



### W14: Drill Core Data Exploration and Integration

<b>Coordinator(s)</b>	June Hill
<b>Date(s)</b>	Mon, Sep 02
<b>Time</b>	08:45 - 16:45
<b>Location</b>	Crown Perth
<b>Summary</b>	Mineral exploration using drilling is undergoing a digital revolution with new instrumentation providing large volumes of data. In this hands-on course we demonstrate methods to get more value from hyperspectral, XRF and other numerical drill hole data.

<b>Schedule*</b>	
<u>Topic</u>	<u>Speaker</u>
<b><u>Session 1</u></b>	
<ul style="list-style-type: none"><li>Automated multivariate geology logging from numerical data using a multiscale approach.</li></ul>	<i>June Hill (CSIRO)</i>
<ul style="list-style-type: none"><li>Introduction to the Data Mosaic web app for multiscale domaining of drill holes and application of classification including machine learning to the domains.</li></ul>	
<b><u>Session 2</u></b>	
<ul style="list-style-type: none"><li>Analysing hyperspectral data (VNIR-SWIR-TIR) using The Spectral Geologist software, including basic mineral spectroscopy theory.</li></ul>	<i>Carsten Laukamp (CSIRO)</i>
<ul style="list-style-type: none"><li>Introduction to AuScope's Discovery Portal and the National Virtual Core Library.</li></ul>	

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#### 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/>