



# SIRE 2.0

18 October 2023

Capt. Aaron Cooper, Programmes Director, OCIMF





# OCIMF Overview

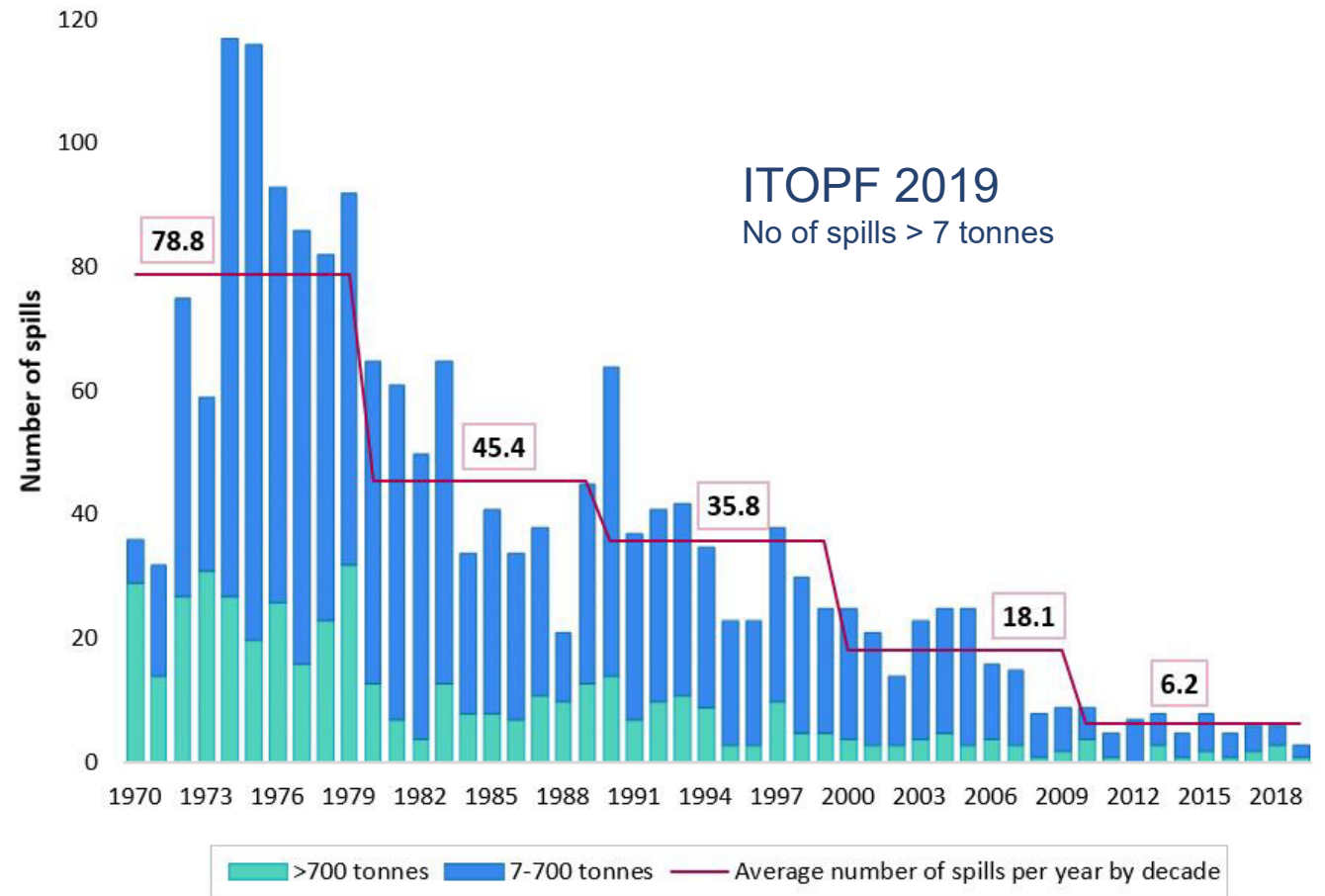
## Who we are and what we do

Founded 1970

IMO consultative status 1971

Initial focus on reducing oil spills & general safety

50 years on – focus on safety, security, health, environment



# Vision, Mission and Strategic Priorities

## Vision

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

## Mission

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.

## Strategic Priorities



### 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.



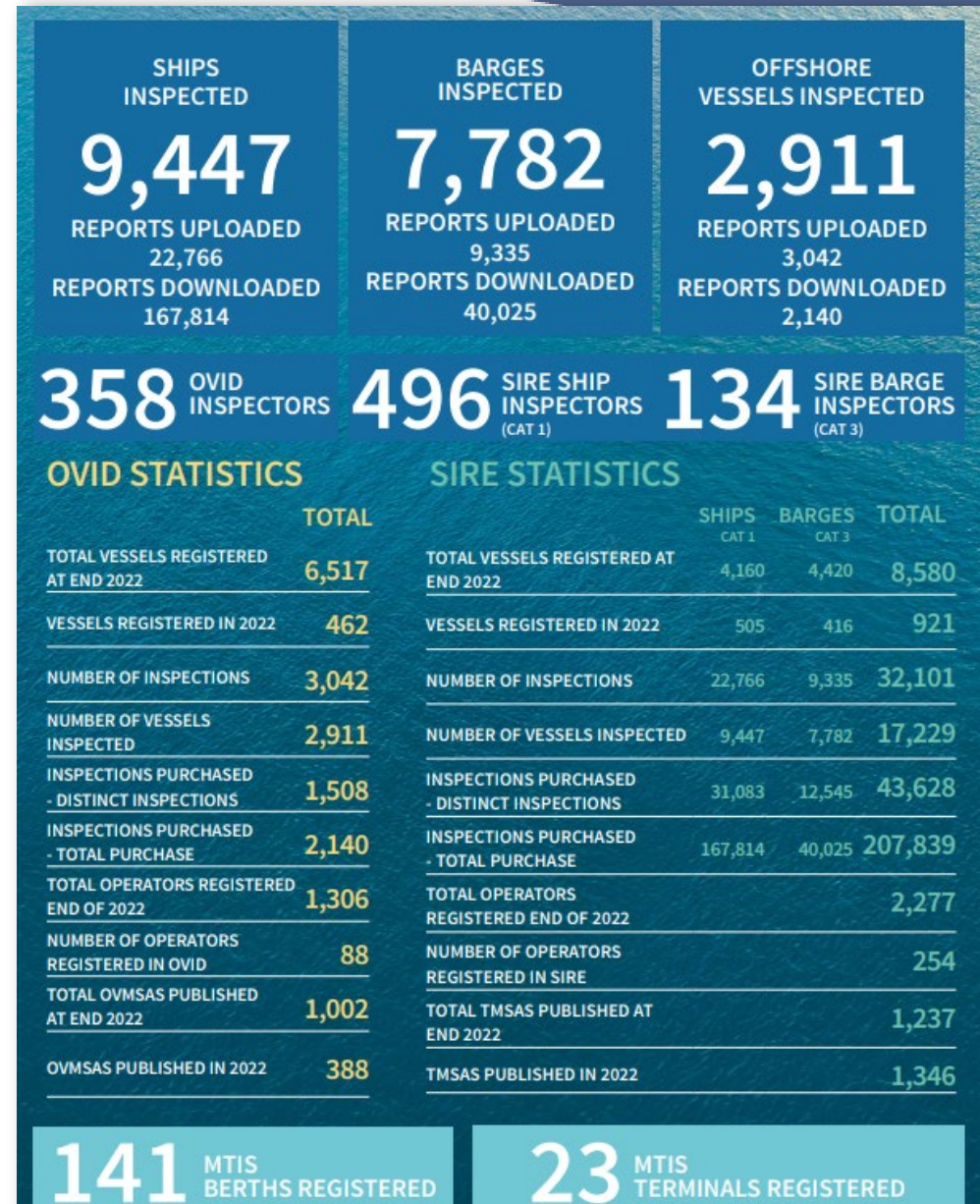
### Members collaboration

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

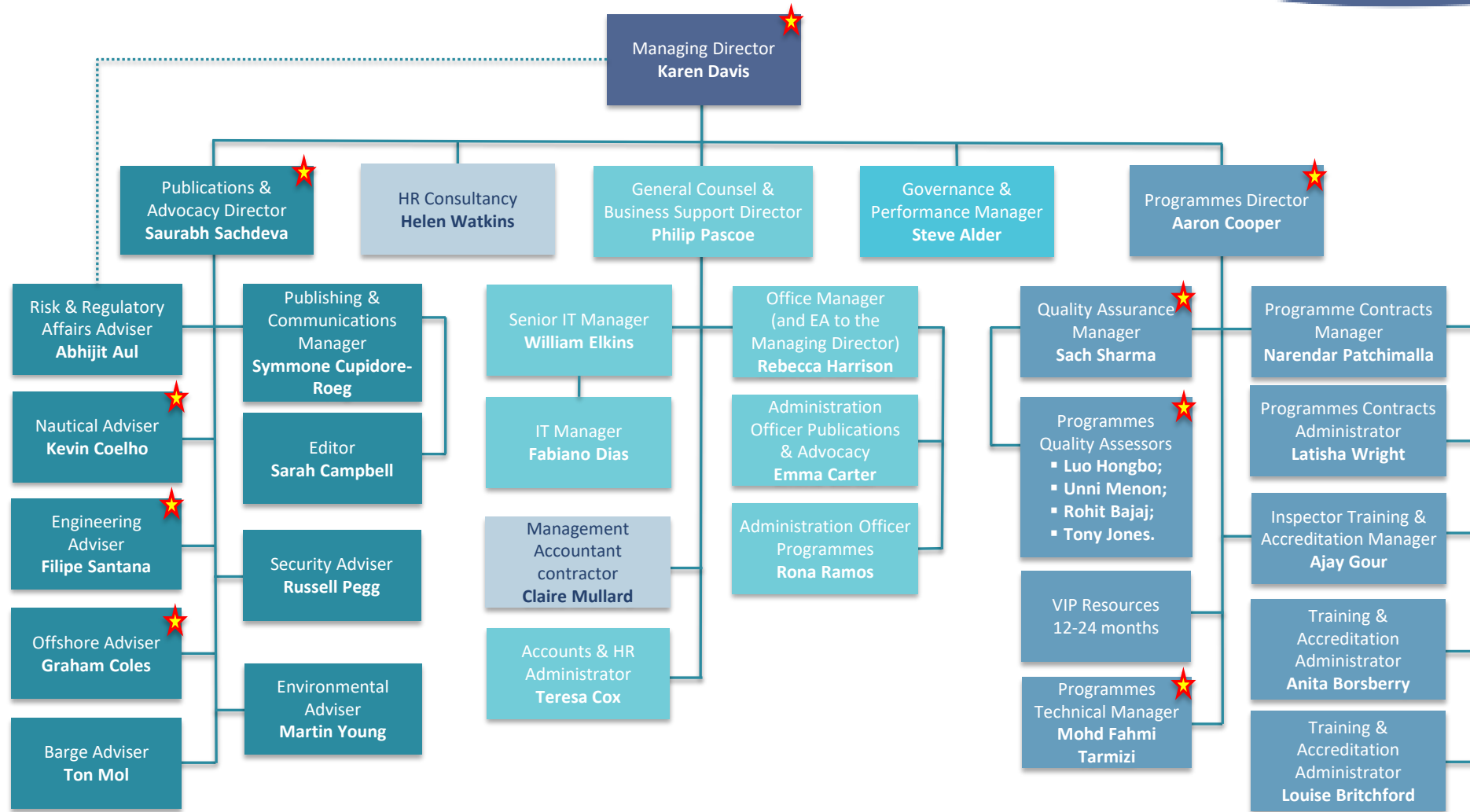
# OCIMF Committee Structure



# OCIMF in numbers - 2023














# OCIMF Organisation chart



★ Secondees from Member Companies

# Overview of work with best practices

## Publications & Advocacy

<h3>Nautical EG</h3> <ul style="list-style-type: none"> <li>Revise Anchoring Systems guide</li> <li><b>Support</b> Ship to Ship Transfer rewrite – <b>STS EG*</b></li> <li><i>D&amp;A Paper – nearly completed</i></li> </ul> 	<h3>Engineering EG</h3> <ul style="list-style-type: none"> <li>Review Guide for Implementation of Sulphur Oxide Exhaust Gas Cleaning</li> <li>IMO Alternative Fuels WG – support <b>EFC</b></li> <li>Fire Prevention on Engine Rooms work stream</li> <li>Industry's incidents review</li> </ul> 	<h3>Floating Systems EG</h3> <ul style="list-style-type: none"> <li><b>New IP</b> on Offshore Lifeboat and LSA Operations</li> <li><b>FPSO Asset Integrity</b></li> <li>Publications review</li> </ul> 	<h3>Offshore Vessel EG</h3> <ul style="list-style-type: none"> <li>DP Assurance</li> <li>Management of attending Offshore vessels in the Safety Zone.</li> <li>Development of regulatory standards for MASS Vessels</li> <li>Updating OVIQ</li> </ul> 
<h3>Barges EG</h3> <ul style="list-style-type: none"> <li><b>ISGINTT2</b> – Delivered</li> <li><b>Major Project</b> – New Flagship Publication – Global Barges Guide</li> <li>IP on SMART Shipping in EU</li> <li>IP on open loading – SCA</li> </ul> 	<h3>Ship to Shore EG</h3> <ul style="list-style-type: none"> <li>Advocate MTIS within regions – ongoing*</li> <li><b>Review</b> MTMSA</li> </ul> 	<h3>Structures EG</h3> <ul style="list-style-type: none"> <li><b>Support</b> Onshore Power Supply WG –<b>EFC</b></li> <li><b>Support</b> Emissions Control Tech. WG – <b>EFC</b></li> <li><b>Support</b> FSEG in development of Mooring Hawser guidelines - <b>FSEG</b></li> <li><b>IMO WG</b> on the Reduction of VOCs</li> <li>Industry's incidents review</li> <li><b>8 x Publications</b> with PIANC</li> </ul> 	<h3>Ship to Ship EG</h3> <ul style="list-style-type: none"> <li><b>Major Project</b> – Revise STS Transfer Guide</li> </ul> 
<h3>Environmental FC</h3> <ul style="list-style-type: none"> <li><b>New</b> IP on Onshore Power Supply Guide – ongoing</li> <li><b>New</b> IP on Risks Associated with Engine Power Limitation Guide - ongoing</li> <li><b>New</b> Emissions Capture and Control Guide - ongoing</li> <li>IMO CG on LCA of marine fuels</li> <li>IMO WG on the Reduction of VOCs</li> <li>Map of external organisations</li> </ul> 	<h3>Human Factors FC</h3> <ul style="list-style-type: none"> <li><b>IMO</b> - Safe Workplace, Culture, Bullying and Harassment</li> <li><b>Publications:</b> HF Checklist, Approach Paper &amp; MSA revision</li> <li><b>WMU MoU</b> - SafeMode – Toolkit and Advocacy</li> <li><b>Accident</b> and Incident Investigations methodology –</li> <li><b>HEIG</b> – Enclosed Space Entry *monitoring</li> </ul> 	<h3>Maritime Security FC</h3> <ul style="list-style-type: none"> <li>Maritime Industry Security Threat Assessments</li> <li>Cyber Security Publication (ITEG-Programmes)</li> <li><b>Forthcoming</b> BMP review</li> <li><b>New</b> Drone study</li> </ul> 	

Member collaboration

# A step change towards OCIMF vision

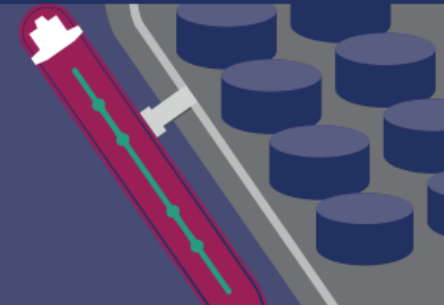
- A global marine industry that causes no harm to people or the environment
- To lead the global marine industry in the promotion of safe and environmentally responsible transportation of crude oil, oil products, petrochemicals and gas.



Governments and industry continue to work towards improving safety & standards of operations



Accidents still happen, but **>99.99%** of oil transported by sea arrives safely at its destination



Data relates to spills of 7 tonnes and over from 1970-2020

<sup>1</sup> This relates to spills with confirmed volumes

<sup>2</sup> Quantity rounded to nearest thousand

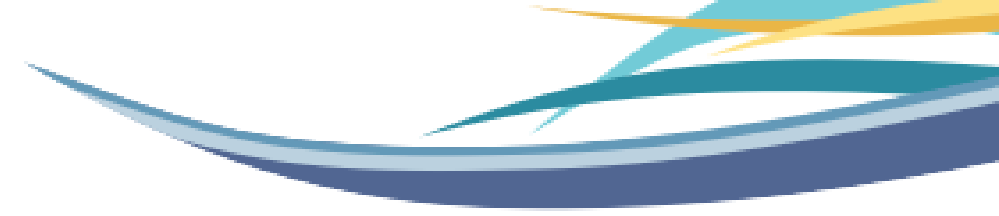




## Managing Changing Industry Risks

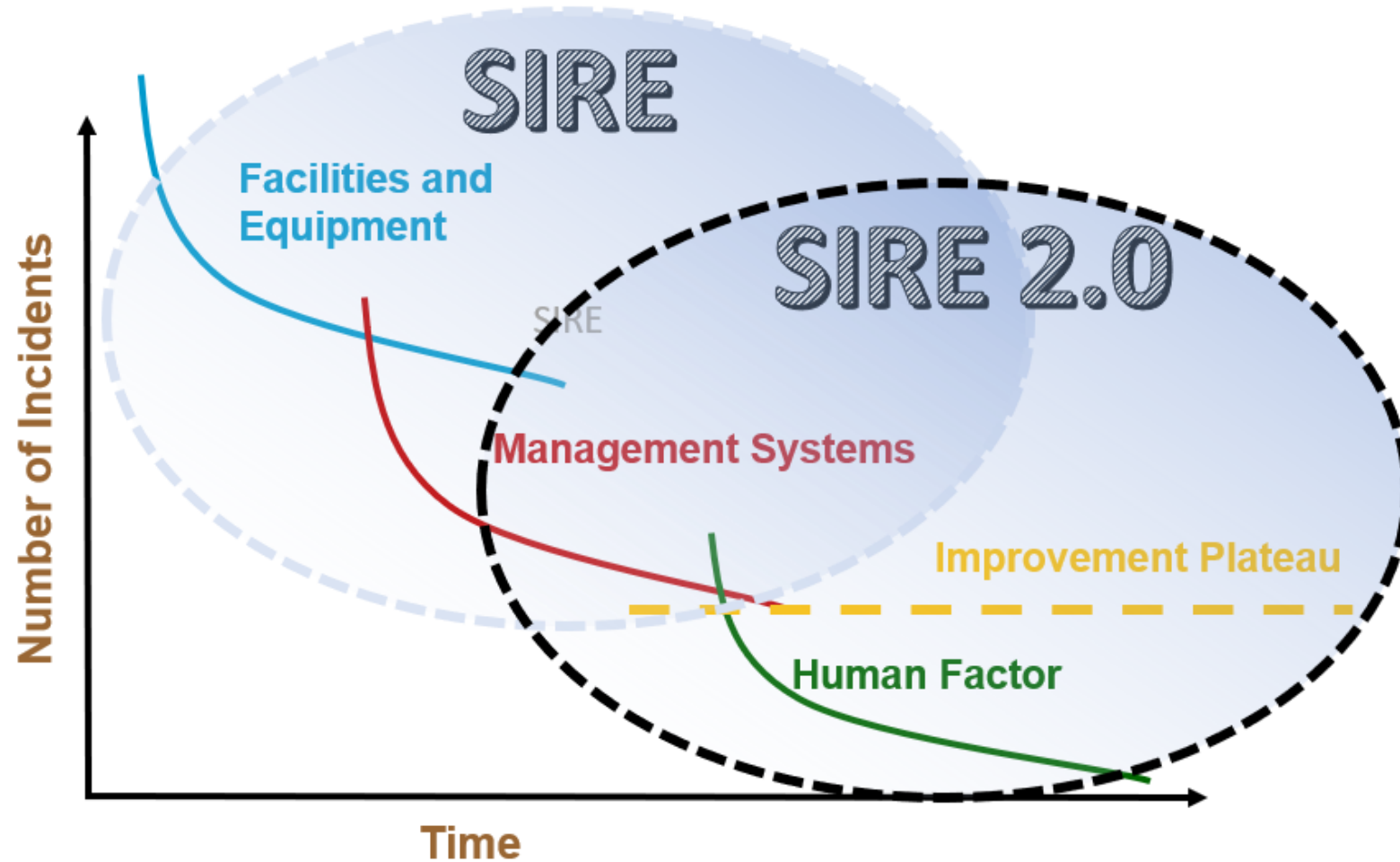
As the industry risk-profile continues to change, OCIMF recognises the need to:

- Focus efforts and resources on areas of greatest risk to members
- Recalibrate organisational structure to deliver greater value
- Utilise new technologies and ways of collaborating to enhance efficiencies

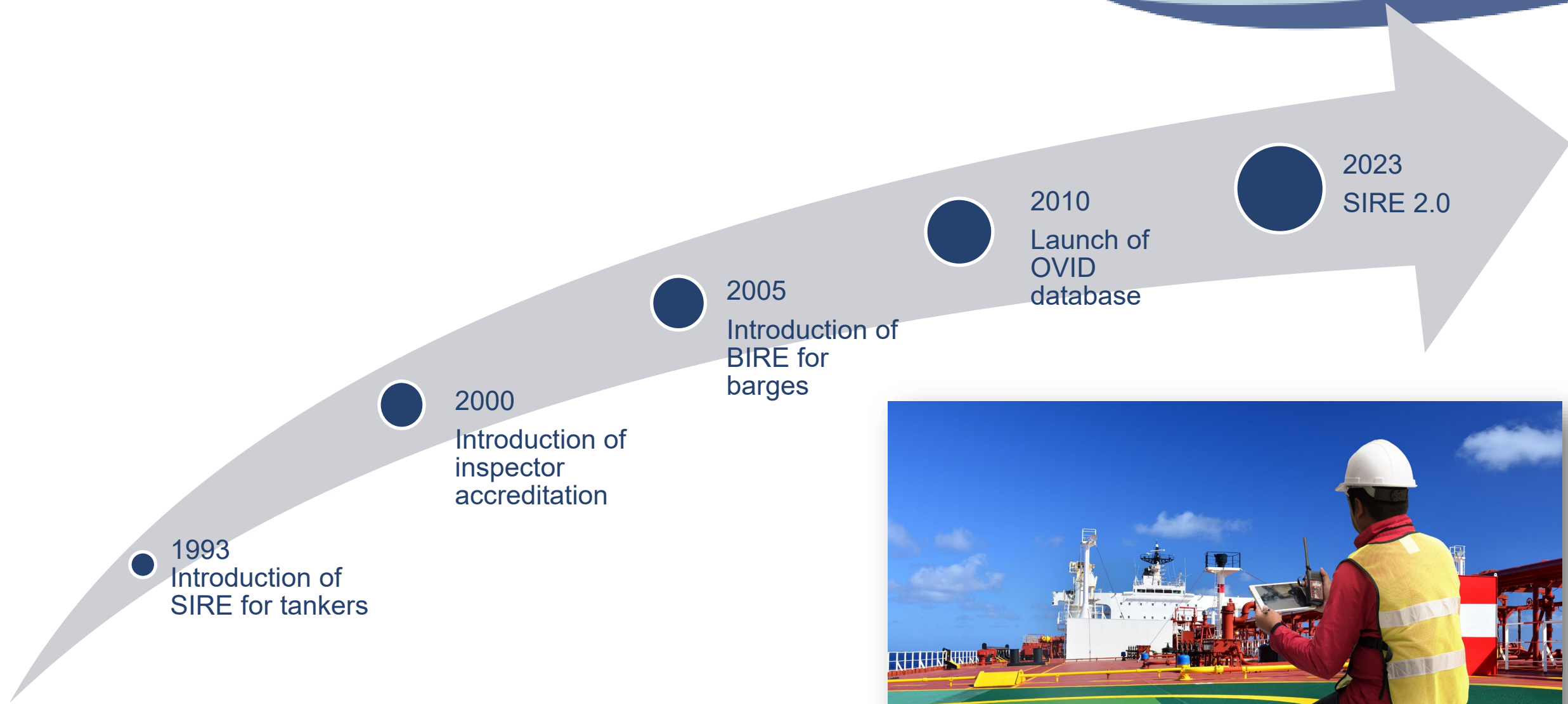


# SIRE 2.0: A step change towards our vision

Further step change towards an industry that causes no harm to people or the environment

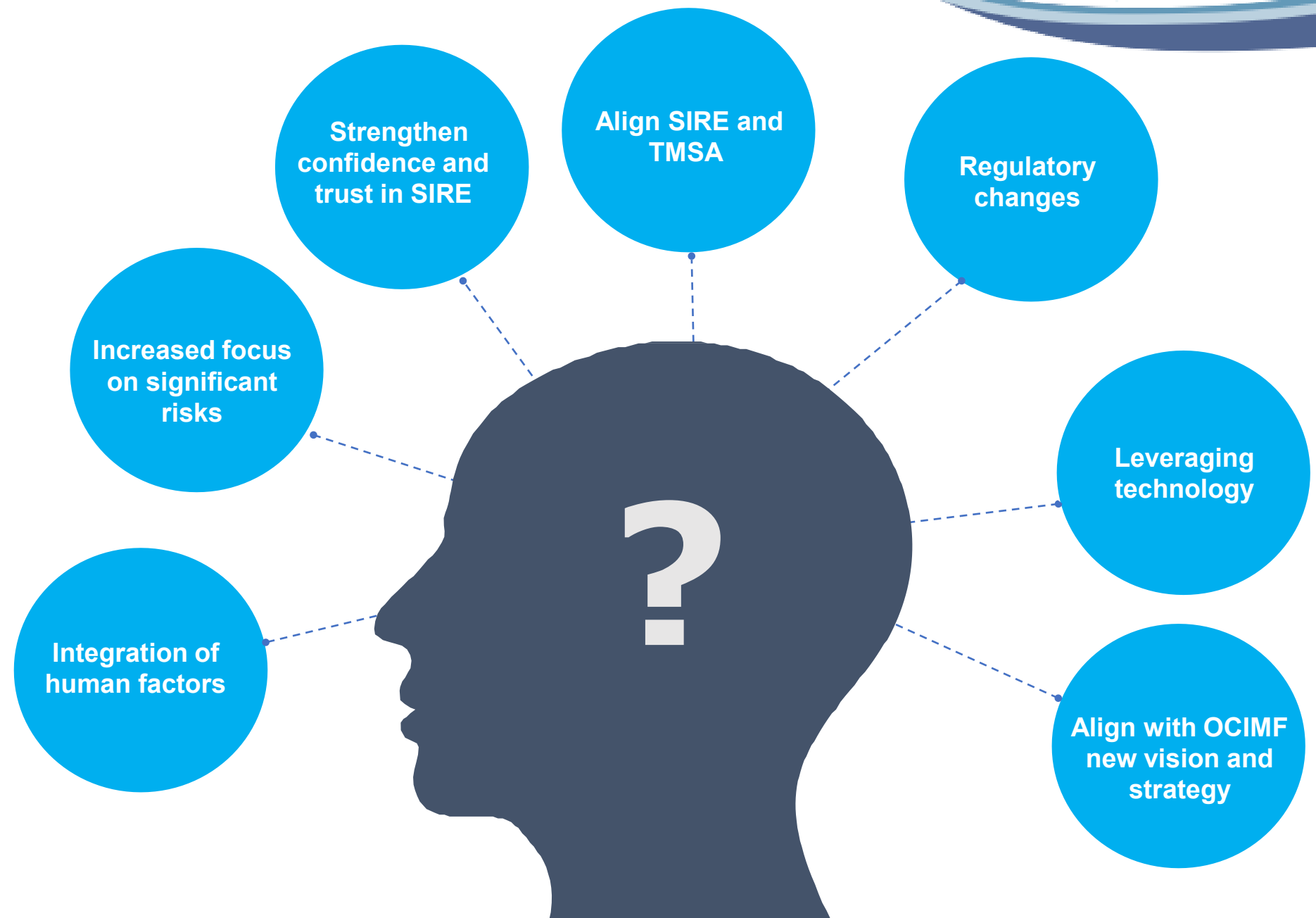


# The SIRE journey so far





# Why SIRE 2.0?



## SIRE vs SIRE 2.0

	SIRE 2.0	SIRE
Granulated question set; greater opportunity for data analysis	✓	✗
Proactive vs reactive changes to question sets/guidance	✓	✗
Recognition of positive performance	✓	✗
Risk-Based questions; Bespoke question set	✓	✗
TMSA alignment	✓	✗
Consideration of Human Factors	✓	✗

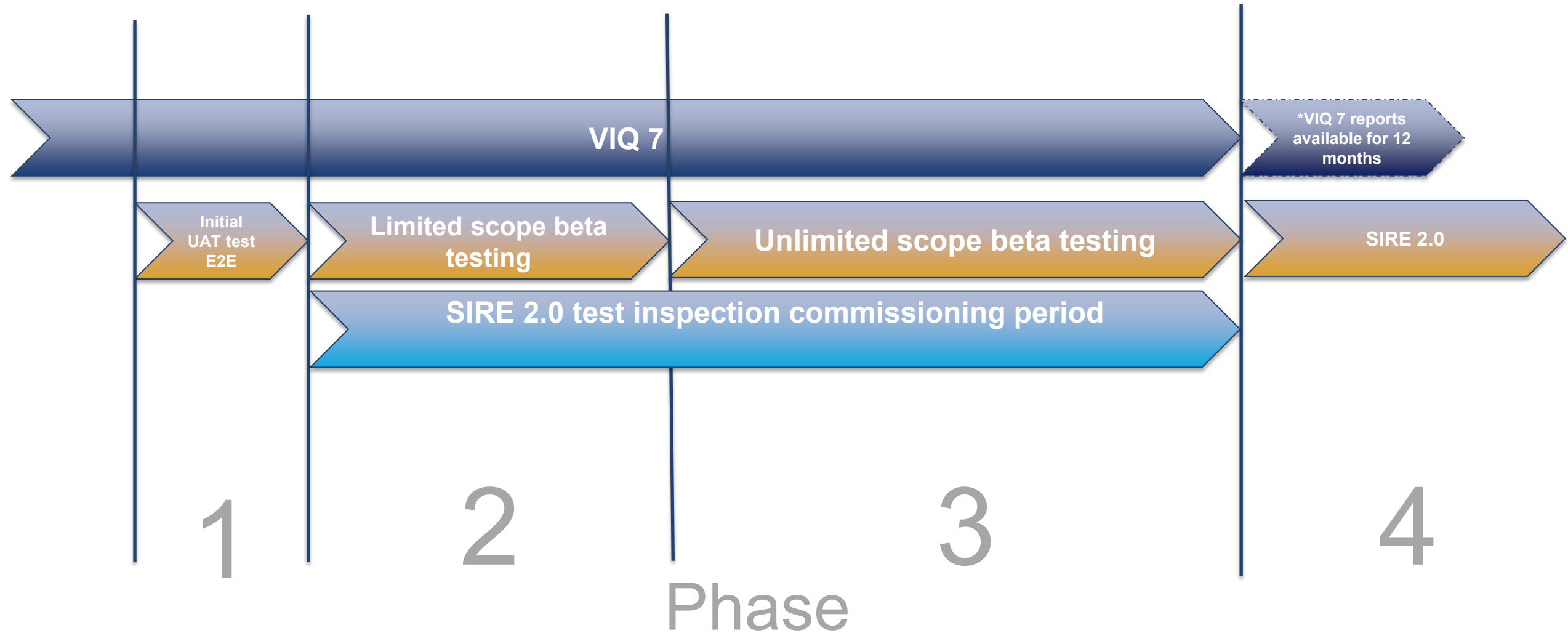


## OCIMF guiding principles on human factors

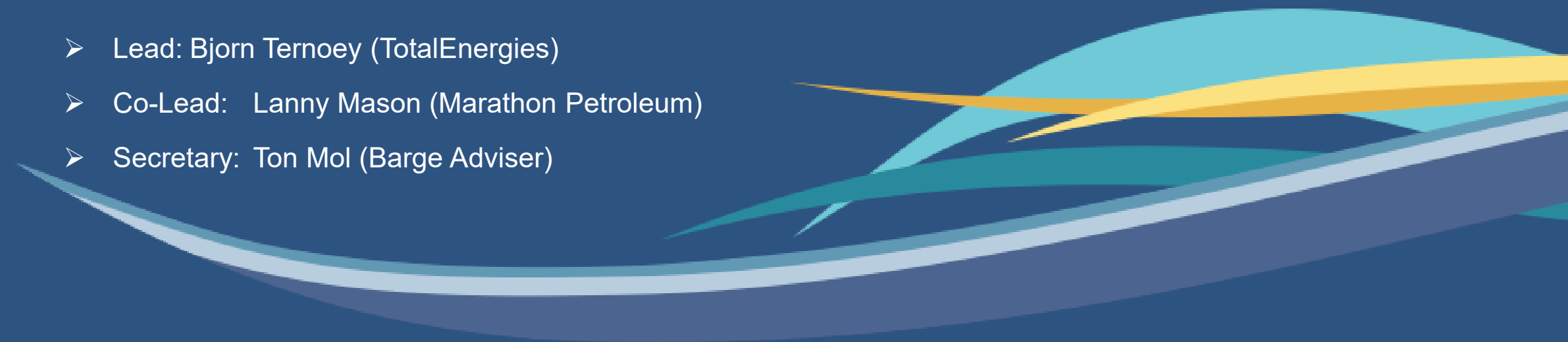
These guiding principles summarise what we know about human factors and how we understand and address them. We use the principles as a simple script to talk about human factors, and as guard-rails for the improvements we make.

- People will make mistakes
- People's actions are rarely malicious and usually make sense to them at the time
- Mistakes are typically due to conditions and systems that make work difficult
- Understanding the conditions in which mistakes happen helps us prevent or correct them
- People know the most about their work and are key to any solution
- Plant, tools and activities can be designed to reduce mistakes and manage risk better
- Leaders help shape the conditions that influence what people do
- It matters how leaders respond when things go wrong. Take the opportunity to learn

# Transition Plan

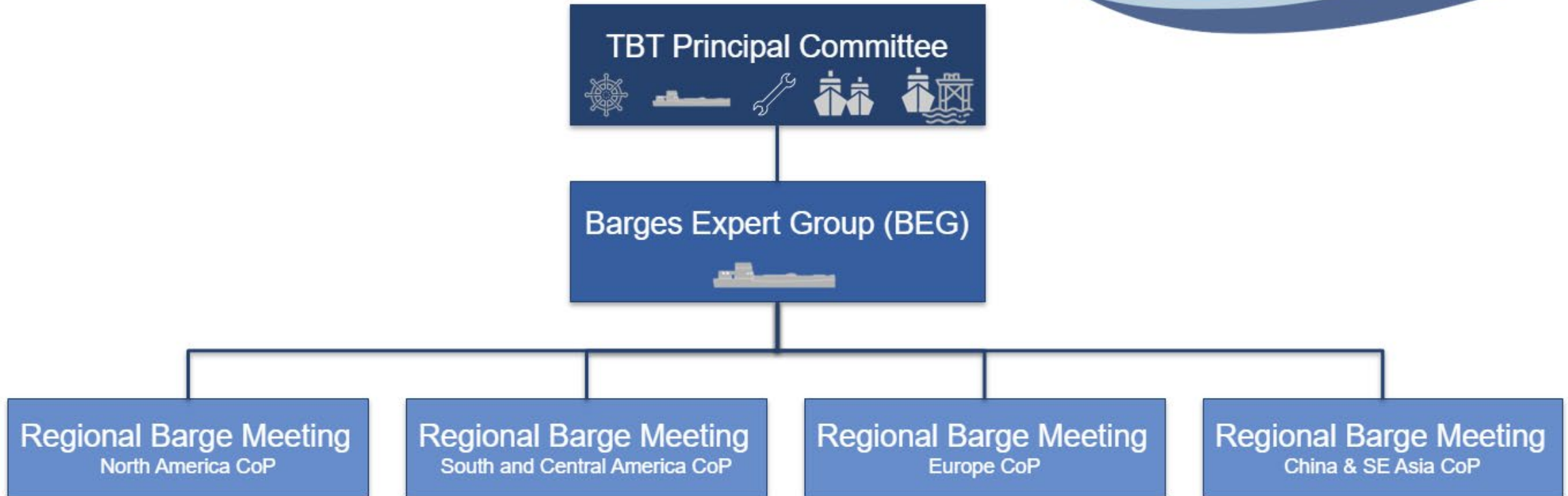


## Barge Expert Group Update

- Lead: Bjorn Ternoey (TotalEnergies)
  - Co-Lead: Lanny Mason (Marathon Petroleum)
  - Secretary: Ton Mol (Barge Adviser)
- 



# Structure Barge Expert Group and Regional groups



# Regional Activities



## Europe

- Regional Engagement event in February in Antwerp with launch of ISGINTT 2.
- New version of BIQ BPQ EU live per July 3rd, 2023.
- Regional Barge Meeting Group has seven members and had three meeting this year.
- WG Smart Shipping was formed and had two meetings, this WG will write the Information Paper Smart Shipping.

## China

- Visit to Shanghai and Nanjin in April 2023.
- Regional Barge Meeting Group with 7 members.
- Proposal for China BIQ is made.
- ISGINTT 2 is translated into Chinese.

# Regional Activities



## North America

- Publication USA Barge Operations is still an effective publication for this region
- Regional Engagement with stakeholders in Nashville in May 2023
- In October, a WG will start working on the revision of the BIQ & BPA for NA
- Regional Barge Meeting group has 8 members and has held three meetings YTD

## South & Central America

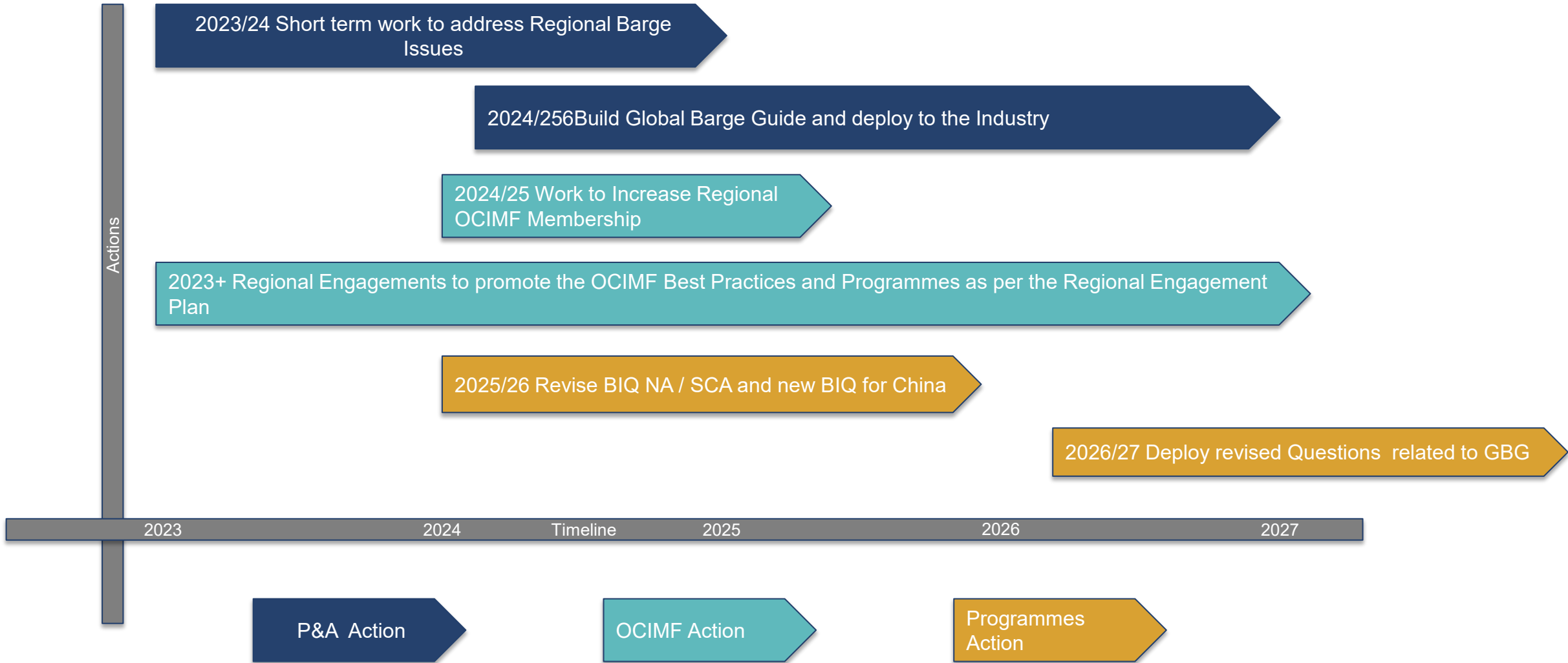
- Information Paper Conversion from Open to Closed Cargo Operation is completed in May, planning for publication is Q4 2023/Q1 2024
- ISGINTT 2 is translated into Spanish & Portuguese and reviewed by members at this time
- OCIMF day in Manaus & Rio de Janeiro
- Regional Barge Meeting groups has 15 member
- RBM has held three meeting YTD
- A WG will start in 2024 working on the revision of the BIQ and BPA for SCA

# Global Barge activities



- Work on Global Barge Guide will start end 2024
- All Regional Barge Meeting groups report activities to the BEG

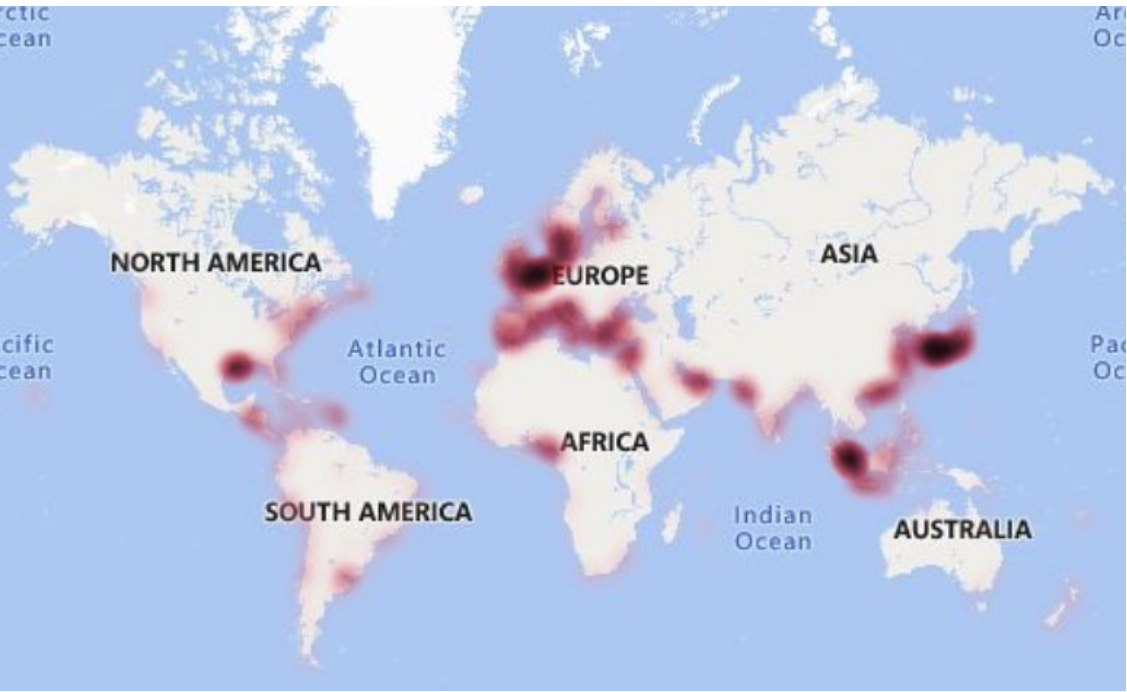
# OCIMF Strategic Project to increase application of Best Practice and Programmes for Barges



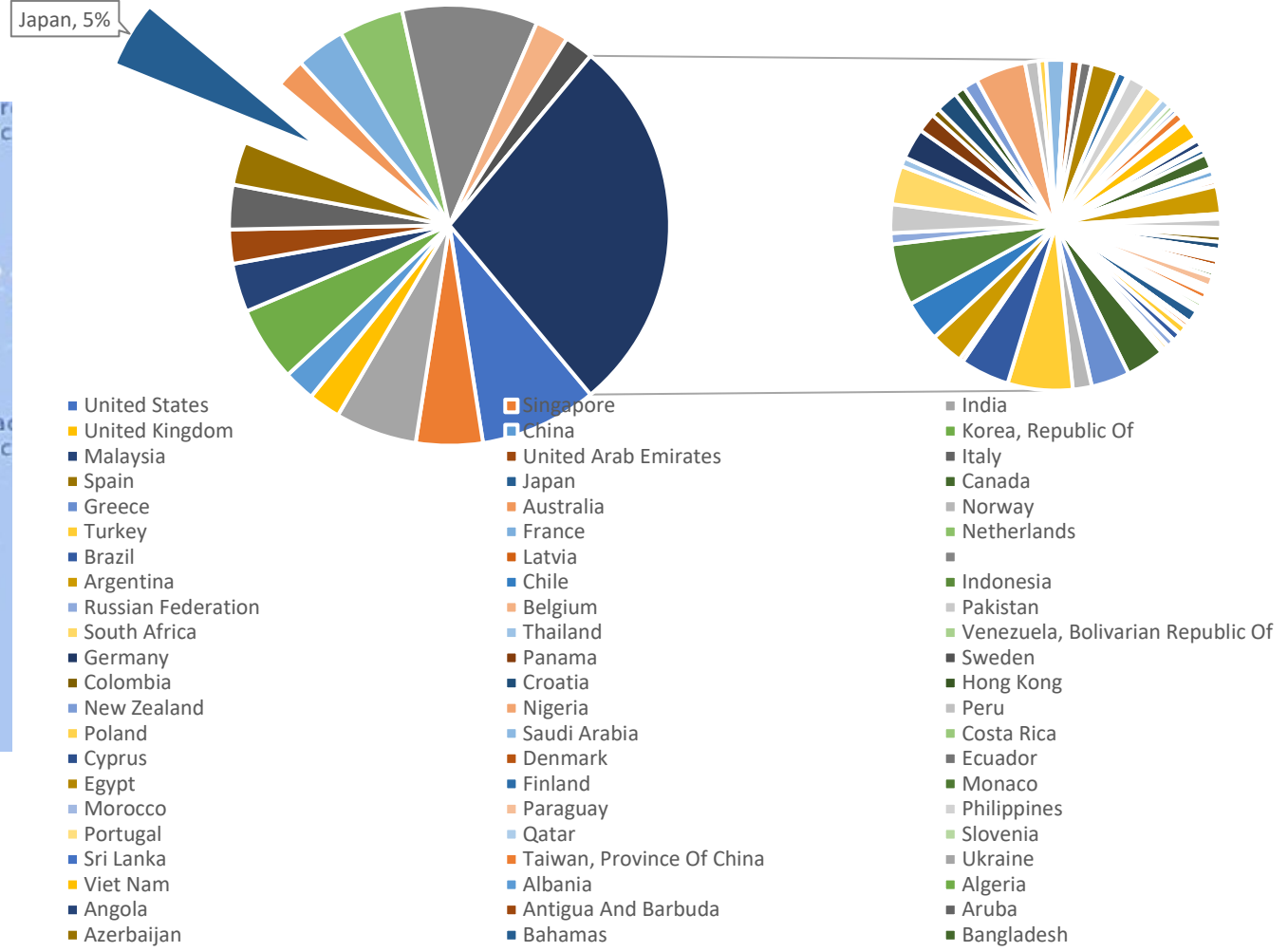
Inspector data



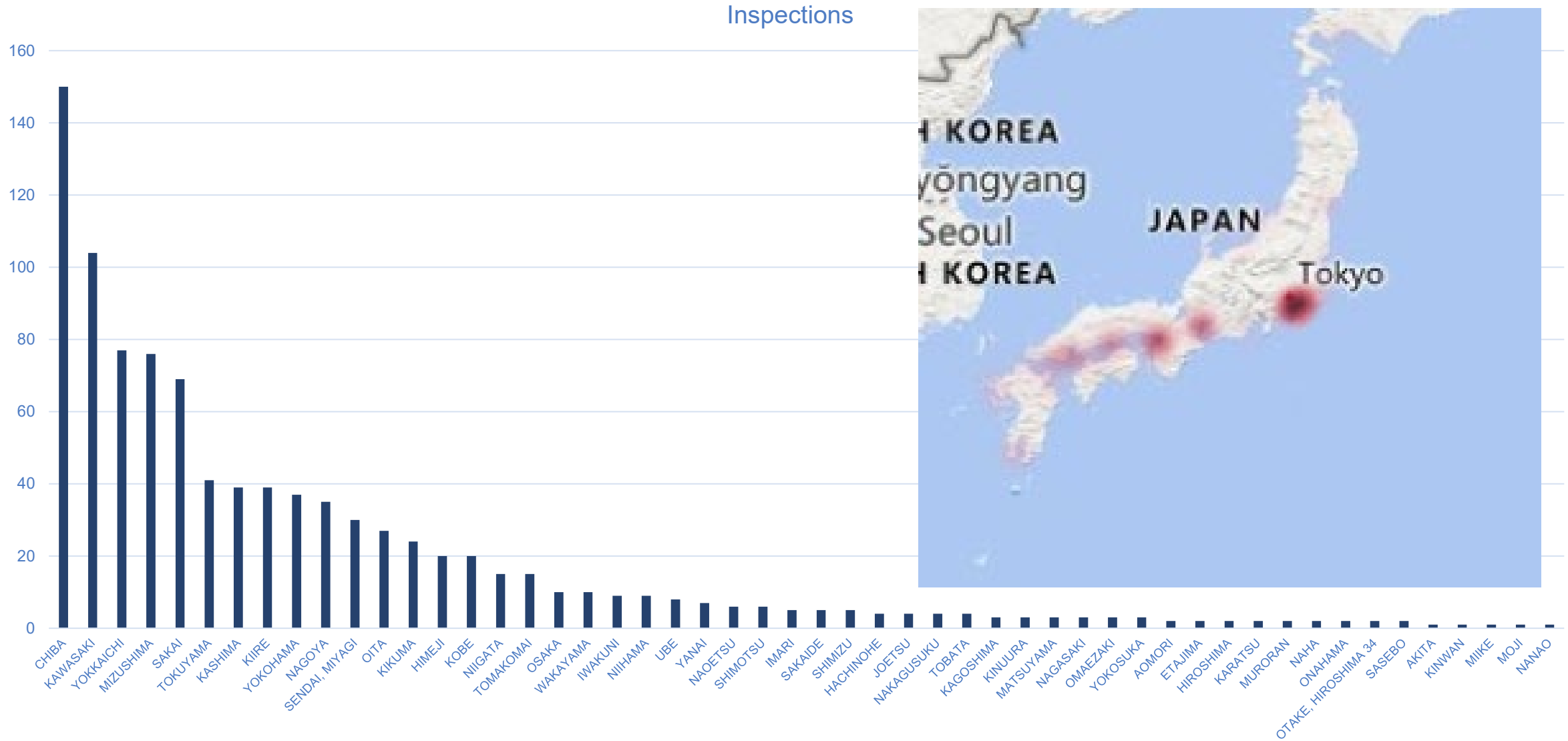
# SIRE Cat-1 Inspections - Global



Inspections



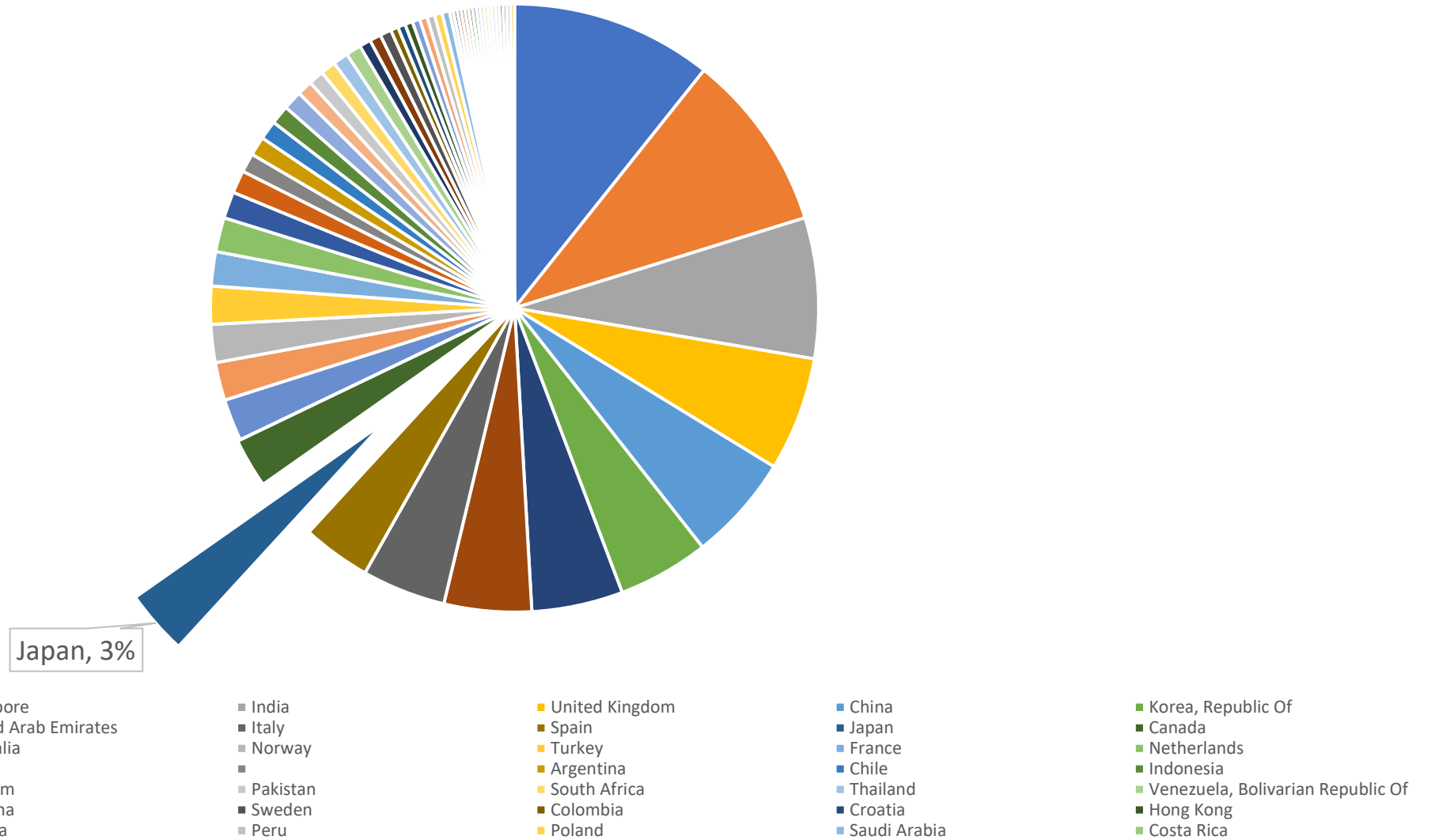
# SIRE Cat-1 Inspections - Japan





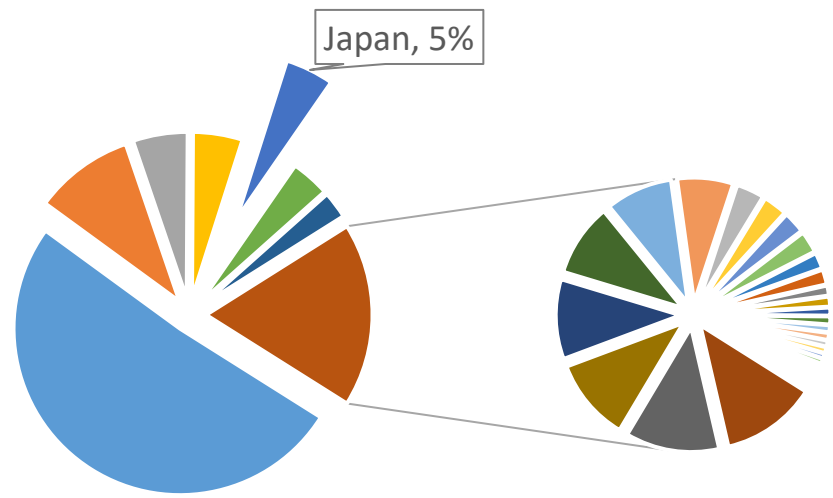
# SIRE Cat-1 Inspectors - Japan

## SIRE Cat-1 Inspectors



# SIRE Cat-3 Inspections - Global

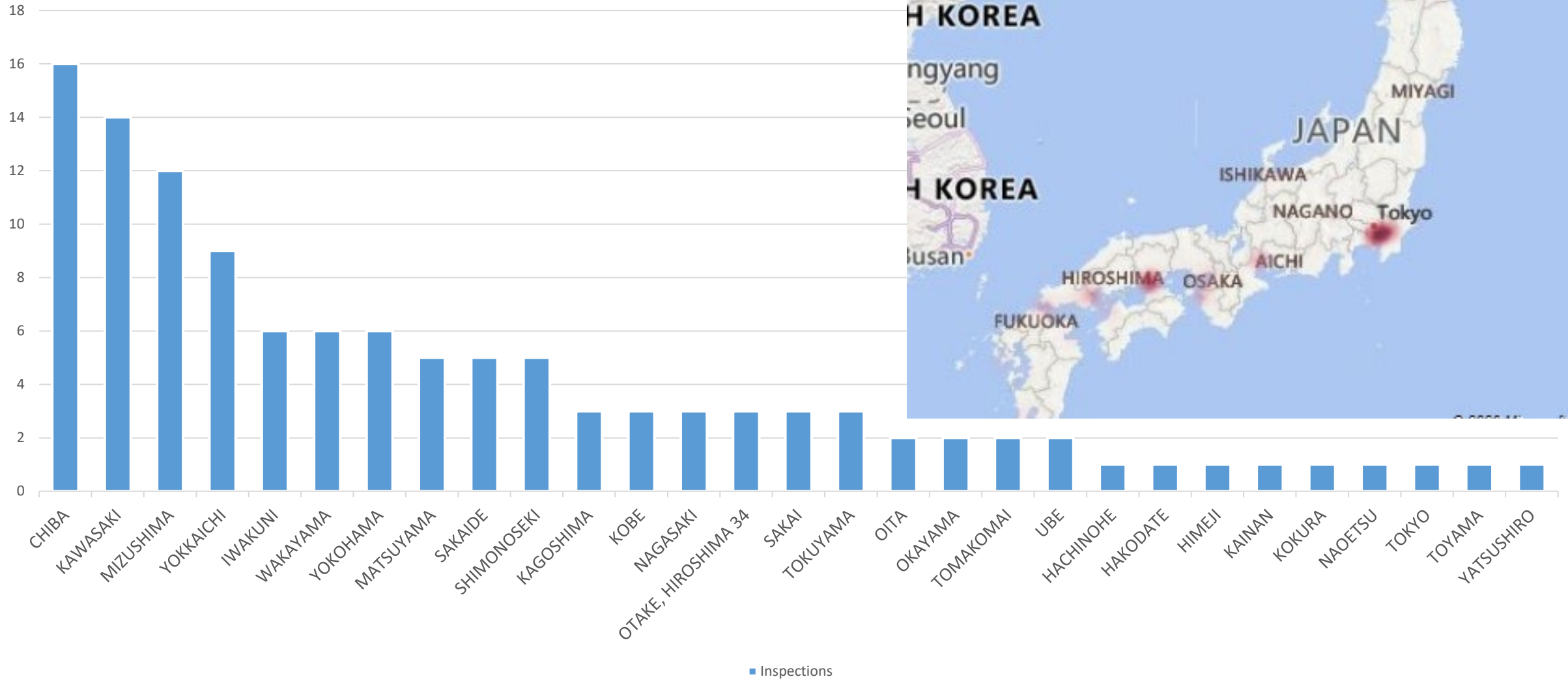
## Cat-3 Inspections



- United States
- Japan
- Brazil
- United Kingdom
- China
- Ecuador
- Liberia
- Cuba
- Italy
- Thailand
- Saudi Arabia
- Netherlands
- Croatia
- Hong Kong
- Algeria
- Paraguay
- Greece
- South Africa
- Ireland
- Hungary
- Denmark
- Switzerland
- Canada
- Sweden
- France
- Curacao
- Argentina
- Saint Vincent And The Grenadines
- Singapore
- India
- Estonia
- Qatar
- Turkey
- Germany
- Belgium
- Australia
- Norway
- Portugal
- Spain
- Nigeria
- Puerto Rico
- Austria
- Romania

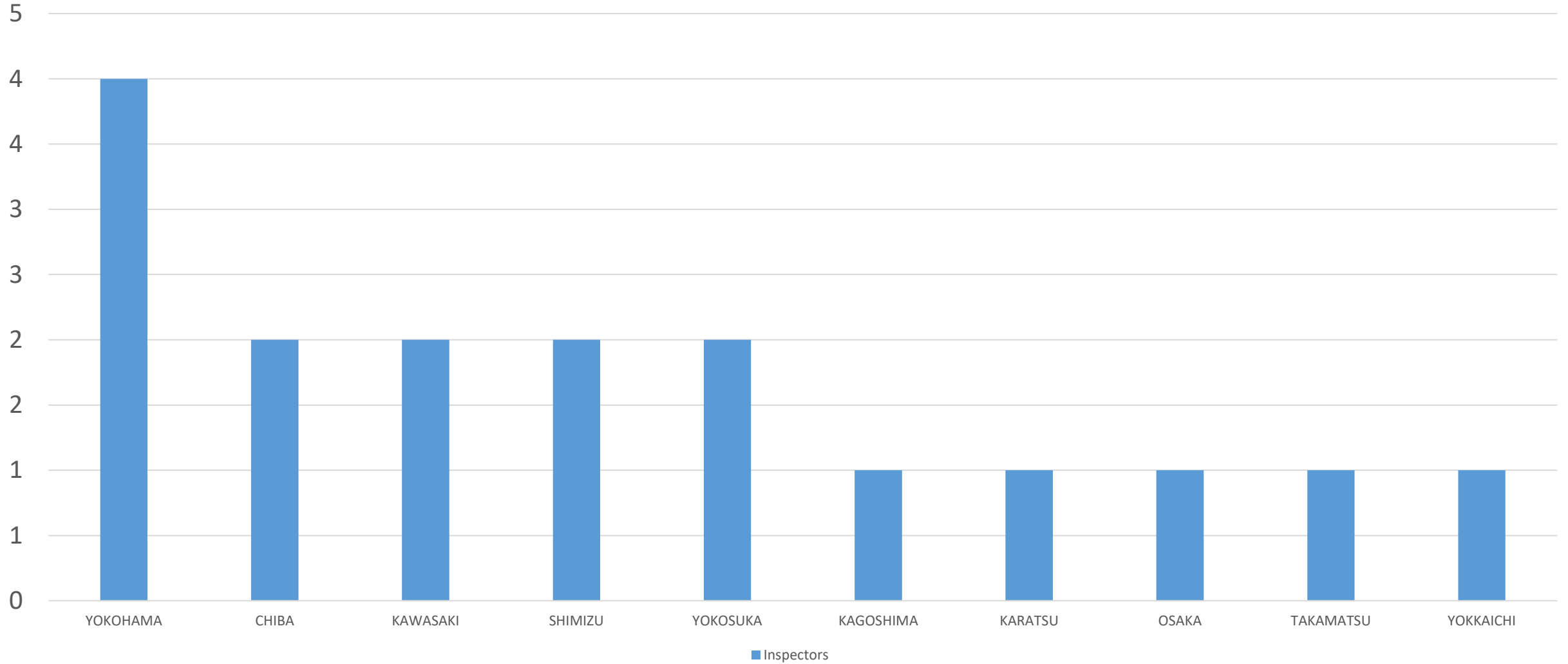
# SIRE Cat-3 Inspections - Japan

## Cat-3 Inspections



# SIRE Cat-3 Inspectors - Japan

SIRE Cat-3 Inspectors



### □ Introduction of Inspection Request Platform

- Ability to submit requests in Japanese and have these presented in English to Submitting Companies.
  - Work is ongoing – development planned for end-2023/early-2024

### □ Training programme for Inspectors

- SIRE Category-1
  - Refresher programme attended by all SIRE Cat-1 inspectors.
  - Transition programme successfully completed.
  - New Inspector programme will be announced at the end of 2023 and will commence in Q3 of 2024

Thank-you

