Geochemical exploration methods and analysis of data

WAXI/Agate Project Training

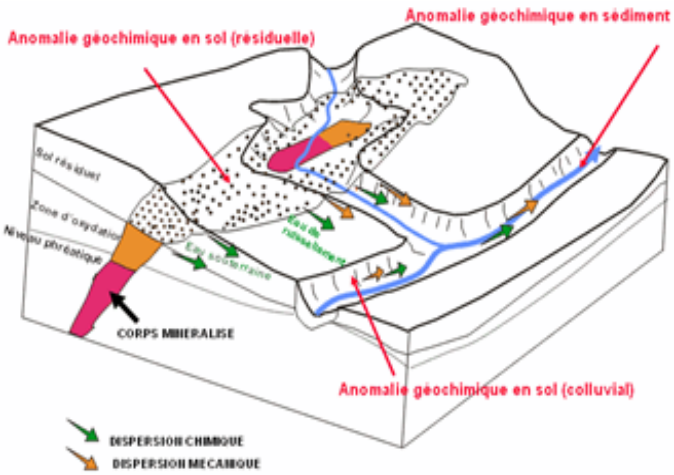
13th-17th October 2025
Saly, Senegal

This training course focuses on geochemical techniques applied to mineral exploration, offering comprehensive coverage of essential topics such as sampling strategies, sample preparation, and statistical data analysis.

It is designed for geoscientists with prior experience in geochemical surveys who are eager to refine their skills and gain practical insights.

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.



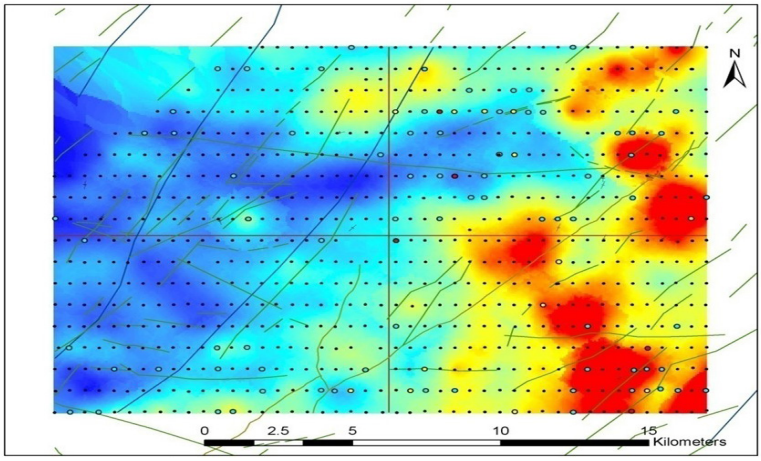
On the final day, participants will engage in practical work using either their own geochemical datasets or provided datasets, with time allocated for addressing questions and consolidating the concepts learned throughout the training.

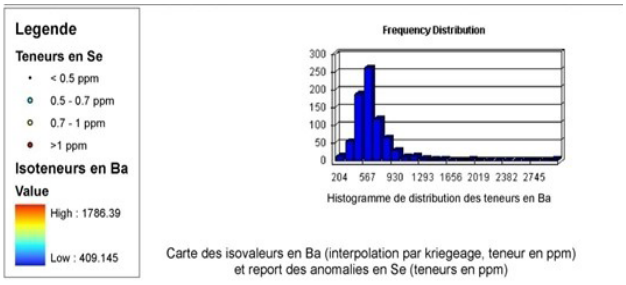
At the end of the training, participants will have the essential knowledge needed to optimize geochemistry campaigns (sampling, grid design, analysis) and the skills to interpret them using any statistical tool.

Programme

Attendees are invited to bring their own geochemical dataset to put geochemical interpretation into practice and to share their positive/negative experience in geochemical exploration. Laptops with Excel will be appreciated.

Date	*Course Elements*	*Lecturer*
Monday 13 Oct *8:30 am to 4:30pm*	• Geochemical signatures • Geochemical dispersion • Impacts of weathering • Sampling strategies	Yann Itard
Tuesday 14 Oct *8:30 am to 4:30pm*	• From sampling to geochemical analysis • Quality control • Numeric tools for the geochemist.	Yann Itard
Wednesday 15 Oct *Field trip depart from and return to hotel . Time to be confirmed*	Day Field trip: • what • where • and how to take representative samples	Yann Itard
Thursday 16 Oct *8:30 am to 4:30pm*	Data Interpretation • Geochemical background • Statistical classification • Factorial analysis	Yann Itard
Friday 17 Oct *8:30 am to 4:30pm*	Practical work on attendee's dataset or on given datasets.	Yann Itard



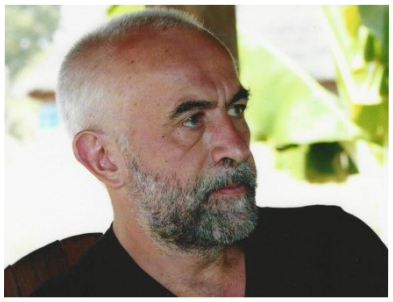


Carte des isovaleurs en Ba (interpolation par kriegeage, teneur en ppm) et report des anomalies en Se (teneurs en ppm)

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, Ivory Coast, Cameroon, and Saudi Arabia.



Date
13 to 17October 2025

Time
08:30 am - 04:30 pm Senegal time - Face to Face training

Duration
5 days

To bring
Appropriate clothing for the field excursion. Laptop with Excel installed will be appreciated.

Venue
Le Saly-Hotel & Hôtel Club Les Filaos - www.lesalyhotel.com
Saly-Portudal SENEGAL

Language
French

Registration fees
For the full 5 days of training, including training materials, lunch, morning and afternoon tea and transport during the field trip.
WAXI Sponsors US$2,100 per attendee - Non-WAXI sponsors US$2,450 per attendee. Invoice of currency AU$.

Registation dealine
1 September 2025

Certificate of Participation:
Particpants will receive their certificate at the end of the training course.

Registration

AGATE PROJECT
Knowledge. Skills. Networks in Earth and Planetary Science

Geochemical exploration methods and analysis of data

13 to 17 October 2025 Saly, Sénégal

Complete and return this form before the 1st September 2025

Company .....

Entity to invoice: .....

Address .....

.....

Phone .....

Administrative Email contact .....

Attendee's 1 First Name Surname.....

Email:.....

Attendee's 2 First Name Surname.....

Email:.....

Attendee's 3 First Name Surname.....

Email:.....

Attendee's 4 First Name Surname.....

Email:.....

Total Registration Fees .....

WAXI Sponsors US$2,100 per attendee, Non-WAXI sponsors AU$2,450 per attendee, Invoice of currency: US$

Email: Corinne.Debat@agate-project.org

On confirmation of your places, we will ask you to transfer the registration fee to a bank account to be announced. Registration valid only when the invoice is paid in full