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The current state of play

Chair: Costa Georgiadis

Keynote speakers: Malcolm Letts, Lyn O'Connell and Roger Smith

The background features a dark teal color with a network diagram of white nodes and lines. A large, faint circular graphic is also visible behind the title.

The future of Queensland's biosecurity system

Malcolm Letts

Deputy Director-General, Department of Agriculture and Fisheries

Current and recent challenges

- 7 current responses
- Exotic and established animal and plant pest and disease incidents
- Strawberry tampering
- FNQ & NQ monsoon
- 58% drought declared
- Unauthorised on-farm entry



Protecting our clean, green market advantage

**INCREASED
BIOSECURITY
RISKS**



**PROTECTING
OUR
COMMODITIES**



Surveillance



Queensland Biosecurity Strategy 2018-2023



Collaborative
governance &
leadership



Every
Queenslander
plays their part



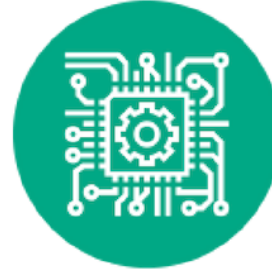
Empowered
to Act



Bright ideas and
better ways



Valuing and
building on our
investments



Better intelligence
systems

Shaping national R&I agenda



Machine learning



Data technologies



Next gen
sequencing

Managing major responses



Fire Ants



White Spot
Disease



Panama TR4

We all have a role to play

*"Alone we can do
so little; together
we can do so
much."* ...

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Queensland
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Australian Government
Department of Agriculture

The Current State of Play

Lyn O'Connell
Deputy Secretary Biosecurity
Department of Agriculture



Australia continues to benefit greatly from international trade

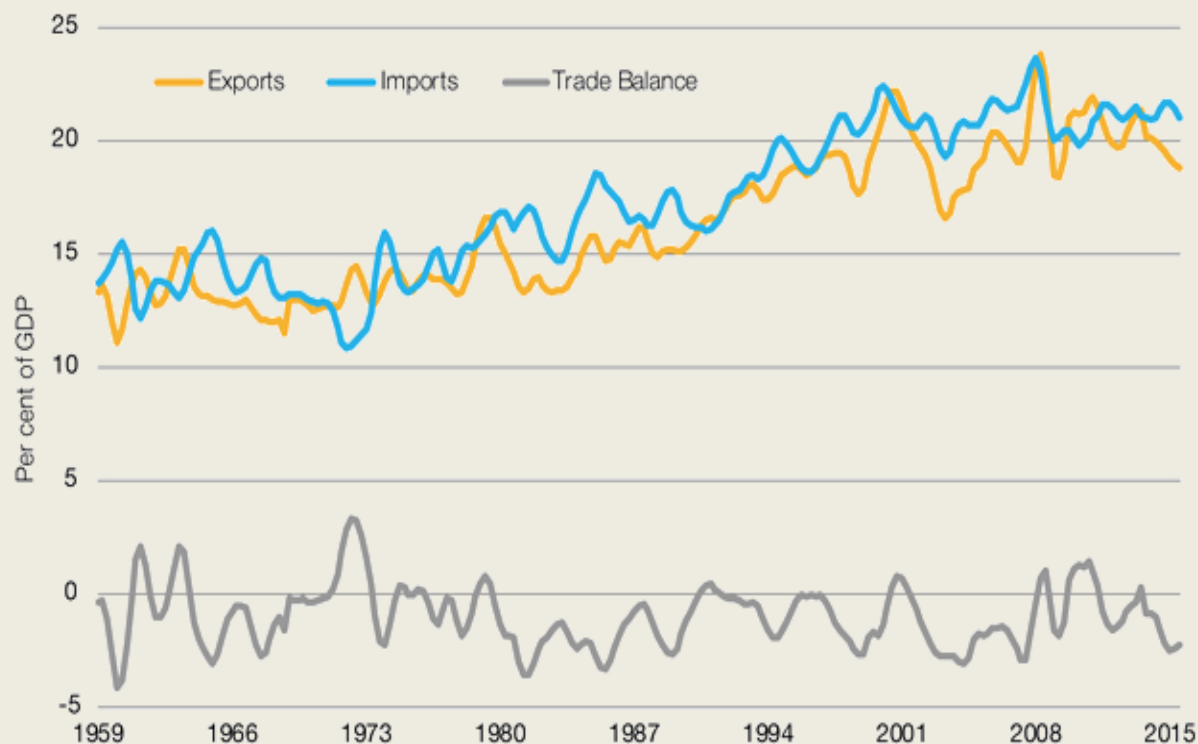


Fig. 1: Exports, imports and trade balance as a proportion of Australia's GDP

Source: Australian Bureau of Statistics (ABS), Australian national accounts, cat. no. 5206.0, ABS, Canberra, March 2016.

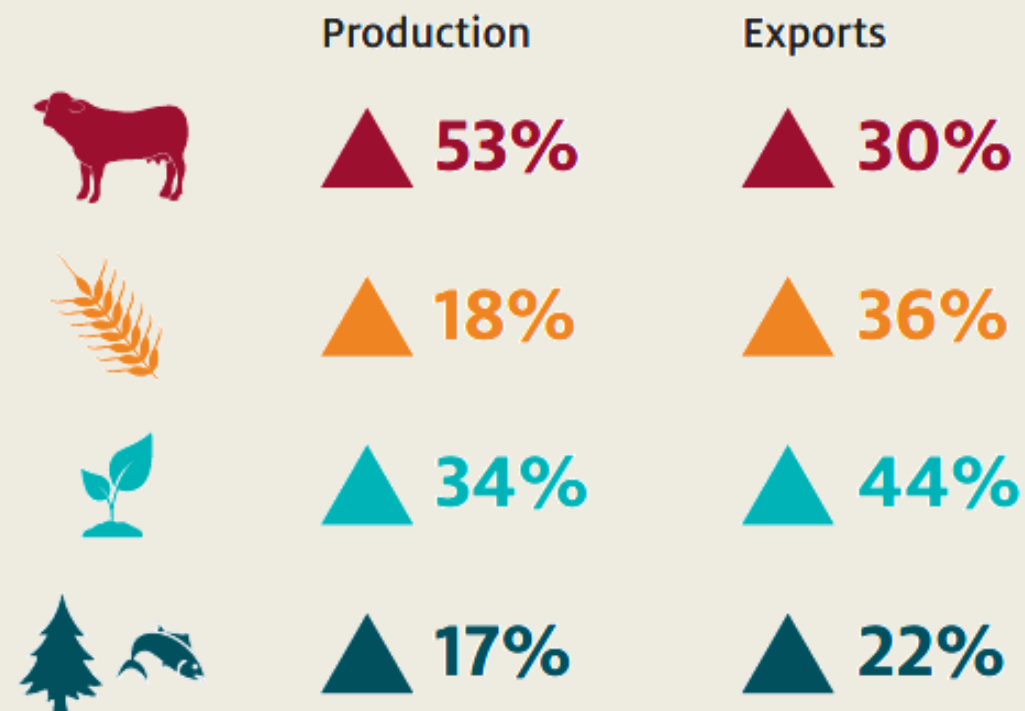
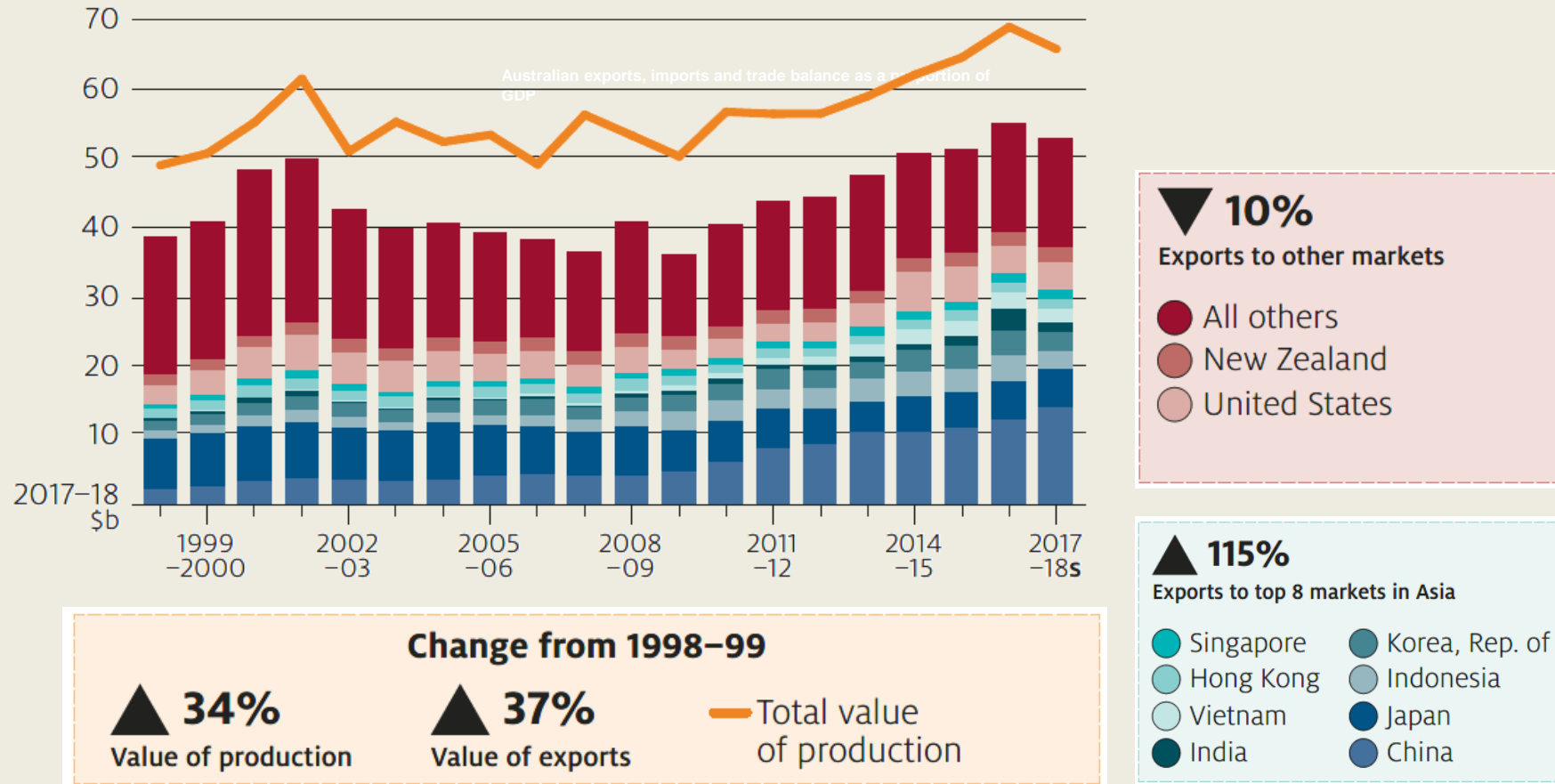


Fig. 2: Increases in production since 1998 (agriculture, fisheries and forestry)

Source: ABARES Insights, Issue 1, 2018, ABS International Trade in Goods and Services, Australia (cat. 5368)

Our main markets are in Asia and have become more discerning with a growing middle class

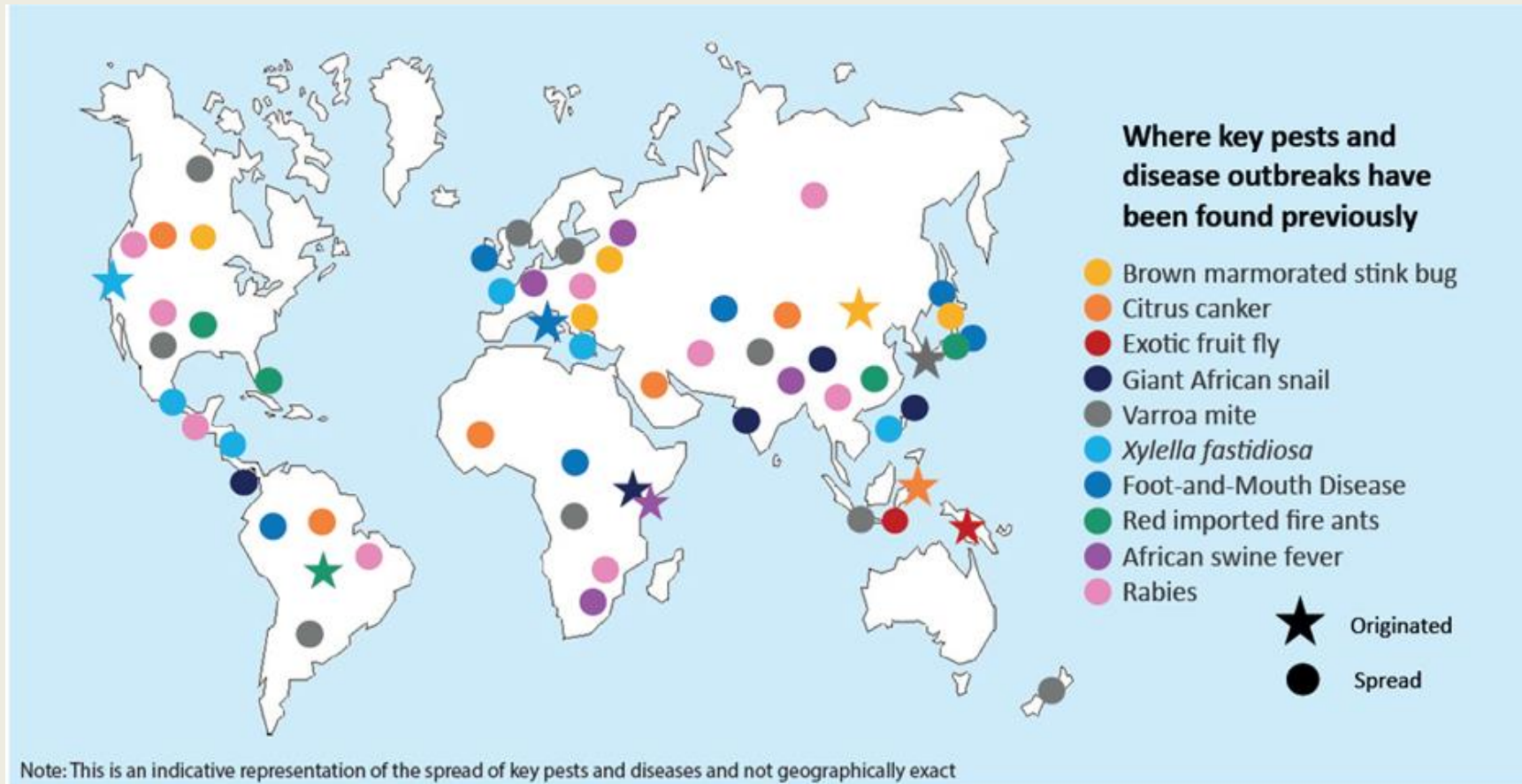


Source: ABARES Insights, Issue 1, 2018, ABS International Trade in Goods and Services, Australia (cat. 5368)

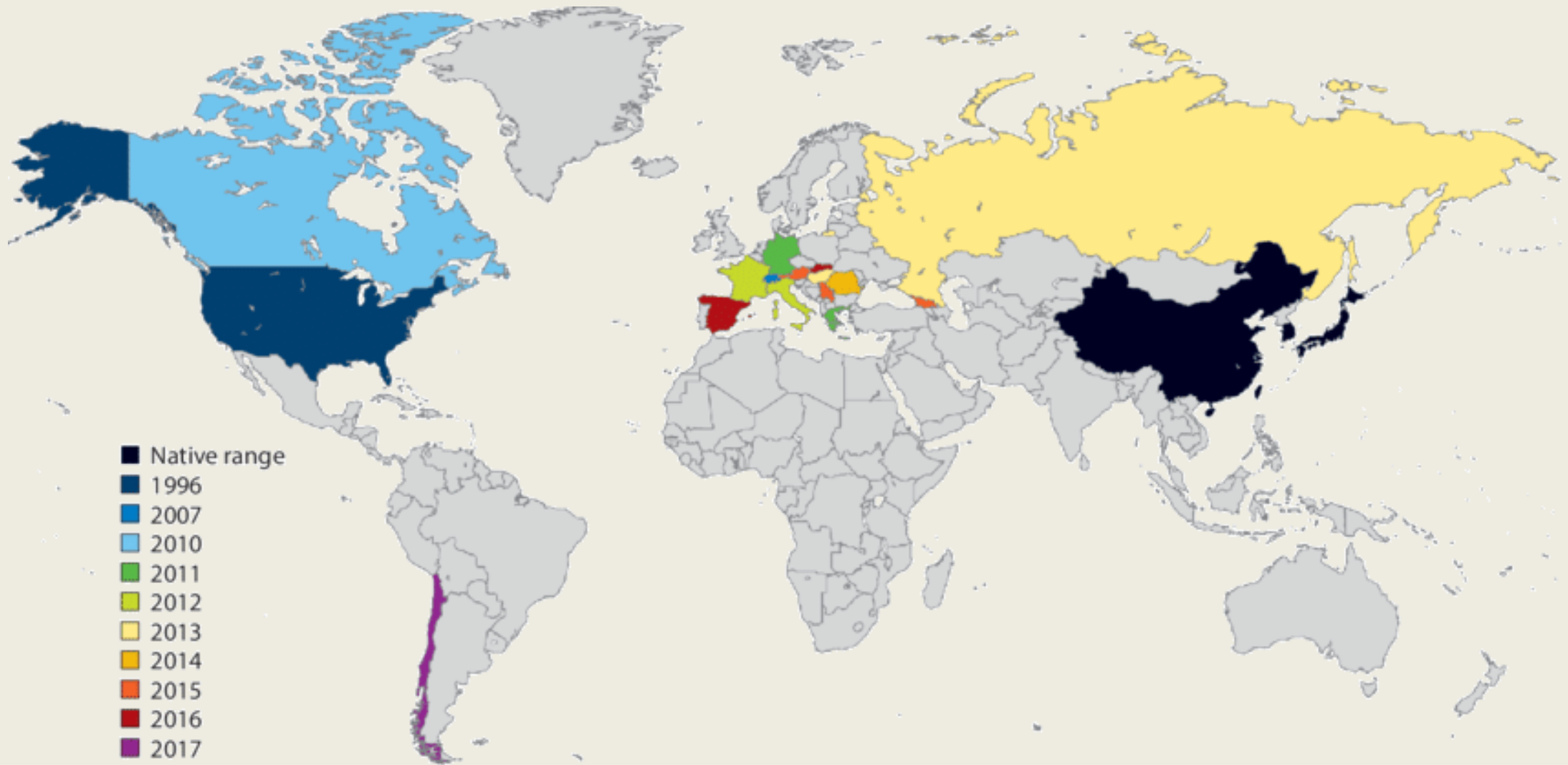
Managing biosecurity risks is becoming more challenging with increases in...



Globalised trade and tourism is driving the spread of pests and diseases

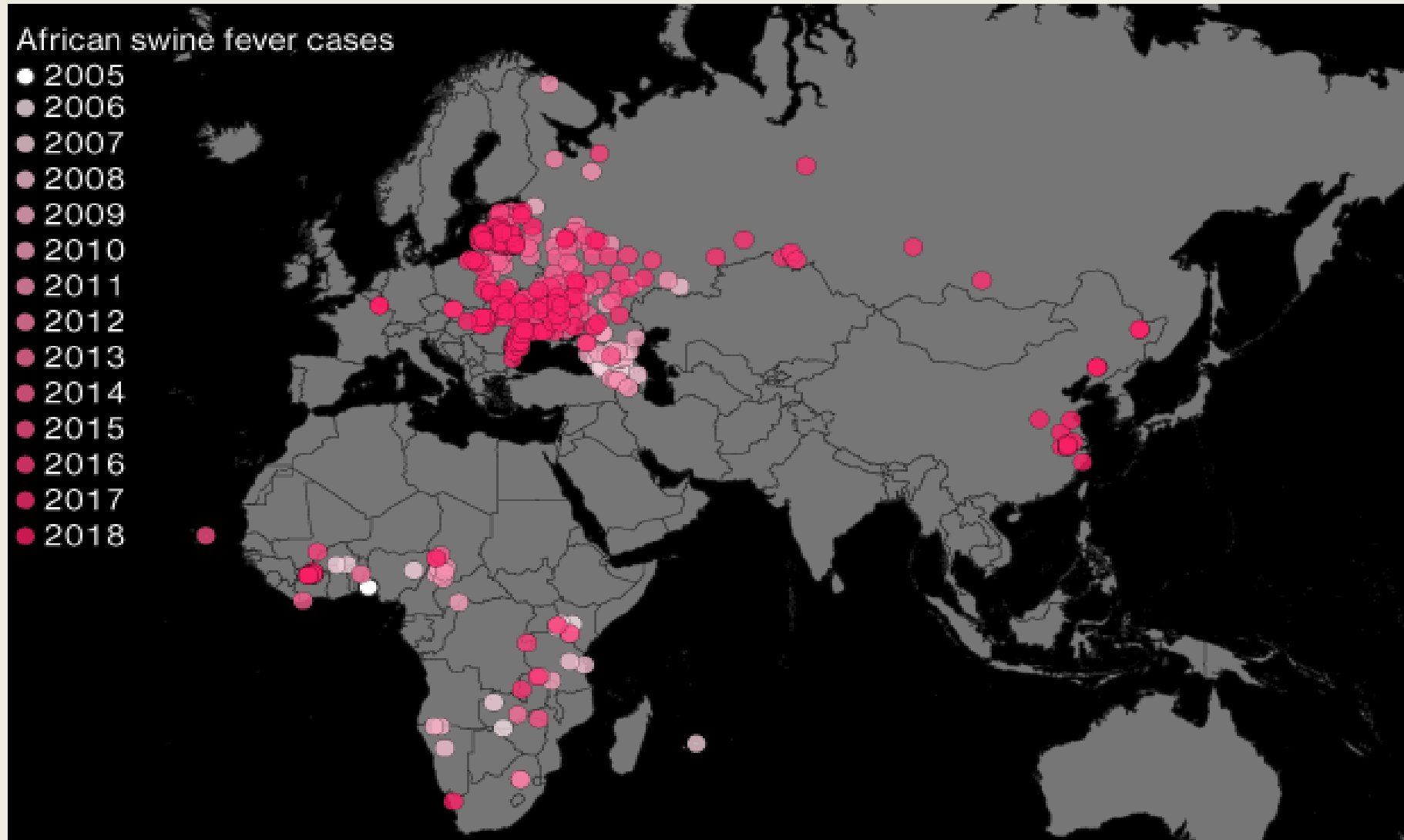


Global distribution of established brown marmorated stink bug (BMSB) populations by year of detection

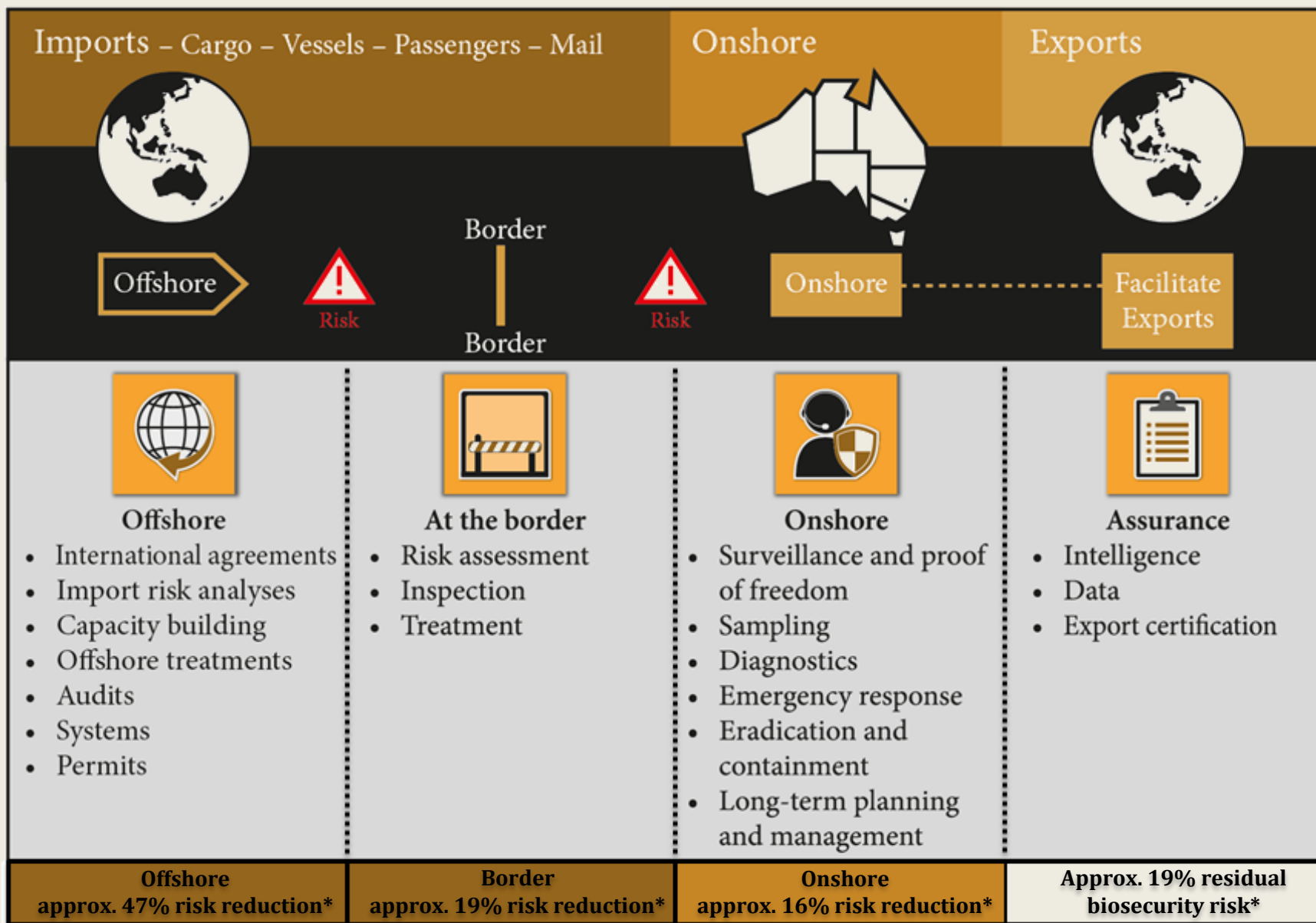


Source: Leskey, Tracy & Nielsen, Anne. (2018). Impact of the Invasive Brown Marmorated Stink Bug in North America and Europe: History, Biology, Ecology, and Management. *Annual Review of Entomology*. 63. 599-608.

Global spread of African swine fever



Source: World Organization for Animal Health (OIE) 2018

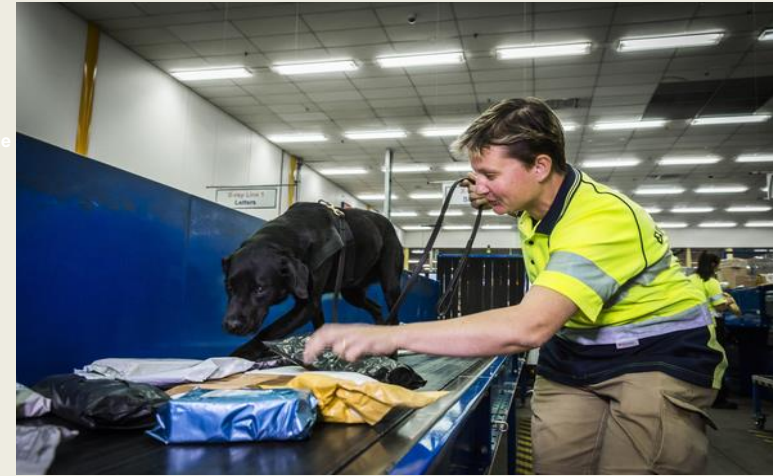


**Risk reduction estimates were generated by the Risk Return Resource Allocation (RRRA) model. These estimates are approximate and bounded by significant uncertainty. Risk refers to agricultural risk only.*

Biosecurity is not just about agriculture



Building a smarter, more efficient biosecurity system



Future-proofing the biosecurity system through innovation



Enabling a greater environment & biodiversity focus

- Establishing the **Environment and Invasives Committee**,
 - supported by the **Environmental Biosecurity Advisory Group** and
 - working with the new **Chief Environmental Biosecurity Officer**
- Hosting environmental biosecurity roundtables
- Reviewing preparedness and response capacity



Prioritising pests and diseases



International cooperation



International
Plant Protection
Convention

International standards



Container hygiene



Ballast water management



Biofouling

Everyone plays a role in biosecurity



Thank you



INTERNATIONAL YEAR OF
PLANT HEALTH
2020

An elderly Māori man with a grey beard and hair is seated on a weathered wooden armchair on a dark, wet beach. He is wearing a red and black patterned shawl over a dark jacket and a green and white striped scarf. He is looking off to the side with a calm expression. In the background, a large, dark rock formation rises from the sea under a cloudy sky with soft light. The overall mood is serene and contemplative.

Biosecurity is up
to all of us

KO TĀTOU THIS IS US

BIOSECURITY 2025



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