



This forum will showcase the range of pre-competitive geoscience projects currently underway by Geoscience Australia and its collaborative partners under the UNCOVER themes. Following the success of a similar half day forum two years ago, this showcase has been extended to a full day to allow for more substantive talks and an emphasis on new projects arising out of the Australian Government's four year \$100M Exploring for the Future program which commenced in 2016.

Forum themes:

- Cover and what lies beneath—character and thickness
- 3D architecture—mapping the framework for mineral systems
- 4D geodynamics and mineral systems of Australia
- Mineral system footprints and toolkits for explorers

Tuesday 12 December	Time
Registration (tea and coffee)	8.30–9.00
Minerals @ GA introduction and overview	9.00–9.30
Theme 1: Cover and what lies beneath—character & thickness	
From points to surfaces and the geology beneath: applying the uncover ML machine learning algorithms for cover mapping	9.30–10.00
AusAEM: a new national airborne electromagnetic map for cover-thickness mapping	10.00–10.30
Benchmarking pre-drill geophysics: tests, inversions, the good and the bad	10.30–11.00
Morning Tea	11.00–11.30
Theme 2: 3D architecture—mapping the framework for mineral systems	
Geoscience meaning from magnetotellurics: integration of multiple geophysical, geochemical and geological datasets	11.30–12.00
Passive and active seismic to map the velocity structure and major boundaries of Australia	12.00–12.30
Lunch	12.30–13.30
Theme 3: 4D geodynamics and mineral systems of Australia	
U-Pb geochronology and stratigraphy of Australia	13.30–14.00
Isotopic tracers (Nd, Pb, Hf, Ar) to map mineral systems components and fertility	14.00–14.30
Mineral system mapping: predicting the next camp	14.30–15.00
Afternoon tea	15.00–15.30
Theme 4: Mineral system footprints and toolkits for explorers	
Geoscience Australia's regional drilling projects and the National Drilling Initiative	15.30–16.00
Panel session, discussion and feedback	16.00–17.00
Networking drinks	17.00–18.00

Where: Sir Harold Raggatt Theatre, Geoscience Australia, cnr Hindmarsh Drive & Jerrabomberra Avenue, Symonston, ACT

Register online: at www.ga.gov.au/news-events/conferences/geoscience-australia-minerals-forum

For morning and afternoon tea catering purposes registration closes at **5 pm Friday 8 December 2017**. On the day participants can purchase lunch from the Geoscience Australia Café.

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