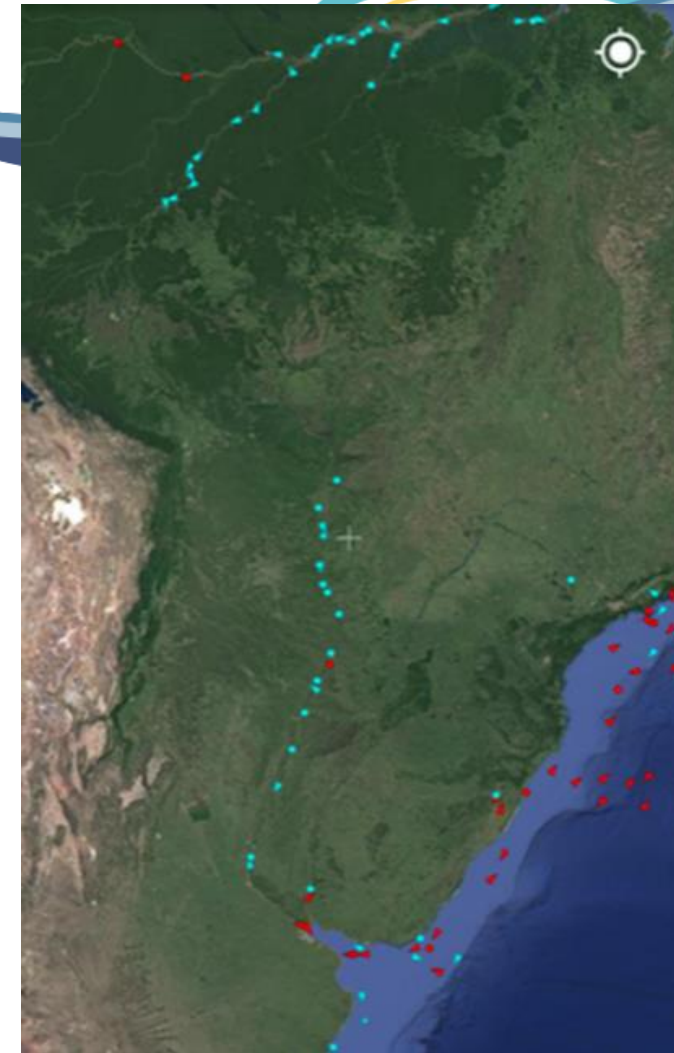
Europe

- **Legislation versus Highest standards and best practices**
- **95 % of all tank barges have at least one BIRE inspection a year**
- **Availability of personnel is perhaps the biggest problem now and in the near future**
- **Focus on Green Deal and autonomous or remote sailing**
- **Digitalisation**
- **Despite all high standards training incidents happen and will happen**



South and Central America

- Amazon River 6400 km's – Belem / Manaus / Peru
- Paraguay / Parana Rivers ca 5000 km's – Buenos Aires / Asuncion / Bolivia & Peru
- Orinoco & Magdalena rivers – Colombia
- Tanker fleet of about 2700 barges (95% dumb barges) with push boats, ca 400 BIRE inspections are carried out each year
- Over 300 operators, often small family companies, no branch organisation in this region
- Legislation is in place but not in focus - Industry is looking for higher standards
- Training of people is needed
- Security is the biggest threat in this area (armed robberies, drugs, theft of cargo)
- Loading in open conditions
- No harmonisation in vetting standards like in Europe, which makes raising standards a long and hard process



South and Central America

- OCMF has started a campaign that more (all) oil- & energy companies will become an OCIMF member
- Promote BIRE inspections and TMSA for operators
- Revision of the inspection questionnaire (BIQ)
- Give training for new BIRE inspectors (CAT3)
- Publish relevant OCIMF publications in Spanish and Portuguese
- Adjust ISGINTT 2 for this region and create a Global Barge Guide for SCA
- Engagement with this industry at least on yearly base
- Publication of the information paper “Recommendation for converting Inland Tank Barges from op to closed cargo operations”



North America

- Mississippi River 3700 km's most prominent Missouri / Ohio / Tennessee
- 6000 BIRE inspections on yearly base – ca 4500 tank barges (all dumb barges)
- Big push convoys up to 35 barges and Articulated Tug Barges ATB's on intracoastal w
- Legislation US Coast Guard / Jones Act / Subchapter M (since June 2022)
- ca. 350 operators and are member of the American Waterway Operators AWO
- Industry has the same standards as in Europe and the same challenges
- Challenges are: (bridge) collisions, man over board, spills, lack of personnel
- Communication and digitalisation causes distraction – Operation Clean Wheelhouse



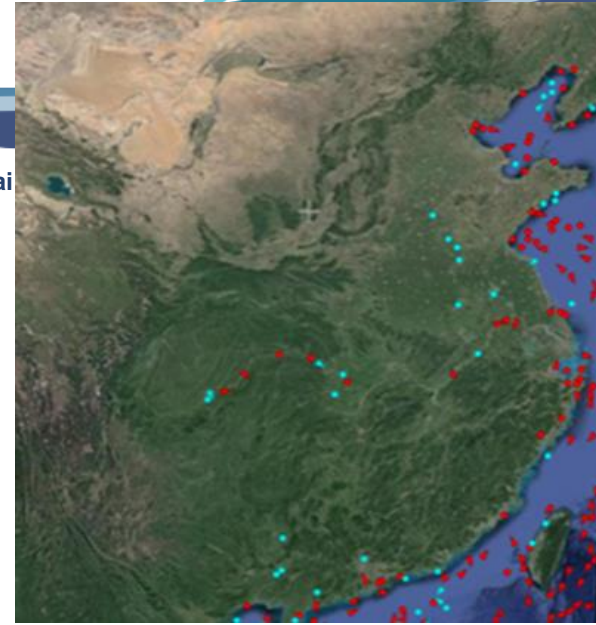
North America

- Engage with the industry
- AWO and Platform Zero Incidents PZI have plans to share information and work together
- Update of the BIQ will be done this year
- Together with the industry we adjust ISGINTT 2 for this region and create a Global Barge Guide for NA



China

- Yangtze River 6300 km's 2.700 is IWW – main channel has 2400 tank barges – 1700 small tank barges in the canals – main ports Wuhan / Nanjing / Shanghai
- Yellow River / Pearl River / Hong Kong – Macau area
- Industry has ca. 8000 tank barges (self propelled only a few dumb barges)
- Only Chemical- and Gas barges have a SIRE inspection
- Three big oil companies active PetroChina, CNOOC and Unipecc
- Authority is China MSA



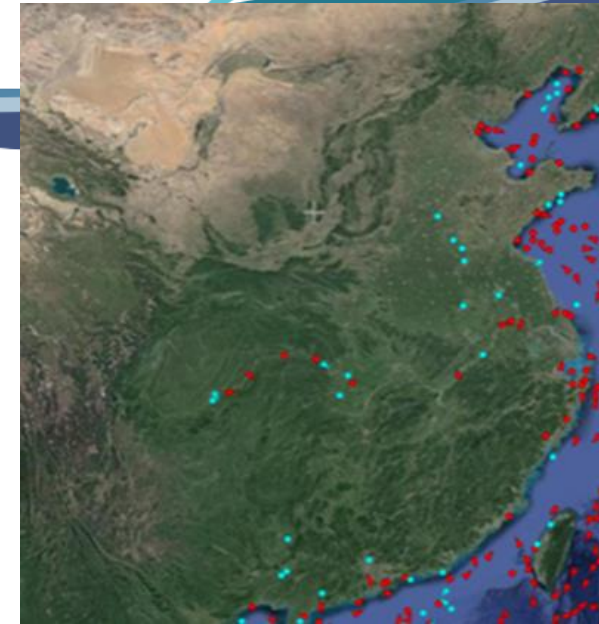
China

- Over 300 operators active (big & small) (private- and state owned companies)
- Fleet age is about 10 years, but build on old standards
- About 300 barges sail on LNG
- Young people are not interested in sailing on barges



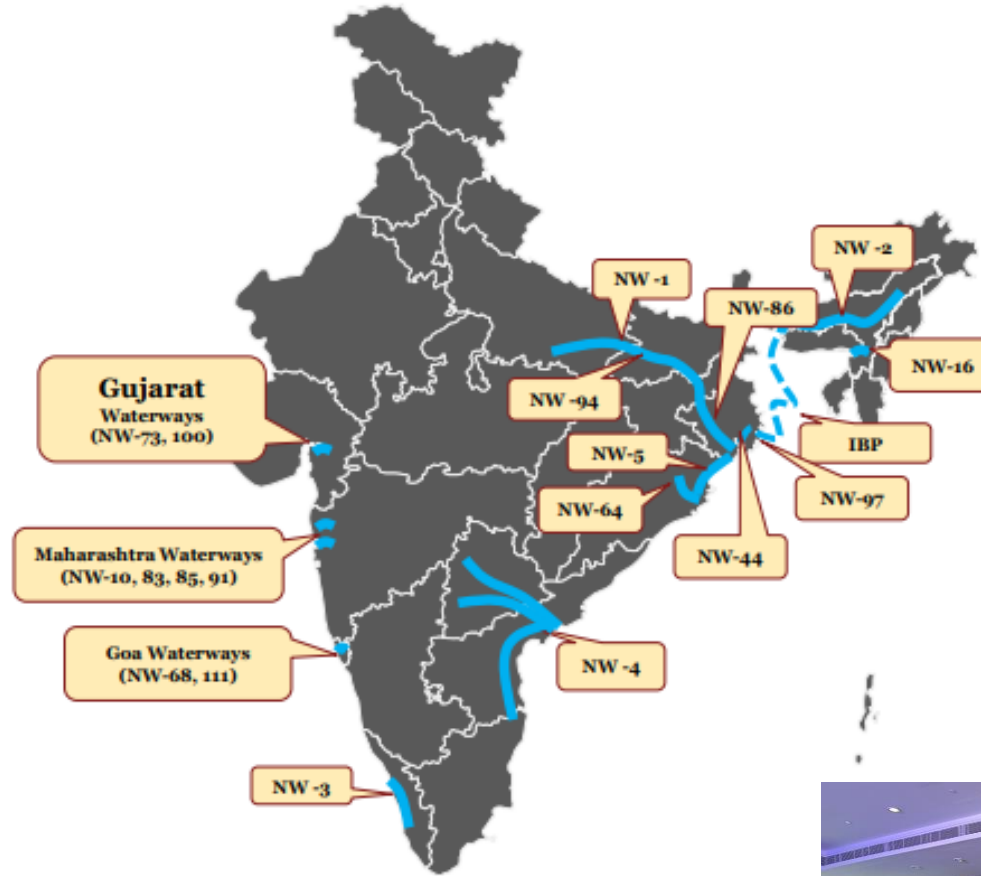
China

- Industry is looking for help (we are in chaos..)
- We will translate ISGINTT 2 into Chinese
- ISGINTT2 will be adjusted for this region to a Global Barge Guide for China
- We will start an inspection program for China in 2024 in three steps so that 3.000 barges will get a BIRE inspection
- In Q4 2023 or Q1 2024 will start training ca. 35 CAT3 inspectors
- Translation of publications for this region will also be done in Chinese
- Yearly engagement with this industry

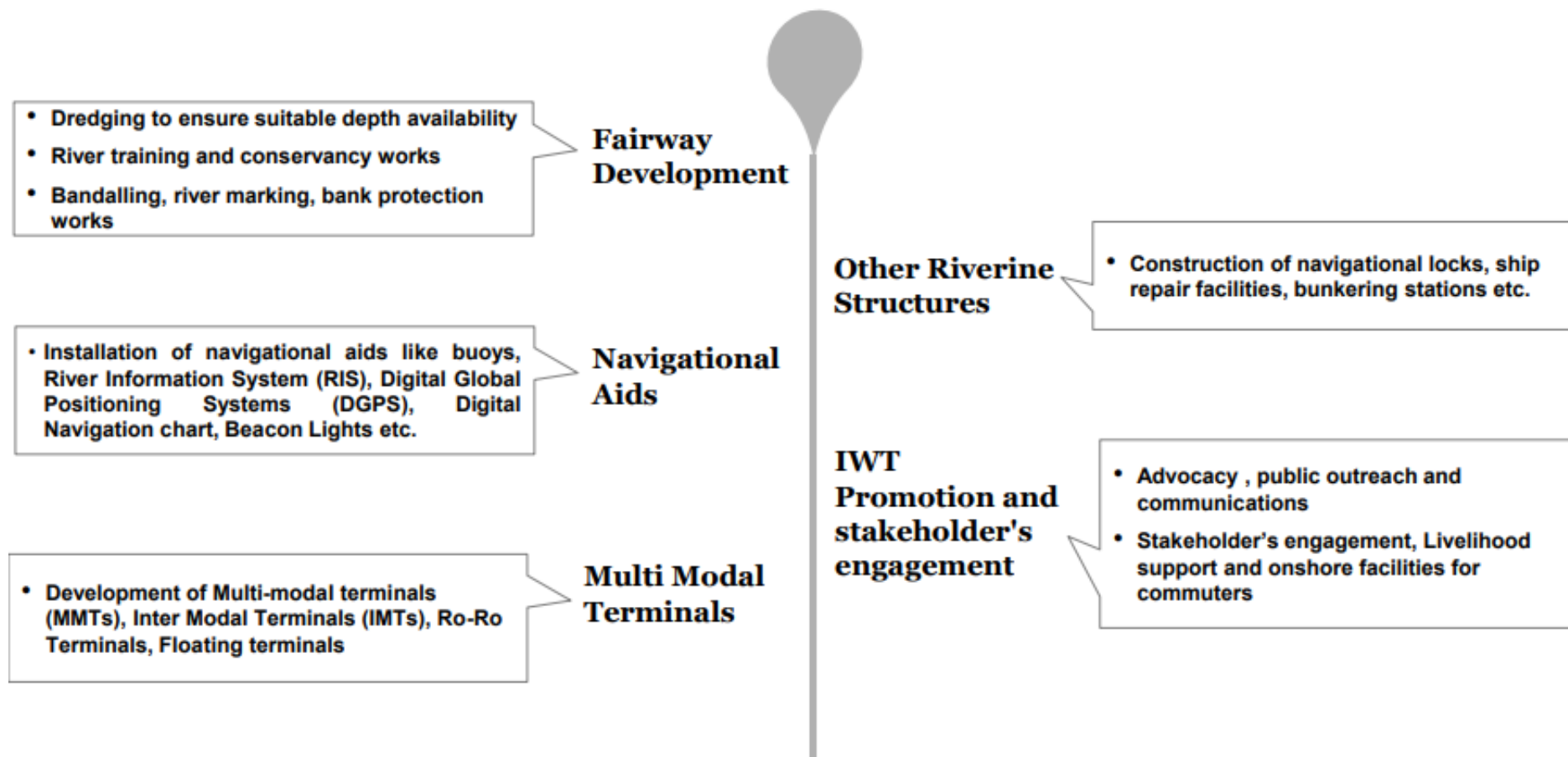


India

111	National Waterways; Total length: ~20,000 Km Navigable length: ~14,500 Km
22	Operational National Waterways
51	27 NWs feasible for Cargo movement & additional 24 for passenger movement
~113.98 MMT	Cargo Volume during FY 2022-2023 (till Feb 2023)
~18% CAGR	Cargo Volume Growth from FY 2012-13 to FY 2021-22
~2%	Current Modal share of Inland Water Transport (IWT) . 5% Target for Vision 2030 and 7% Target for 2047



Development components in Inland Water Transport



Rest of the world

- Africa
- South-East Asia (Indonesia, Vietnam/Cambodia)
- Japan
- Australia



Engagement



2022 2023

AWO
meeting

Plan
agreed for
updating
BIQ's

China visit

Start on
China BIQ

New BIQ
& BPQ EU

EU barge
community
meeting

ISGINTT
2

Integration
EBIS
completed

Barging in
newsletters

4 risk
workshops

Insepector
trainings
EU

Audited
inspections

Engagement
weeks in
SCA

Acceptance
for regional
approach

India

Global
barge
guide
acceptance

Barging
with
OCIMF

Translations

ISGINTT Launch Antwerp February 13th 2023



Regional Engagement





Thank you for your attention !!

