

# Interactive Geochemical Data Interpretation

## *“The Fallacy of Deep”*

IMEx Consulting is conducting a one day Exploration  
Geochemistry workshop

**Wednesday 6<sup>th</sup> June 2018**

at the Orange City Bowling Club, Blue Room  
61-89 Warrendine Street, Orange

All participants will need to provide a computer & have ioGAS  
preloaded (Demo version OK).

**Course limited to 10 participants**

For further information contact: Mark Arundell.  
E: [workshop@imex.net.au](mailto:workshop@imex.net.au); Ph: 043 8811004

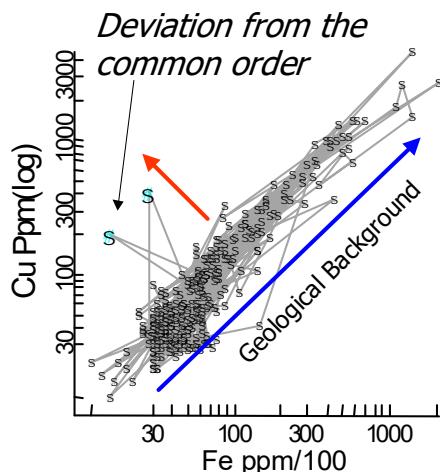
Multi-element analysis of geochemical samples is now common practice in mineral exploration. Voluminous data is being generated but potentially is not fully utilised by project geoscientists.

Traditional anomaly definition of geochemical data has tended to focus on the highest numbers in selected target elements. However, in many circumstances the highest numbers may not be the most significant given the geological context.

Interactive Geochemical Data Interpretation is a more informative technique of viewing and visualising geochemical data. This style of targeting focuses on placing **all** of the geochemical data into a richer geological context.

This is a “hands-on” workshop illustrating and applying these techniques. The workshop is directed to **all** geoscientists who desire to extract more from their data.

Mark Arundell has over 30 years experience in exploration geology and in the use of multi-element geochemistry to find ore deposits.



## REGISTRATION DETAILS

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

I wish to attend the Interactive Geochemical Data Interpretation Workshop.

Payment by Direct Deposit or Company Purchase Order ONLY. Tax Invoice and Direct Deposit details to be sent upon registration.

**FOR CATERING PURPOSES WE WOULD APPRECIATE YOUR PAYMENT BEFORE MONDAY 4<sup>TH</sup> JUNE**

Please note that the course will be limited to **TEN** participants.

If you wish to attend, please register before **Wednesday 30<sup>th</sup> May**:

Phone 0438811004 or [workshop@imex.net.au](mailto:workshop@imex.net.au)

IMEx Consulting, PO Box 1704, Orange, NSW, 2800

# Course Program

This workshop will teach geoscientists alternative and more informative techniques of viewing and visualising their geochemical data. The focus of this style of targeting is placing the whole geochemical data into the geological context.

The principles of the techniques will be fully explained and illustrated using actual exploration examples. An immediate outcome of applying these techniques is fewer, more robust anomalies/targets are generated enhancing exploration efficiency and effectiveness.

This workshop will enable geoscientists to discover new targets in old data!

## Content

The workshop will be a mixture of lectures (theory) and practical sessions/exercises using GIS & ioGAS in a classroom setting.

Timetable is **very, very** flexible and dependent on how long participants want to spend on each exercise.

In the final session, participants are encouraged to work on their own data and Mark will assist with interpretation of the data in a one on one setting.

Participants will receive a USB stick with all presentations and data exercises.

## Schedule

Time (approx.)	Session	Exercise	
08:30 to 08:45		Register, Set Up - Coffee	
08:45 to 09:00		Introduction	
09:00 to 10:30	1	Validation	
	2	How we look at data	Ex 2.1
11:00 to 12:30	3	Alteration & Rock Classification	Data set 3.1
13:15 to 14:00	4	Soil Formation & Soils, Lag, Rock Case Histories	Data sets 4.1, 4.3, 4.6
14:00 to 14:30	5	Streams Case Histories	Data sets 5.1, 5.3, 5.4
15:00 to 16:00	6	Drill Case Histories	Data sets 6.1, 6.2, 6.3
16:00 to 17:00	7	Own data	
17:00 to 18:00		Drinks	
19:00		Dinner – Mr Lim's (Korean)	Optional