# SCIENCE AT Australian Government Geoscience Australia THE SURVEYS Implications for Exploration

# 2010 SEMINAR

Monday 22nd March

10.00 - 3.30 pm

lunch included

Conference Centre

Level 1 – 1 Spring Street

Melbourne



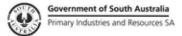






Mineral Resources Tasmania
Deserved of Infrastructure, Every and Resources





Come and hear about the exploration opportunities identified by and arising from the results of pre-competitive geoscience programs and collaborative research by Geoscience Australia and the State Geological Surveys.

## Highlights include:

- Discovery of a new buried sedimentary basin between Mount Isa and Croydon
- Discovery of major deep crustal penetrating structures that control IOCG and other base metal mineralisation in the Eastern Succession of Mount Isa
- Potential of the Thompson Orogen a buried extension of the Lachlan Fold Belt?
- Exploration potential at Mount Isa expanded with new hyperspectral, geophysical and mapping programs
- · 3D regional geological models and maps
- 3D mapping of mineral systems
- Defining favourable horizons for mineralisation in Mt Read Volcanics correlates in central northern Tasmania
- Iron-oxide copper-gold-uranium systems
- Exploration under cover
- · Uranium systems
- · Gold mineral systems
- · Unravelling the geology of the West Musgraves
- New data for the West Arunta

Attendance is free but registration in advance is required. Please register your details on the reverse side of this form.

# Science at the Surveys: Implications for Exploration

PROGRAM		
10.00-10.20	Registration and coffee	
10.20-10.30	Geoscience Australia, Chief Executive Officer.  Welcome	
10.30-11.00	Geoscience Australia, James Johnson.  Exploration implications of Geoscience Australia's \$59 million geoscience initiative.	
11.00–11.30	Geoscience Victoria, Tim Rawling. 3D geological modelling in western Victoria: New insights for gold exploration.	
11.30–12.00	Department of Primary Industries – Mineral Resources New South Wales, John Watkins.  The Thomson Orogen in NSW: A new and emerging Palaeozoic arc-related mineral province with potential for a range of mineral systems similar to the Lachlan Orogen.	
12.00-12.30	Geological Survey or Queensland, Laurie Hutton.  New results from Mount Isa age dating, geophysics, mapping and hyperspectral surveys.	
12.30-1.15	Lunch	
1.15–1.45	<b>Department of Infrastructure, Energy and Resources</b> – <b>Mineral Resources Tasmania,</b> speaker to be confirmed. The TasExplore Project: enhancing prospectivity and refining the 3D model of Tasmania.	
1.45-2.15	Primary Industry South Australia (PIRSA), Geological Survey Branch, Tim Baker. Exploration strategies for IOCG+/-U and related deposits in South Australia.	
2.15-2.45	Geological Survey of Western Australia, Tim Griffin.  Opportunities in Western Australia in an avalanche of information.	
2.45-3.15	Geoscience Australia, Richard Lane. 3D mapping of mineral systems using geophysics, speaker to be confirmed.	
3.15-3.30	Closing Comments	
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Name:	ON	Position:
Name:	ON	
REGISTRATI  Name:  Company:  Address:	Country:	Suburb:

TO REGISTER email susan.wall@ga.gov.au or fax this form to + 61 2 6249 9983

### FOR FURTHER INFORMATION CONTACT:

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