Geospatial insights and innovations: The Digital Atlas of Australia in action

Holly Jane Badior (Australia)

Key words: Capacity building; Geoinformation/GI; Mine surveying; Standards

SUMMARY

The Digital Atlas of Australia is a groundbreaking initiative in the geospatial landscape. Delivered by Geoscience Australian on behalf of the Australian Government, the platform fosters seamless data sharing, integration, and innovation. This series of lightning talks will feature partners across various sectors, highlighting how they are contributing to and using the Digital Atlas. ☐☐Industry supplier, Onneer, will discusses their role working with government to deliver scalable services for this multi-phase project. This includes providing expertise and technology delivery while supporting the enhancement of geospatial capabilities to advance Australia's geospatial resources. The discussion covers how data in the Digital Atlas is connected, published, maintained, and how the performance of data services is validated to support Digital Atlas functionalities. ☐☐The Esri Australia team will show you how to access and use Digital Atlas content with Microsoft Fabric to conduct large-scale analyses and explore how easily content in the Digital Atlas can be discovered and accessed through various ArcGIS client interfaces. ☐☐Explore the many web services available from the Australian Bureau of Statistics in the Digital Atlas, from Census data and population projections to Data by Region and Agriculture statistics Learn about how these web services enhance data accessibility and usability to unlock the power of integrated statistical data in spatial analysis. ☐☐The Department of Social Services will demonstrate how they are using the Digital Atlas to break down data silos and make socio-economic information more accessible for better informed place-based policies. With reliable and actionable data, policymakers gain insights into communities to uncover underlying drivers of disadvantage and enable tailored, targeted, place-based policies. ☐☐Discover how the Digital Atlas is helping Geoscience Australia visualise potential for critical minerals, providing decision-makers with valuable insights through comprehensive spatial data and engaging story maps. Dive into our rare earth elements case study including a StoryMap that connects various data sources to provide a journey showing how Geoscience Australia delivers holistic geological understanding. ☐☐Finally, with the AI CoLab

Geospatial insights and innovations: The Digital Atlas of Australia in action (13216)
Holly Jane Badior (Australia)

FIG Working Week 2025
Collaboration, Innovation and Resilience: Championing a Digital Generation
Brisbane, Australia, 6–10 April 2025

team explore how generative AI is revolutionise access to Geographic Information Systems. Learn how AI techniques democratise access to geospatial information, making it more user-friendly for better informed decisions. Megan McCabe – Director, Digital Atlas of Australia Delivery, Geoscience Australia Ben Berghauser – Managing Director, Onneer Angus von Prott - Senior Consulting GIS Analyst – Data Services, Onneer Yvette Maree - Senior Consulting GIS Analyst – Geospatial Products, Onneer Simon Jackson - Technology Strategist, Esri Australia TBC – Australian Bureau of Statistics Danielle Aeuckens - Branch Manager, Performance and Evaluation Branch, Department of Social Services Steph Hawkins - Geoscience Data Analyst, Geoscience Australia Paul Hubbard – Co-Head, AI CoLab

Geospatial insights and innovations: The Digital Atlas of Australia in action (13216)
Holly Jane Badior (Australia)

FIG Working Week 2025
Collaboration, Innovation and Resilience: Championing a Digital Generation
Brisbane, Australia, 6–10 April 2025