

Integrating Statistical and Geospatial Information

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47th Session of Statistical Commission side event - Geospatial Information and Earth Observations: Supporting Official Statistics in Monitoring the SDGs















ABS mission





UNLEASHING THE POWER OF STATISTICS FOR A BETTER AUSTRALIA

TRANSFORMING FOR THE FUTURE

WHILE CONTINUING TO DELIVER HIGH QUALITY OFFICIAL STATISTICS

STRENGTHEN OUR PARTNERSHIPS

DRIVE HIGH PERFORMANCE



ABS transforming for the future



ENVIRONMENT

We collaborate
with stakeholders
to understand and
respond better to the
current and future
external environment

STRATEGY

Our strategies enable rigorous statistics, strong partnerships, and effective use of resources

GOVERNANCE

Our governance supports responsive decision making, prioritisation and management of enterprise risk

TRANSFORMATION GOALS

INFRASTRUCTURE

Our infrastructure is effective, efficient and adaptable

CULTURE

We are high performing, aligned, engaged, innovative and accountable

PEOPLE

We have a diverse, expert, motivated and agile workforce



ABS Engagement Plan



We seek to understand the current and future policy landscape. We listen to our stakeholders to understand their pressures, priorities and pain points. We invite input into our work program to ensure we remain responsive.

OUTCOME: SHARED

VISION



We work together with partners on purposeful ways to inform understanding and action on complex issues and improve Australia's statistical system.

OUTCOME: SHARED SOLUTIONS

We commit to ongoing open relationships. We care about our partners and seek to develop an environment ripe for innovation. We recognise that others play a significant role in Australia's statistical system.

OUTCOME: SHARED

BENEFIT













International Partnership

- Geospatial and Statistical



UN Economic and Social Council (ECOSOC)

UN Statistical Commission (UNSC)

 ABS International Geospatial Program Review – proposed a global framework UN Committee of Experts on Global Geospatial Information Management (UN-GGIM)

List of nine issues included 'linking of spatial to statistics'

UN Expert Group – Integration of Statistical Geospatial Information













ABS and Geoscience Australia



- ABS is building a partnership with Geoscience Australia
 - leveraging both organisations investments and capabilities.
 - Cooperative international representation
 - Sharing transformation experiences
 - Collaboration on projects
 - Foundation Spatial Data Framework
 - Earth observation data collaboration project













Australian Foundation Spatial Data Framework





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ABS and Geoscience Australia



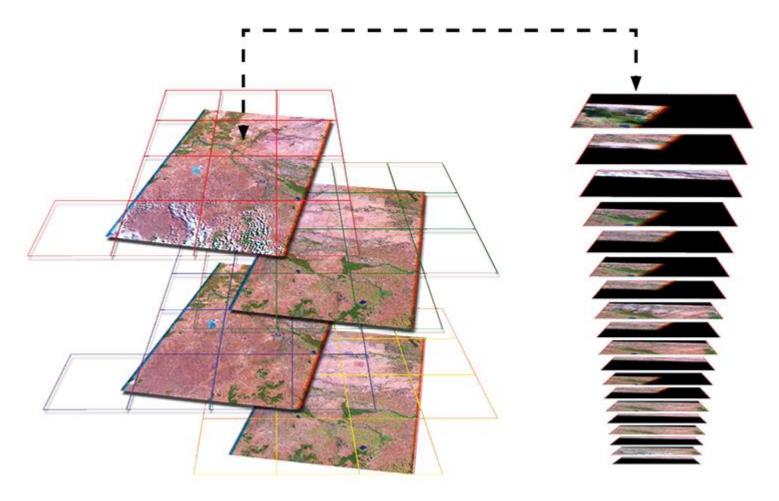


- Collaboration using Earth observation data
 - Specifically as a collaboration project
 - Leveraging national investments:
 - National computing infrastructure
 - Geoscience Data Cube
 - Official statistics
 - Develop new products for agricultural and environmental statistical programs.
 - Bridge gap between geospatial and statistical experts



Australian Geoscience Data Cube

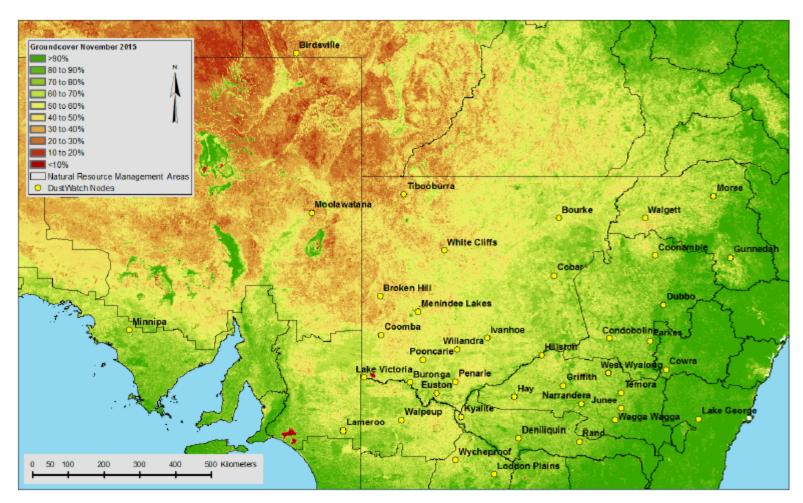
- Geoscience Australia



Source: Geoscience Australia



Groundcover from MODIS



DustWatch Australia (©)







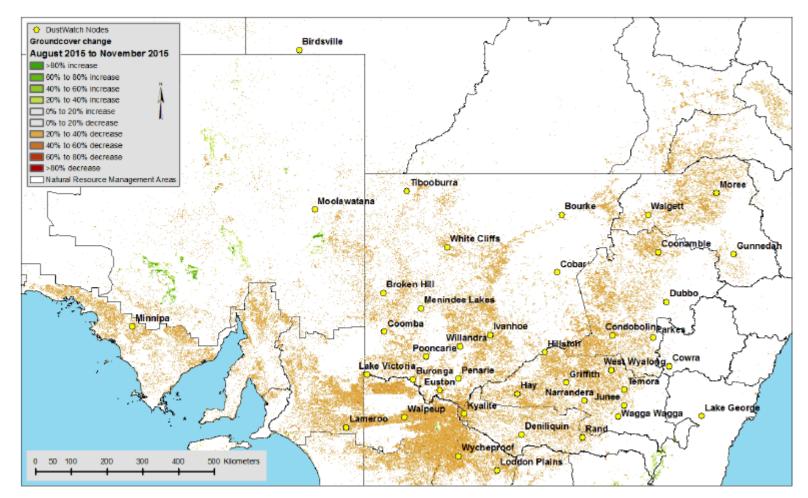






Groundcover change from MODIS





DustWatch Australia (©)









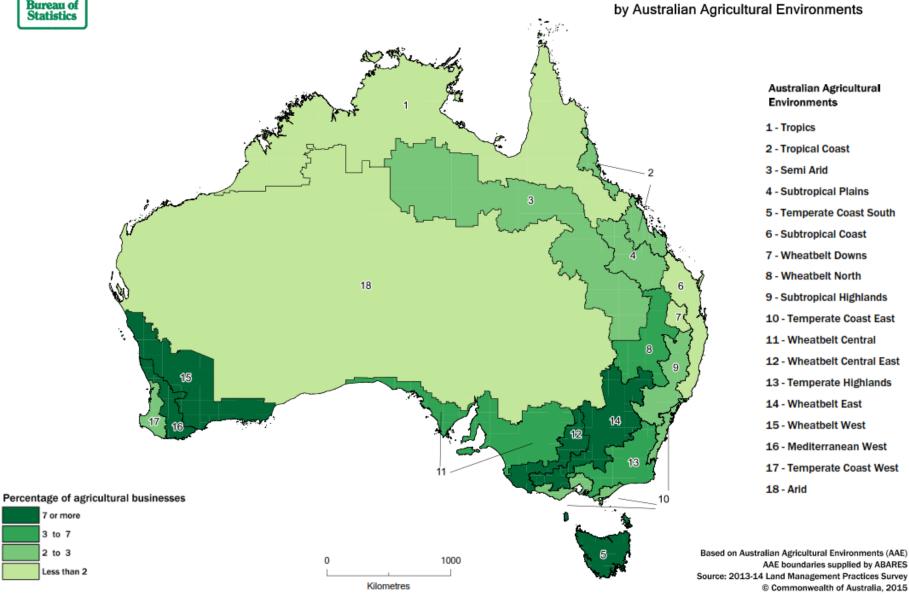


Bureau of Statistics

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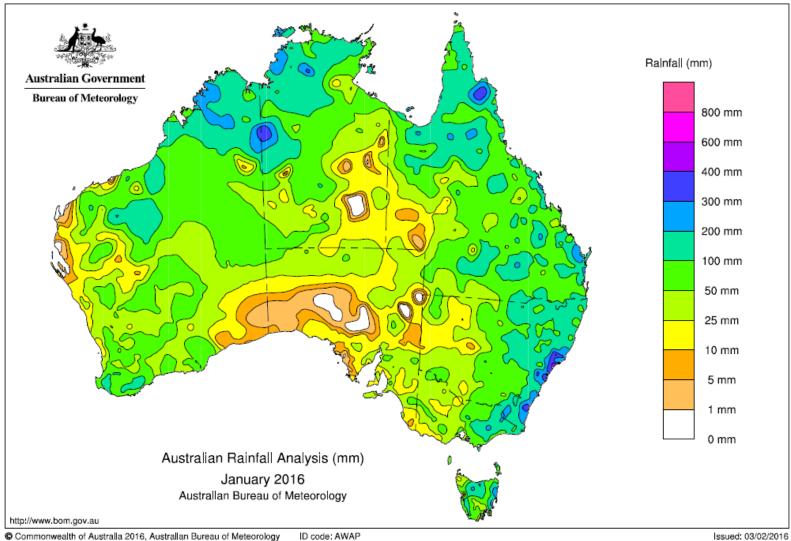
Percent of agricultural businesses converting pasture to crop land, 2013-14







Australian Rainfall

















Location is the link



- Integration of data provides a far richer picture for decision makers
- Allows use of a much wider range of existing data sources in analysis
- Location is an enabler for integrating data and making place based decisions





