

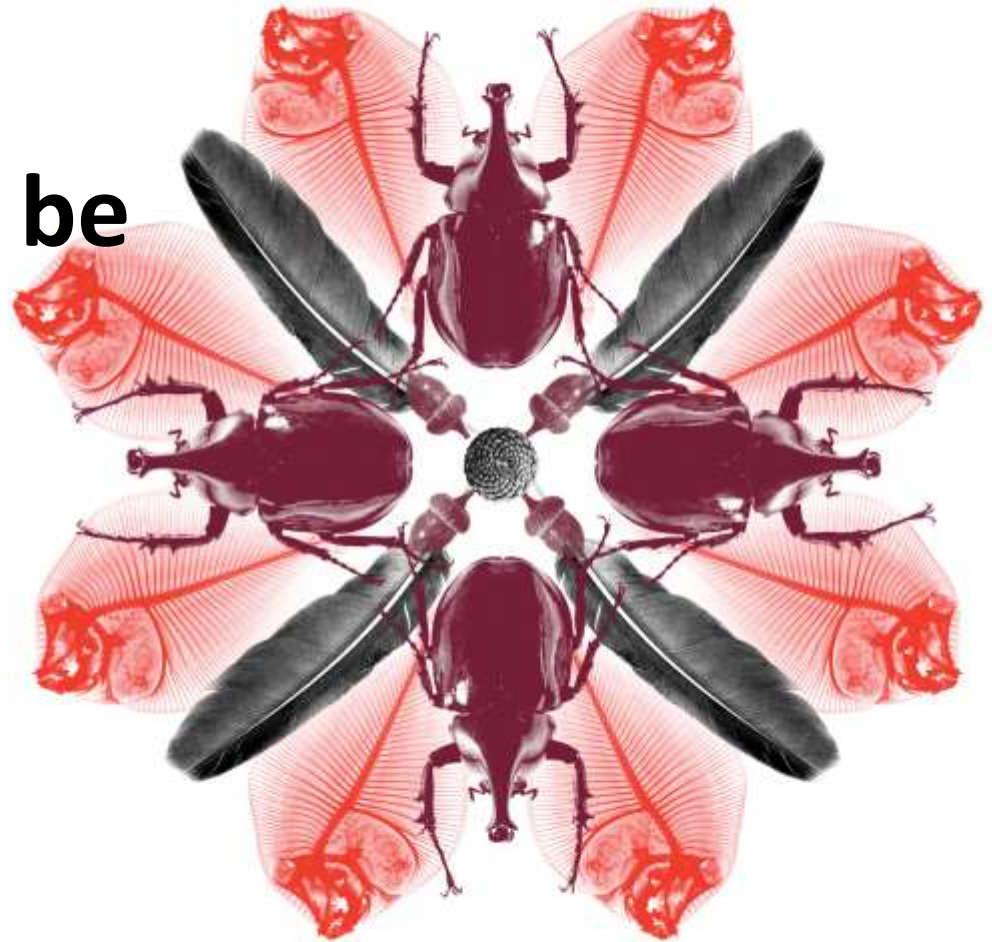


Australian Government

Department of Agriculture, Fisheries and Forestry

# If panic there must be, let it be organised!

Biosecurity data  
standards for national  
reporting in emergency  
response and  
surveillance



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# Synopsis

- Onshore biosecurity
- Information sharing
- **Data standards for national reporting**
- Product development cycle
- Future state

# Onshore biosecurity: Lots of stakeholders!

- Cross sectoral
  - Animal disease
  - Plant pests
  - Marine, aquatic, environmental, wildlife health, vertebrate pests, weeds...
- Emergency response / routine surveillance
- Jurisdictions: operations (mostly)
- Commonwealth (DAFF): co-ord & reporting

# Information sharing

- Previous system: BioSIRT
  - One information system. Spanned local field operations to national reporting
  - Standards **implied** by common platform
  - ‘Parallelism’ with other strands of influence
- Network of practitioners and decision makers
  - Technical & semantic approaches to standards
- Well placed to respond to IGAB...

# IGAB

- **InterGovernmental Agreement on Biosecurity**
  - Agreement between Commonwealth, states & territories (except Tas)
    - Commenced January 2012
  - AIM: to strengthen national biosecurity system
  - Schedule 3: National Biosecurity Information Framework
    - “Establish & utilise common standards across jurisdictions for data collection & ... reporting to meet national needs”

# Data standards for national reporting

- Jurisdictions maintain their own systems
- DAFF focus is on national reporting
- Project team develops metadata standards
  - Data Set Specifications (DSS)
  - National Minimum Data Sets (NDMS)
  - ISO/IEC 11179
    - [meteor.aihw.gov.au](http://meteor.aihw.gov.au)
    - Aust. Institute of Health & Welfare

# Product development cycle

- National agreement for plan
  - IGAB Sch. 3 Working Group (aka NBIGG)
  - Up the committee chain: NBC -> PISC -> SCoPI
- End users: a **national reporting need**
- Develop **DSS** to specify what should be provided by originating agencies
  - Technical & Semantic (business rules)
- Road-test with simple desktop exercise
- **NBIGG** endorsement: DSS becomes **NMDS**

# Future state

- Suite of data sets
  - Situation reports; animal, plant, marine etc
  - Property-scale info : mapping
  - Plant/animal scale: epidemiology/spread modelling
  - Standards as enablers of consistency & clarity
- Deployment in data warehouse (a databarn!)
  - Integration with spatial data sets
  - Part of larger data-driven strategy



# Thankyou

- Thankyou for your attention
- Any questions?
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