



Australian Government
**Department of Agriculture,
Fisheries and Forestry**



**World Organisation
for Animal Health**

中华人民共和国农业农村部

Ministry of Agriculture and Rural Affairs of the People's Republic of China

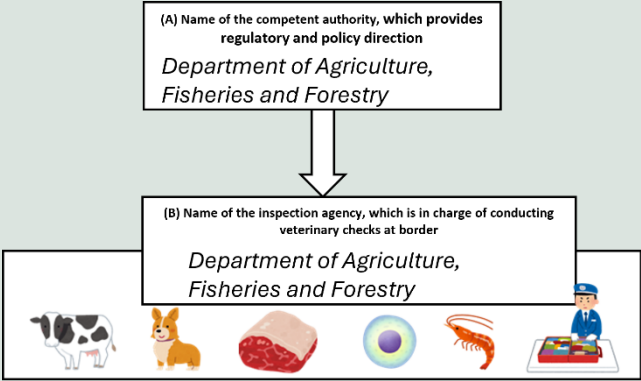








Implementing Border inspection and quarantine

Australia

Dr Leah Wells and Dr Jarrad Sanderson

Organisational Structure for Veterinary Inspection at the Border Post



	Commodity	Document Check	Quarantine Isolation	Clinical Examination	Serological Test	Pathogen Detection (e.g. PCR)	Other Tests(e.g. visual, chemical)	Responsible Authority
	Livestock (e.g. cattle, pigs, alpacas, eggs)	Yes	Yes	Yes	Yes	Yes	Yes	DAFF
	Companion animals (e.g. dogs, cats)	Yes	Sometimes	Yes	Yes	Sometimes	Yes / No	DAFF
	Products of animal origin (e.g. meat, eggs)	Yes	N/A	N/A	N/A	Sometimes	Sometimes	DAFF
	Animal genetic materials (e.g. semen, embryo)	Yes	Sometimes	N/A	N/A	Sometimes	No	DAFF
	Aquatic	Yes	Yes	Sometimes	No	Sometimes	Yes	DAFF
	Passenger luggage	Yes	N/A	N/A	N/A	No	Yes	DAFF/Australian Border Force

Current Situation and Key Issues

Top 3 animals with highest import volume:

- 1 Live fish
- 2 Hatching eggs
- 3 Companion animals

Top 3 animal products with highest import volume:

- 1 Dairy products (butter, cheese, etc.)
- 2 Pig meat
- 3 Other products (Fish meal, pet food)
- 4 Also, genetics?

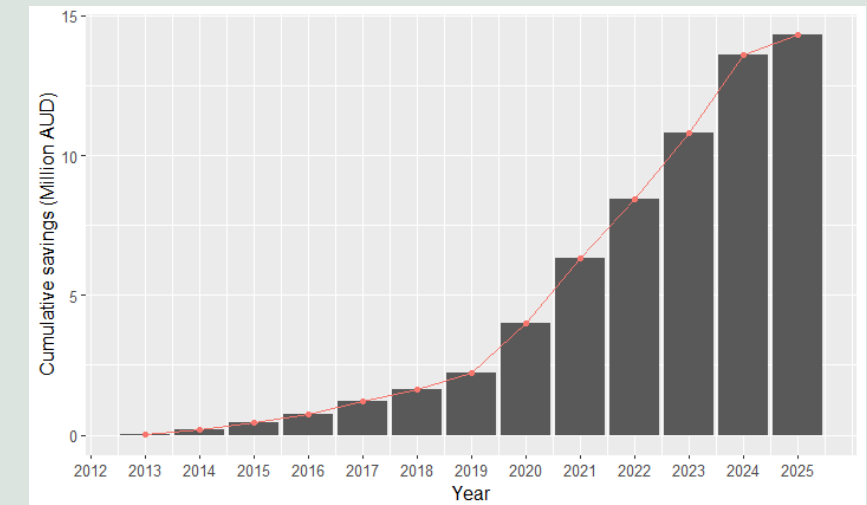
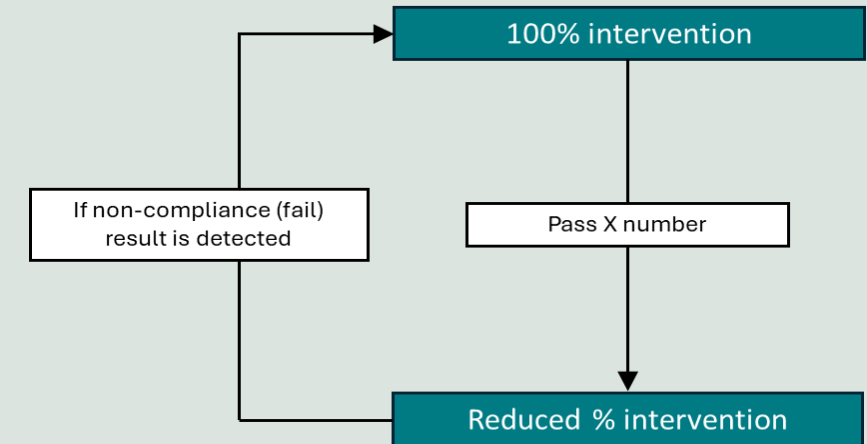
Good Practices in Border Inspection and Quarantine

- *Multiple layers of biosecurity,*
- *Public awareness/Education, social media,*
- *Reporting/intelligence, hotlines*
- *Implementation of ID check/verification for D n C*



Good Practices in Border Inspection and Quarantine CBIS

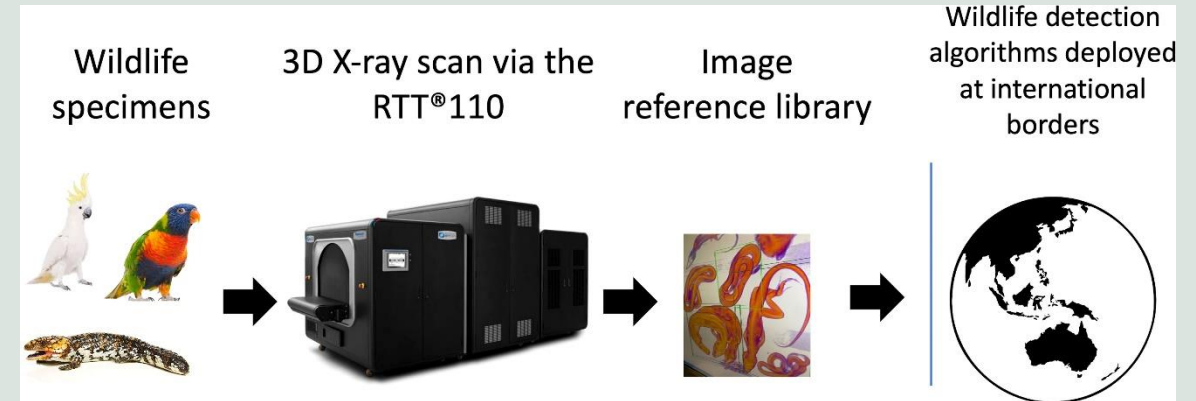
- Compliance-Based Intervention Scheme (CBIS)
 - Risk-based intervention at the border
 - Historical trade data and statistical modelling
 - Continuous sampling plan (CSP) model (Dodge 1943)
- Since introduction, CBIS has saved
 - almost 85,000 lines from higher intervention
 - \$14.3 million (\$9m USD) savings for importers
 - 65,000 operational hours for our staff.



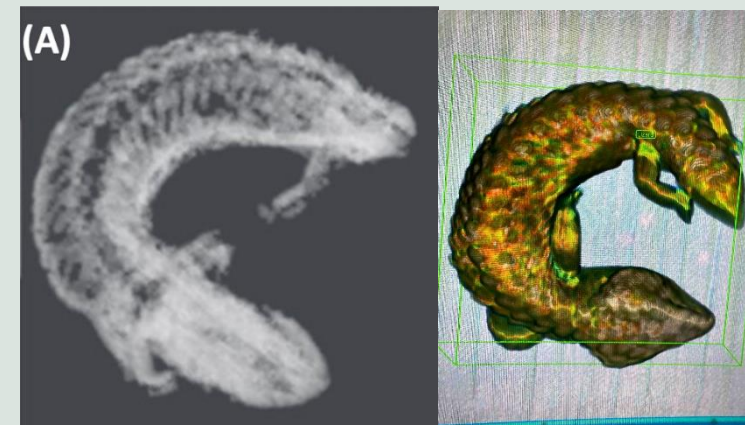
Good Practices in Border Inspection and Quarantine

Implentation of 3D X-ray

- Paper published in 2022 ‘Detecting illegal wildlife trafficking via real time tomography 3D x-ray imaging and automated algorithms’
- 3D X-ray scanners located at airports and mail centres
- Detection rate is improved 2-3 times
- Working with the NZ government to improve the technology and processes



Images: <https://www.frontiersin.org/journals/conservation-science/articles/10.3389/fcosc.2022.757950/full>



Challenges and risks identified



- Illegal movement of animals
- Legal movement with:
 - Fraudulent documentation
 - Changes in volume of trade
 - Changes in the way animals are transported (in cabin travel)
 - Lack of definition for assistance animals
 - Increases in assistance animals

Case study: showing challenges addressed through collaboration

- Operation Cascade
 - DAFF
 - Department of Climate Change, Energy, the Environment and Water
 - Australian Border Force
 - State government agencies in Victoria, Queensland and Western Australia
- Package was misclassified as 'toys'
- Officers detected snakes, iguanas, soft shell turtles and tarantulas, many of them dead
- Recent 9-month prison sentence related to this detection



Case study: showing challenges addressed through collaboration

- Need to target imports and exports
- Technology, international collaborations and more compliance resources needed
- More than 200 export seizures at Australia's borders and 18 arrests in the 18 months until December last year.
- In 2024 a man was sentenced to 3 years 6 months in jail, with a 2-year non-parole period, for attempting to export Australian reptiles
- Collaboration between Department of Climate Change, Energy, the Environment and Water; Australia Post, Police; Department of Home Affairs and Australian Border Force



Thank you

