



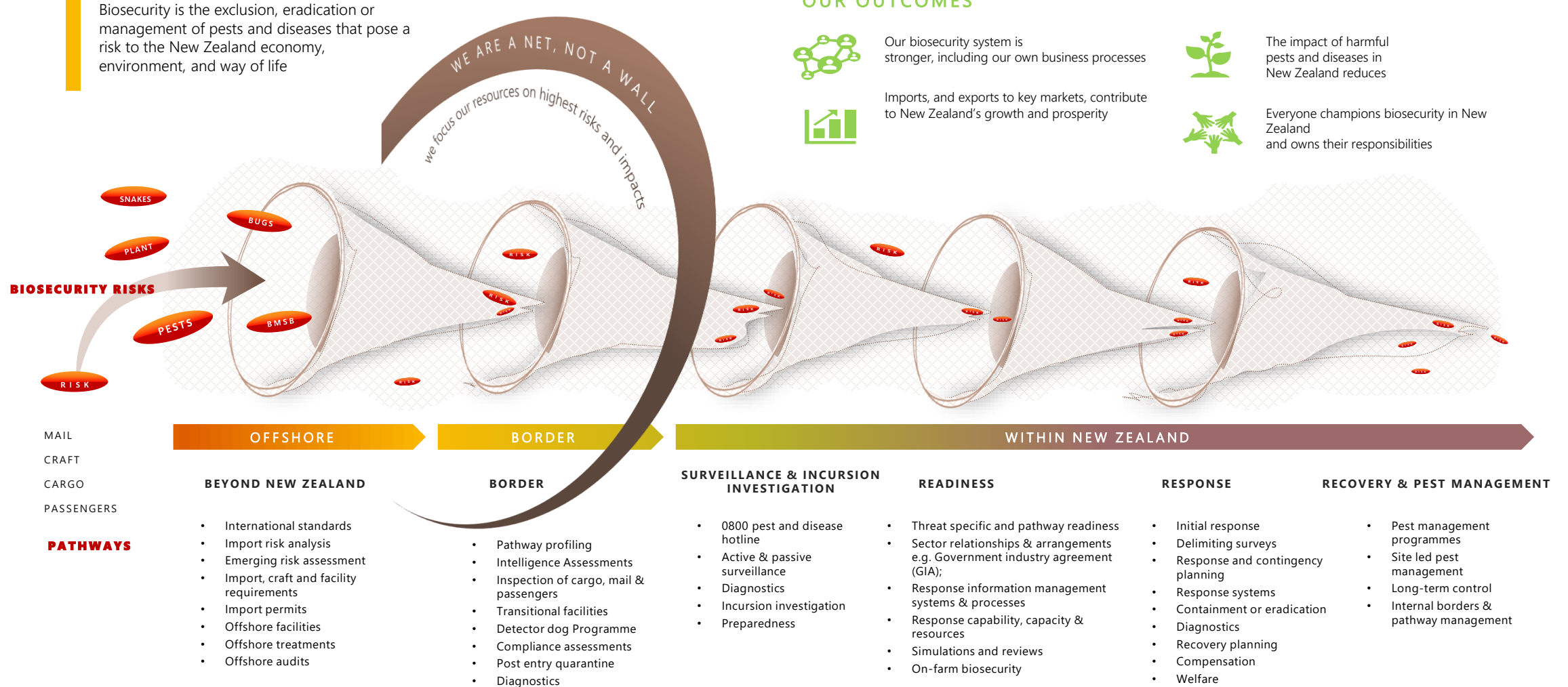
Biofouling Management in New Zealand



THE NZ BIOSECURITY SYSTEM

Layers of risk management

Biosecurity is the exclusion, eradication or management of pests and diseases that pose a risk to the New Zealand economy, environment, and way of life

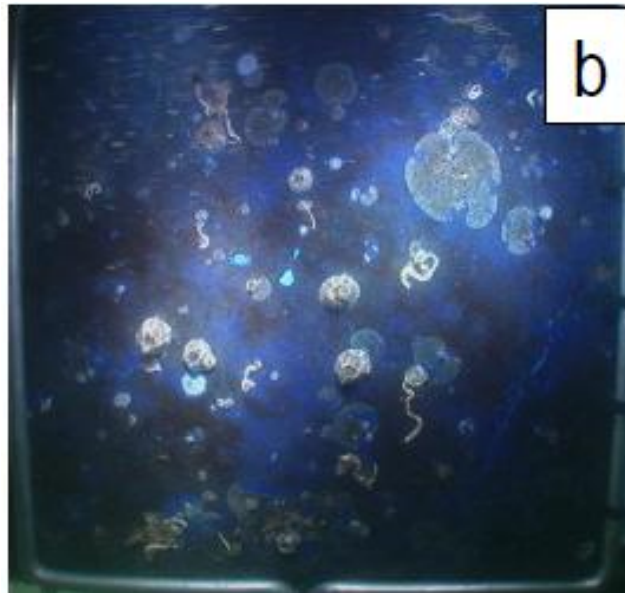


Biofouling

Slime layer forms

Early colonising macrofoulers -
tubeworms, barnacles,
bryozoans, etc.

Secondary fouling - mussels,
oysters, soft fouling, etc.



Craft Risk Management Standard for Vessels

Outcome statement:

‘Vessels must arrive to New Zealand with a clean hull’



Vessels

CRMS Vessels

13 October 2023

Excludes biosecurity risks managed by:

International Convention for the Control and Management of Ships' Ballast Water and Sediments

Please refer to this document for further details.

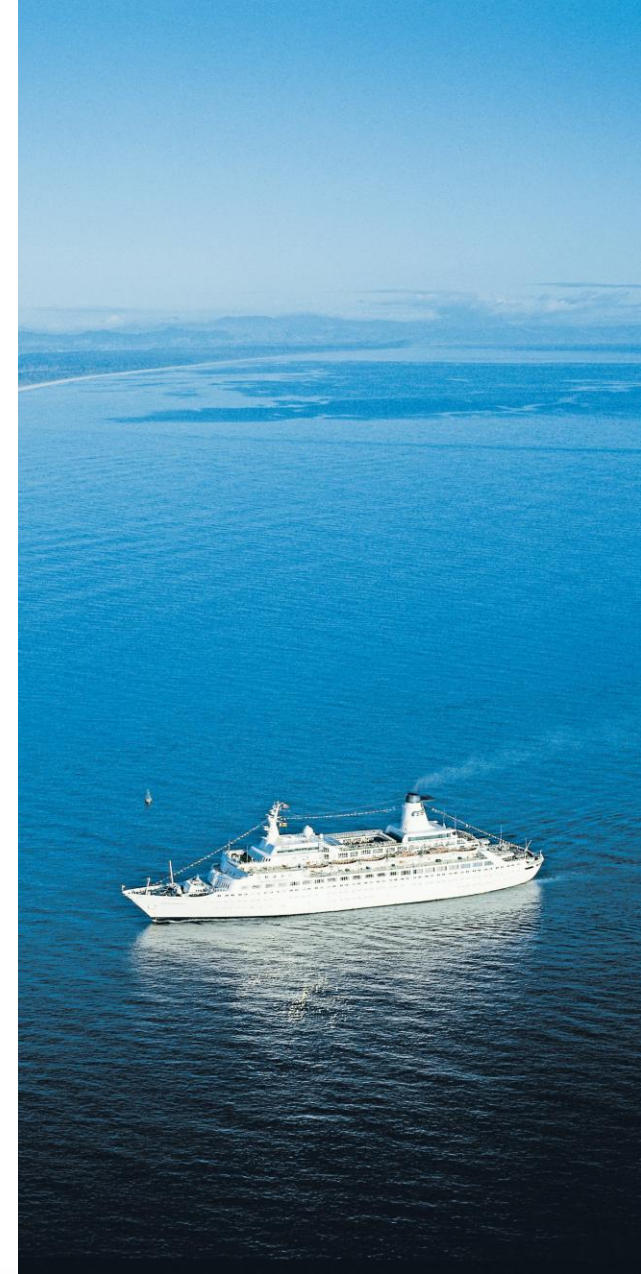
Tips for ensuring a vessel bound for NZ has a 'clean hull'

1. Proactive cleaning. Follow good biofouling management. Where possible, clean slime layer biofouling before it can become hard fouling.
2. Begin preparations for visiting New Zealand well in advance. Ensure you are aware of the condition of your vessels hull early.
3. We provide advice and early assessments on a vessel's compliance status.



Compliance Data - 2025/26 Season

- 39 cruise vessels visited New Zealand. The vessels completed 92 voyages and completed 655 port calls
- All 39 vessels displayed compliance under the Recognised Cruise Line Programme for topside biosecurity risk
- 38 out of 39 vessels were compliant for biofouling
- Biofouling non-compliance is continuing to steadily decrease annually. Decreasing from:
 - 11 vessels in 2022/23,
 - 5 in 2023/24,
 - 3 in 2024/25, and
 - 1 in 2025/26.



How we have engaged with industry

1. Lots of face to face meetings
2. On-line forums and talking one on one with operators online
3. Generic notifications / preseason webinars (first one held 11 August)
4. Working with operators to tailor our approvals to meet there operating profiles – extending the length of approvals if the proposed CRMP will manage the risk

We are talking year-round to cruise operators

In-water Cleaning

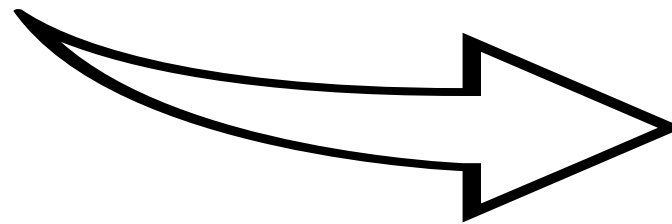
ISO 6319

Ships and marine technology —
Marine environment protection
— Conducting and documenting
in-water cleaning of biofouling on
ships

First edition
2026-03

- One provider approved in New Zealand
- Talking to global cleaning providers
- Capture technology is being developed

Technology is evolving



International Work

The development of a International Maritime Organisation Convention for the management of Ship's Biofouling

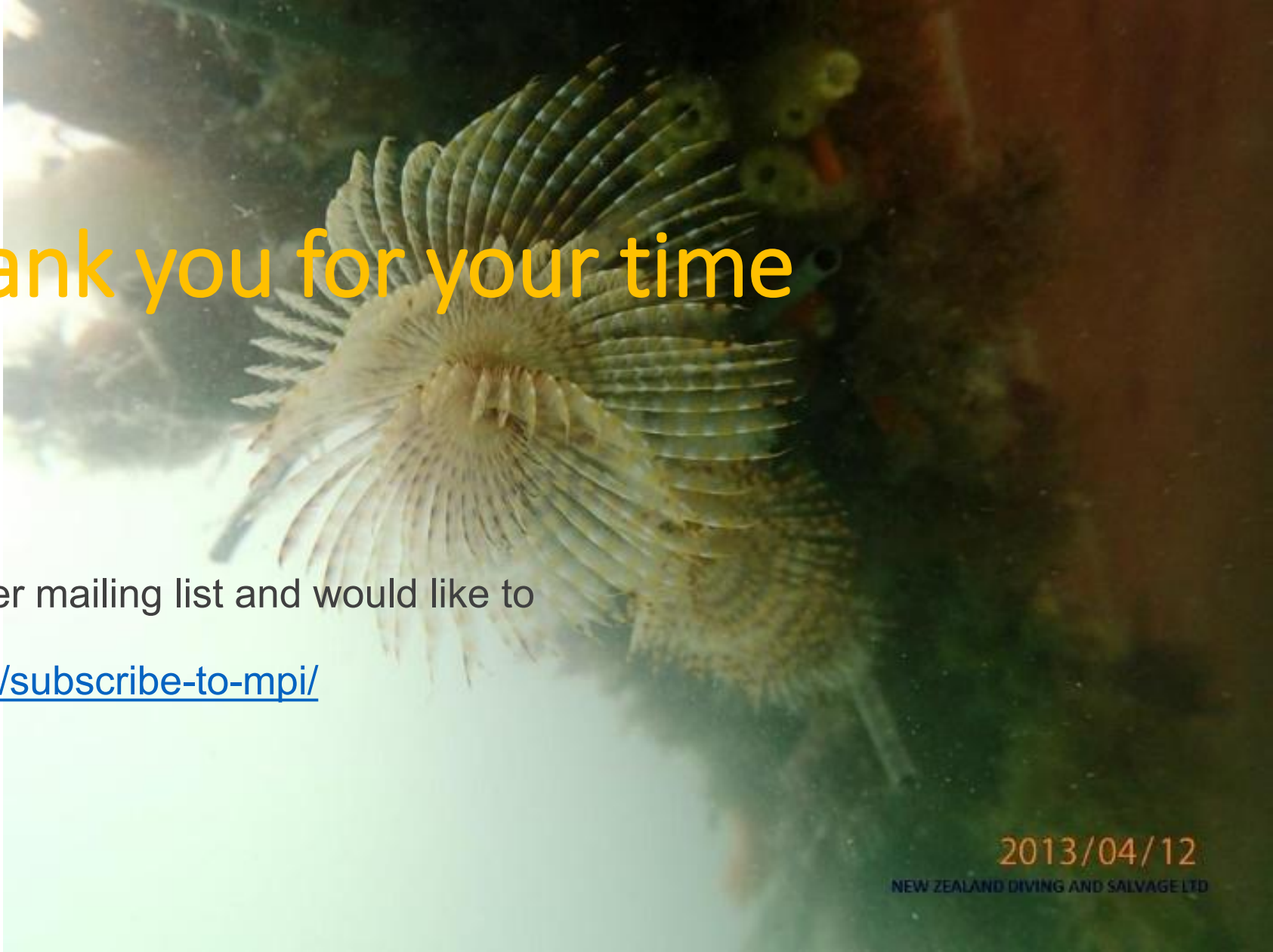
- 2025 saw the approval at the IMO for the development of a standard alone convention for biofouling
- An intersessional Correspondence Group has been begun working on drafting the goals and base structure of the convention
- MPI are heavily engaged and will represent New Zealand position on what is practicable biofouling management on a global level



What's next

- We are working with the cruise sector to implement flexible and practical approaches to meeting biosecurity requirements. Its important we work with operators to give them the confidence to meet our standards
- International work around biofouling management
- In-water cleaning – where technology is going globally
- MPI continues to engage with Department of Agriculture, Fisheries and Forestry of Australia regarding the management of biofouling. Our requirements are largely aligned, with the primary difference being the compliance approach.



An underwater photograph of a sea urchin, showing its radial symmetry and spines. The background is a soft-focus underwater scene with some greenery and light filtering through the water.

Ngā mihi! Thank you for your time

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2013/04/12

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