



The
Geological
Society

endorsed training course



*Training course endorsed by the
European Federation of Geologists*

Geochemical Interpretation Tools for Exploration and Mining Geologists: Examples from SE Ireland, Finland and Sub-Saharan Africa

Event Date: Monday, 12th November 2018, 10-17.00

Location: Council Room – Linnean Society, Burlington House, W1J 0PG, London.

CPD: This course qualifies for CPD points under the CGeol and EurGeol scheme.

Multi-element trace geochemical surveys are a standard tool in detailed and regional geochemical exploration. Whilst in the past univariate anomaly detection along with a thorough analysis of ore element assemblages were considered routine interpretation workflows, affordable trace element geochemistry now provides the necessary tools to interpret bedrock geology, mineralisation systems and further applications in mining and mineral processing.

Most governmental geological surveys make regional geochemical datasets available which are of invaluable use to exploration geologists. The Tellus SE Ireland dataset will be investigated during this workshop and implications for regional prospectivity discussed.

Participants will be required to bring a laptop and ioGAS software which can be downloaded as a demo version from <http://reflexnow.com/iogas/>.

The workshop aims to introduce the following themes:

1. Geochemistry tools in mining and mineral exploration – examples from Ireland, Finland and Sub-Saharan Africa.
2. Introduction to the Tellus SE Ireland dataset and regional geology
3. Digests, analytical techniques and detection limits
4. Dataset QC and ioGAS workflow overview
5. Univariate anomaly mapping
6. Ore element assemblages and mapping
7. Applications of trace element geochemistry in regional mapping and mineral systems analysis



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About the speaker:

Benedikt Steiner (ARSM CGeol EurGeol FHEA) is the MSc Programme Director of Exploration and Mining Geology at the Camborne School of Mines, UK, & a consultant to the mining industry through his consultancy firm XPLORE GLOBAL Ltd.

Benedikt started his career in regional petroleum exploration in the Eastern FSU, before moving on to work on Rio Tinto Exploration's uranium & copper exploration projects in Southern Africa, developing best practice. More recently, he carried out projects in France, Rwanda, Sierra Leone and Myanmar.

Benedikt has specialist knowledge in interpreting geochemical datasets and integrating the results with other geoscientific data in order to aid exploration targeting.



Registration fees:

- Standard rate: £450
- GSL fellows: £400
- EurGeol title holders: £350
- Students: £70
- Early bird offer: If you register before 20th August 2018, you will receive an additional 10% off the rates listed above.

All prices are as stated and are exclusive of VAT which will be charged at the current rate. Afternoon coffee/tea and biscuits are included.

Registration deadline: 15th October 2018

Minimum number of participants: 5

Cancellation policy:

We appreciate that occasions arise which require participants to cancel the course due to unforeseen circumstances. You may cancel a course booking at any time. The standard course cancellation policy and fees will apply:

- If you cancel your place **more than 4 weeks** before the course, you will receive a **60%** refund.
- If you cancel your place **from 2-4 weeks** before the course, you will receive a **30%** refund.
- If you cancel your place **less than 14 days** before the course, you will receive **no** refund.
- If the minimum number of required participants has not been reached, you will get a full refund of your fees.

Contact:

For enquiries and bookings please contact b.steiner@exeter.ac.uk