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

**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

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

**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

HOW DO WE DO IT?

1. UNDERSTAND

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

2. NURTURE

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

3. COLLABORATE

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
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 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

Geocoded Addressing
Administrative Boundaries
Positioning
Place Names
Land Parcel and Property

Imagery
Transport
Water
Elevation and Depth
Land Cover

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• 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
• 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