



W2: Cover thickness estimate using geophysical inversion methods

Coordinator(s) Marina Costelloe

Date(s) Sun, Sep 01 & Mon, Sep 02

Time 08:45 - 16:45

Location Crown Perth

Summary This workshop is to provide an overview of three geophysical techniques (AEM, magnetotelluric (MT) and passive seismic), and hands-on experience in applying robust inversion tools to estimate cover thickness. The examples worked through during the workshop can be used by the participants as a basis to invert their own datasets.

Schedule*

<u>Topic</u>	<u>Speaker</u>
Day 1	
Session 1	
Introduction	<i>Alexei Gorbatov</i>
AEM Talk	Yusen Ley-Cooper and Ross Brodie
AEM exercise 1	Yusen Ley-Cooper and Ross Brodie
Session 2	
AEM exercise 2 & 3	Yusen Ley-Cooper and Ross Brodie
Session 3	
MT lecture	<i>Wenping Jiang</i>
MT exercise 1	<i>Wenping Jiang</i>
Session 4	
MT exercise 2 & 3	<i>Wenping Jiang</i>
Day 2	
Session 1	
Passive seismic lecture	<i>Alexei Gorbatov</i>
Passive seismic exercise 1	<i>Alexei Gorbatov</i>
Session 2	
Passive seismic exercise 2	<i>Alexei Gorbatov</i>
Session 3 & 4	
Free time/practice	

Terms and conditions

* Schedule subject to change

Workshops will proceed only if minimum numbers are reached, should a workshop be cancelled that you have paid and registered for, you will be notified and refunded the full amount. Should you wish to cancel a workshop, standard registration cancellation policy applies. Please refer to the AEGC conference website for registration cancellation policy and for further details on registration information <https://2019.aegc.com.au/>