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News

Call for papers – 23rd International Geophysical Conference and Exhibition

The Conference Organising Committee is now inviting expressions of interest for papers to be delivered at the next ASEG Conference and Exhibition.

As in the case of the very successful Brisbane conference in 2012, this conference will feature a series of keynote talks (30 or 60 minutes), oral presentations (30 minutes including questions) and poster presentations.

The Conference themes are chosen to cover the wide range of applied geophysics topics in mineral exploration, mine-site studies, petroleum exploration and alternative energy sources, and engineering–environmental applications.

Enabling technologies with application to multiple areas of endeavour are especially encouraged.

ASEG Conferences have a high reputation for delivering excellent case-history material to the industry. Quality case histories will be welcomed and as noted below become part of the permanent online database of geophysical literature.

Keynote talks are selected either by invitation or submission; authors with an interest in presenting highly topical leading-edge material are invited to contact the Technical Program Chairman Michael Asten (michael.asten@monash.edu)

Minerals Stream	Transition Stream	Petroleum Stream
Mineral Exploration – Case Histories Regional Studies Deep Exploration Mining Geophysics Hard-rock seismic Methods Electrical and EM Methods AEM Modelling Geophysical Inversion Potential Fields – constrained geological inversion Data visualization and joint inversion Borehole Geophysics and Rock Physics	Coal Geophysics – Case Histories Unconventionals (Coal Seam Gas, Shale Gas, CO_2) Geothermal energy Environmental and Engineering Geophysics Groundwater and contamination mapping Geohazard and Geophysics	Seismic Interpretation - Case Histories Seismic Acquisition 4D Seismic Seismic Processing Imaging Attributes and Seismic Inversion Visualization methods Rock Physics Seismic velocities and applications Anisotropy CSEM

Dates to remember	
Deadline for Expressions of Interest to Submit	7 December 2012
Extended Abstract Deadline	15 February 2013
Author Notification of Acceptance for oral or poster presentation	22 March 2013
Author Registration (Early Bird Registration Closure)	12 April 2013
Conference Start	12 August 2013

Themes for submission

Authors can select up to three of the following themes that relate to their submission.

The submission process

Submission of papers is a two-step process:

Authors are required to submit a brief expression of interest (up to 300 words) of their intended paper using the form on the conference website: www.aseg-pesa2013.com.au.

Authors whose papers are accepted will be required to submit an Extended Abstract (typically 4–8 pages). These Extended Abstracts become part of the permanent geophysical literature accessible from the ASEG and the SEG websites.

Invitation to sponsors and exhibitors

The conference will bring together a mix of domestic and international delegates from industry, government and education. As a Sponsor and/or Exhibitor, companies will have unique access to the marketing and publicity opportunities associated with Australasia's premier exploration geophysics conference.

The Sponsorship and Exhibition prospectus will be released shortly and we encourage potential exhibitors and sponsors to uncover (discover) their own 'Eureka moment'.

Suzanne Haydon
Publicity Subcommittee Chairman

Update on Geophysical Survey Progress from the Geological Surveys of Queensland, Western Australia, Northern Territory and New South Wales (information current at 14 September 2012)

Tables 1 and 2 shows the continuing acquisition by the States, the Northern Territory and Geoscience Australia of the airborne magnetic and radiometric data of the Australian continent. Figure 1 shows the survey boundary for the Marree airborne magnetic and radiometric surveys. All surveys are being managed by Geoscience Australia (GA).

Table 1. Airborne magnetic and radiometric surveys

Survey name	Client	Contractor	Start flying	Line (km)	Spacing AGL Dir	Area (km^2)	End flying	Final data to GA	Locality diagram (*Preview*)	GADDS release
Grafton – Tenterfield	GSNSW	GPX	16 Jun 11	100 000	250 m 60 m E–W	23 000	100% complete @ 6 Nov 11	TBA	151 – Apr 11 p16	QA/QC of final data in progress
West Kimberley	GSWA	Aeroquest	29 Jun 11	134 000	800 m 60 m N–S Charnley: 200 m 50 m N–S	42 000	100.0% complete @ 11 Dec 11	TBA	150 – Feb 11 p20	QA/QC of final data in progress
Perth Basin North (Perth Basin 1)	GSWA	Fugro	11 Jun 11	96 000	400 m 60 m E–W	30 000	100% complete @ 18 Dec 11	TBA	150 – Feb 11 p20	Data released via GADDS on 2 August 2012
Perth Basin South (Perth Basin 2)	GSWA	Fugro	22 Mar 11	88 000	400 m 60 m E–W	27 500	100% complete @ 23 Dec 11	TBA	150 – Feb 11 p20	QA/QC of final data in progress
Murgoo (Murchison 1)	GSWA	Thomson	28 Feb 11	128 000	200 m 50 m E–W	21 250	100% complete @ 16 Nov 11	TBA	150 – Feb 11 p20	Data released via GADDS on 2 August 2012
South Pilbara	GSWA	GPX	14 May 12	136 000	400 m 60 m N–S	42 500	53.5% complete @ 9 Sep 12	TBA	150 – Feb 11 p21	TBA
Carnarvon Basin South (Carnarvon Basin 2)	GSWA	GPX	TBA	128 000	400 m 60 m E–W	40 000	TBA	TBA	150 – Feb 11 p21	QA/QC of final data in progress
Cape Leeuwin – Collie (South West 3)	GSWA	Fugro	25 Mar 11	105 000	200/400 m 50/60m E–W	25 000	100% complete @ 23 Dec 11	TBA	150 – Feb 11 p22	Data from the Collie area released via GADDS on 6 September 2012. Data processing for Cape Leeuwin is ongoing
Mt Barker (South West 4)	GSWA	GPX	24 Apr 11	120 000	200 m 50 m N–S	20 000	73.% complete @ 9 Sep 12	TBA	150 – Feb 11 p22	TBA
Galilee	GSQ	Aeroquest	11 Aug 11	125 959	400 m 80 m E–W	44 530	100% complete @ 10 Jun 12	TBA	151 – Apr 11 p15	TBA
Thomson West	GSQ	Thomson	14 May 11	146 000	400 m 80 m E–W	52 170	100% complete @ 20 May 12	TBA	151 – Apr 11 p15	TBA
Thomson East	GSQ	Thomson	14 May 11	131 100	400 m 80 m E–W	46 730	100% complete @ 20 May 12	TBA	151 – Apr 11 p16	TBA
Thomson Extension	GSQ	Aeroquest	22 Jun 11	47 777	400 m 80 m E–W	16 400	100% complete @ 10 Aug 11	TBA	151 – Apr 11 p16	TBA

Table 1. *Continued*

Survey name	Client	Contractor	Start flying	Line (km)	Spacing AGL Dir	Area (km²)	End flying	Final data to GA	Locality diagram (*Preview*)	GADDS release
Thomson North	GSQ	Thomson	11 Mar 12	21 900	400 m 80 m E–W	7543	100% complete @ 20 May 12	TBA	157 – Apr 12 p32	TBA
Marree	GSSA	UTS	Est. 6 Oct 12	131 090	400 m 80 m N–S	46 169	TBA	TBA	This issue	TBA

TBA, to be advised.

Table 2. Gravity surveys

Survey name	Client	Project management	Contractor	Start survey	No. of stations	Station spacing (km)	Area (km²)	End survey	Final data to GA	Locality diagram (*Preview*)	GADDS release
East Amadeus	NTGS	GA	Atlas Geophysics	26 May 12	7560	4 km regular with infill at 2 km and 1 km	101 090	TBA	TBA	158 – Jun 12 p22	TBA
Esperance	GSWA	GA	TBA	TBA	TBA	2.5 km and 1 km along roads/ tracks	TBA	TBA	TBA	158 – Jun 12 p23	TBA
West Murchison	GSWA	GA	Atlas Geophysics	2 Sep 12	11 897	2.5 km	TBA	TBA	TBA	158 – Jun 12 p22	TBA

TBA, to be advised.

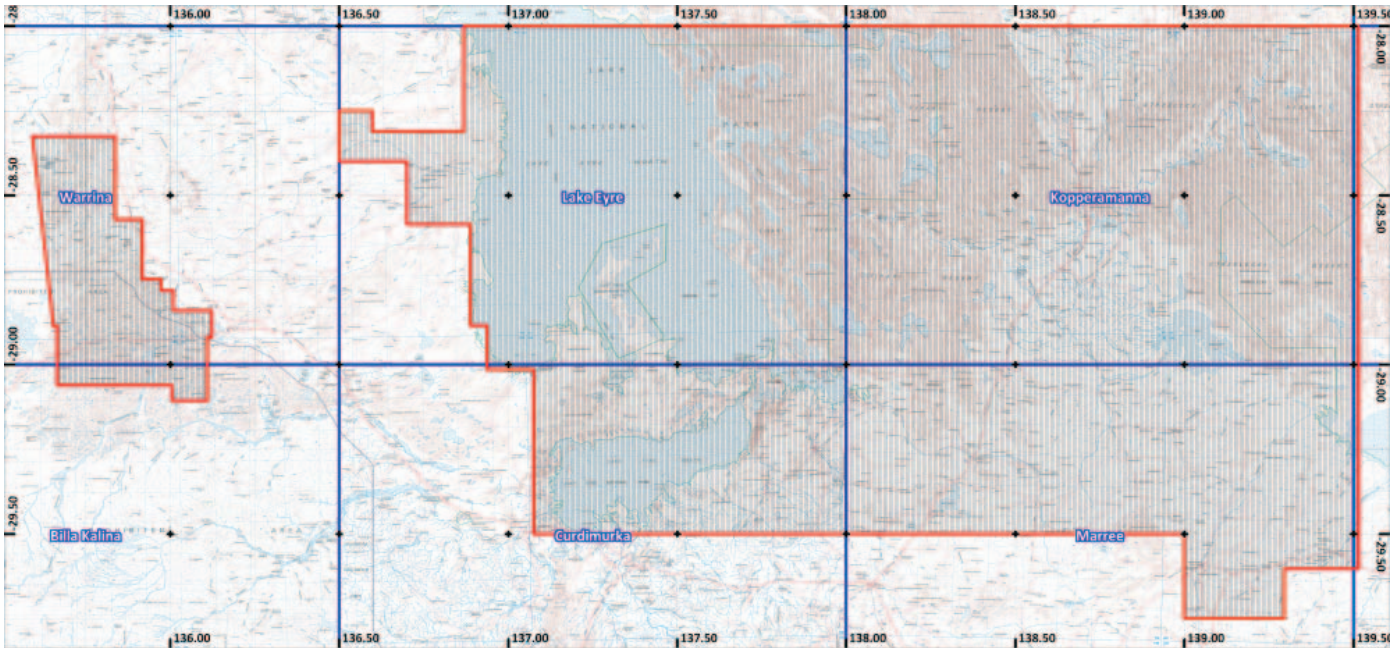

Fig. 1. *Marree airborne magnetic and radiometric survey locality diagram © Commonwealth of Australia (Geoscience Australia) 2008* NATMAP Digital Maps 2008.