



Australian Government
Department of Agriculture,
Fisheries and Forestry



Catalysing Australia's Biosecurity

Working together to transform
Australia's biosecurity.

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Today's
presentation

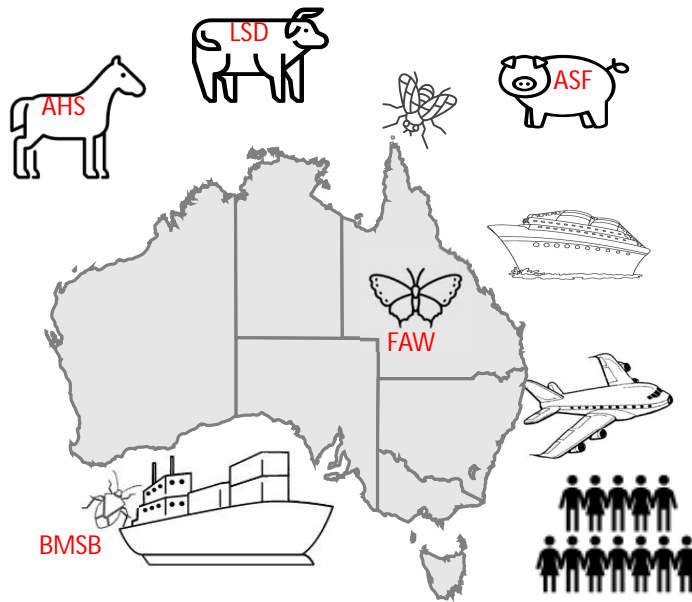


Australia's evolving biosecurity system

PAST



PRESENT










FUTURE



Business as usual won't be enough

If no action is taken...

Scaling current approach won't meet growing risk

Expertise and infrastructure capability 	Declining and stretched
 System focus	Response and recovery
Data sharing 	Low and slow
 Community and stakeholder engagement	Under-engaged, one-way
International market access 	Vulnerable to non-tariff trade barriers
 Technology development	Unaligned and fragmented
Rate of change 	Slow and incremental

Tripling investment will still result in increased residual risk

Transformational biosecurity strategy



<https://www.agriculture.gov.au/biosecurity-trade/policy/partnerships/nbc>

Catalysing Australia's Biosecurity (CAB)

- A joint biosecurity research, development and innovation program between CSIRO and DAFF.
- Draft goal: to *improve long-term national biosecurity outcomes by delivering innovative technologies, digital systems and capabilities that transform performance by 2030.*

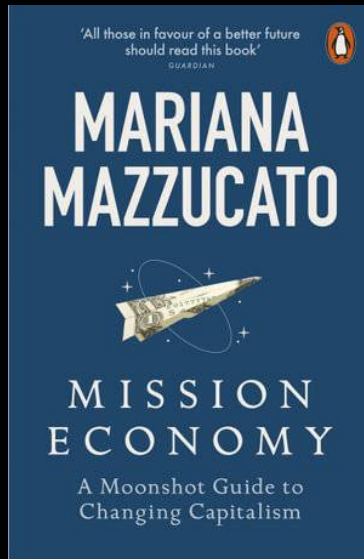


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CSIRO's Missions program



Taking inspiration from 'moonshots', Missions successfully coordinate public and private sectors on a massive scale.

We're calling for the same boldness to be applied to the biggest challenges of our time.

CAB's guiding principles

- Drive long-term improvements
- Attract wide-ranging partners
- Deliver against agreed stretch Outcomes and Priority Focal Areas
- Support rapid and strategic response to biosecurity threats
- Deliver technologies and approaches that assist industry and communities



Delivered through partnerships

- DAFF science capability
e.g. ABARES
- Research partners
e.g. CEBRA and GRDC
- Industry partners
e.g. PHA, AHA, CISS, PBRI, RDCs
- Biosecurity SMEs
e.g. ExoFlare, Onside



What could we achieve?

- Transformational science to support *Commonwealth Biosecurity 2030* & *National Biosecurity Strategy*
- Novel technological solutions & improvements through an innovation-led co-design/co-development model
- Identify & address impediments to technology translation
- Speeding up technology application and adoption
- Support & grow national biosecurity innovation investment
- Value propositions to attract private sector investment
- Support new technologies & approaches for Indigenous Australians



CAB's Priority Focal Areas

1. Detection and diagnostics technologies and platforms
2. Intelligence gathering platforms
3. Intervention technologies
4. Decision support systems and modelling platforms
5. Social economic governance platforms
6. Performance assurance mechanisms



Where we are up to...

Currently entering Planning



Proposal

- Agreement to develop
- CAB Operating model & governance ToRs
- Co-design team established
- Agreement on Priority Focal Areas

Concept

- Governance committee established
- Co-design of management and operational processes
- Impact & Stakeholder mapping
- Initial business plan for market validation
- Innovation plan
- Co-development of Outcomes, Working groups and work packages

Planning

- Co-funding model established
- **External engagement seeking partnerships with government, industry & community**
- Secure broad internal co-investment
- Secure external financial commitments
- Provide evidence of ability to scale
- Consolidate international strategy

Seek launch approval

Consultation and formal approval processes to prepare for CAB launch with partners

Launch / Implementation

- Public launch
- Commissioning initial joint investments
- Formalizing foundational partnerships with research and industry
- Co-development of additional investments with industry partners

CAB working groups



First four groups:

1. Surveillance
2. Taxonomy
3. Diagnostics
4. Data systems for co-designed solutions

Surveillance

Optimal cost-effective general surveillance system for all agricultural production and environmental systems.






Taxonomy

- Taxonomy utilises and adapts to all available methods
- Taxonomy is mobilised to support science and biosecurity needs, and is accessible to non-experts
- Species identification is assured, leading to fast and consistent decision-making

A decorative image on the left side of the slide showing a branch with several green leaves and a single yellow flower. The branch is dark brown and extends from the top left towards the bottom right.

Diagnostics

A system in which appropriate people are confidently and competently using reliable and validated detection and diagnostic technologies.

An abstract graphic in the top right corner consisting of numerous thin, teal-colored lines that fan out from a point on the right and curve downwards and to the left. At the bottom of these lines are several small, teal-colored dots, some of which are arranged in a faint, curved path.

Data systems for co-designed solutions

An integrated, secure and trusted data-driven and tech-enabled biosecurity system.



Next steps

Online survey and face-to-face workshops to:

- Understand stakeholders' biosecurity priorities
- Gather feedback on plans
- Facilitate external input
- Mobilise interest from partners



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Thank you

If you have any questions or would like to be involved, get in touch via CatalysingAustraliasBiosecurity@agriculture.gov.au
