

Geochemical Exploration Methods and Analysis of Data



Knowledge, Skills, Networks in Earth and Planetary Science

5-DAY PROFESSIONAL TRAINING COURSE
7-11 September 2026, Abidjan, Côte d'Ivoire



This training course provides an in-depth and practical overview of geochemical techniques applied to mineral exploration. It is designed to strengthen participants' understanding of geochemical processes and to improve the effective use of geochemistry as an exploration tool, from field sampling to data interpretation.

The course is intended for geologists with prior experience in geochemical surveys who wish to refine their technical skills and gain practical insights into exploration geochemistry.

Why Attend

- To strengthen your understanding of geochemistry as a mineral exploration tool.
- To improve the design and effectiveness of geochemical exploration programmes.
- To gain practical insight into real-world exploration challenges.
- To bridge the gap between field data collection and data interpretation.

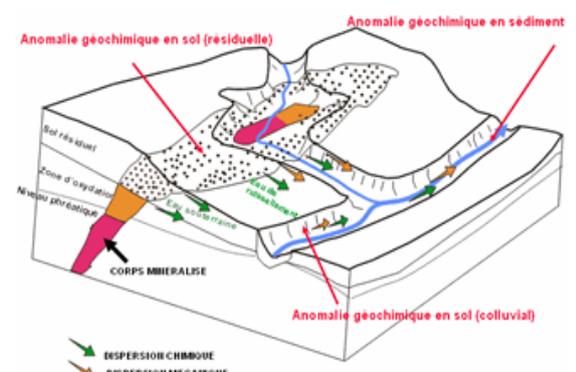
What You Will learn

- How to design and optimise geochemical sampling strategies and grids.
- How geochemical dispersion and weathering affect exploration results.
- Best practices for sample preparation and quality control.
- How to define geochemical background and anomalies.
- How to apply statistical and numerical tools to interpret geochemical datasets.
- How to integrate geochemical results to optimise exploration campaigns.

Hands-On Learning

The course is structured to include four days of classroom-based learning and one day in the field, scheduled midway through the training. This combination provides a balance of theoretical knowledge and practical application.

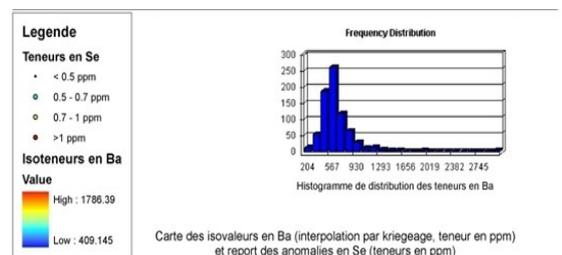
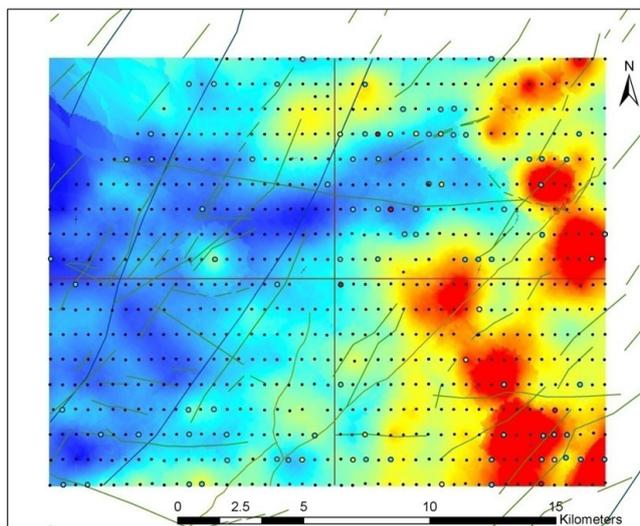
On the final day, participants will engage in practical work using either their own geochemical datasets or provided datasets,



Program

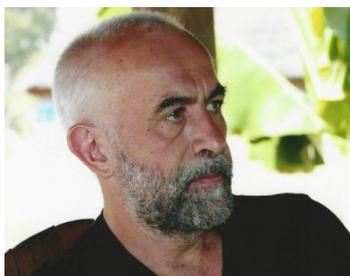
Attendees are invited to bring their own geochemical datasets to put geochemical interpretation into practice and to share both positive and negative experiences in geochemical exploration. Laptops with Excel installed will be appreciated.

Date	Course Elements	Lecturer
Monday 7 Sept 8:30 am to 4:30pm	<ul style="list-style-type: none"> • Geochemical signatures • Geochemical dispersion • Impacts of weathering • Sampling strategies 	Yann Itard
Tuesday 8 Sept 8:30 am to 4:30pm	<ul style="list-style-type: none"> • From sampling to geochemical analysis • Quality control • Numeric tools for the geochemist. 	Yann Itard
Wednesday 9 Sept <i>Departure time and return to be confirmed</i>	Day Field trip <ul style="list-style-type: none"> • What • Where • And how to take representative samples 	Yann Itard
Thursday 10 Sept 8:30 am to 4:30pm	Data Interpretation <ul style="list-style-type: none"> • Geochemical background • Statistical classification • Factorial analysis 	Yann Itard
Friday 11 Sept 8:30 am to 4:30pm	Practical work on attendee's dataset or on given datasets.	Yann Itard



Information

Course leader: Yann Itard



The course will be led by Yann Itard, an independent consultant with over 30 years of experience in geochemical exploration. Yann previously worked for 20 years with the French Geological Survey (BRGM) and has extensive expertise in diverse regions, including Sub-Saharan Africa, tropical and equatorial environments, and countries such as Mali, Burkina Faso, Côte d'Ivoire, Cameroon, and Saudi Arabia.

Date

7-11 September 2026

Duration

5 days

Time

8.30 am to 4.30 pm, except for the field day.

Language

French

Venue

To be confirmed.
Abidjan, Côte d'Ivoire.

To bring

Appropriate clothing for the field excursion.
A laptop with Excel installed (recommended).

Registration Fees

USD 2,450.00 per attendee. The fee includes morning and afternoon tea, lunch, and training materials. Payment must be completed before the start of the training. Any applicable country withholding taxes will be added to ensure the net amount received is USD 2,450.00.

Registration Deadline

1 June 2026 - register using the form on the next page.

Certificate of Participation

Participants will receive their certificate at the end of the training course.

Enquiries

Info@agate-project.org

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7-11 September 2026 - Abidjan, Côte d'Ivoire

Registration deadline 1 June 2026

Please complete this form and email it to: Corinne.Debat@agate-project.org

Company Information

Company

Address

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Entity to invoice

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Administrative Email contact

Participants

Total number of Participants

Attendee Name + email.(first name and surname)

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Attendee Name + email.(first name and surname)

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Attendee Name + email(first name and surname)

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Attendee Name + email(first name and surname)

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Fees and Currency

	US\$	AU\$
Select your preferred invoicing currency		
Base registration Fee	2,450.00	3,450.00

Whithholding Tax if applicable	%

The organisers reserve the right to cancel the training if the minimum requirement of 10 participants is not met. Payment must be completed before the start of the training.