



30TH INTERNATIONAL APPLIED GEOCHEMISTRY SYMPOSIUM

The Local Organising Committee (LOC), the Association of Applied Geochemists (AAG) welcome you to the 30th International Applied Geochemistry Symposium, IAGS2024, Adelaide/Tartanya, Australia.

This conference has the theme “Geochemistry for a Sustainable Future”. Join us and contribute to sharing advances in approaches and technologies for exploration, processing and the environment for social benefit. Scientific sessions will include an emphasis on critical minerals.

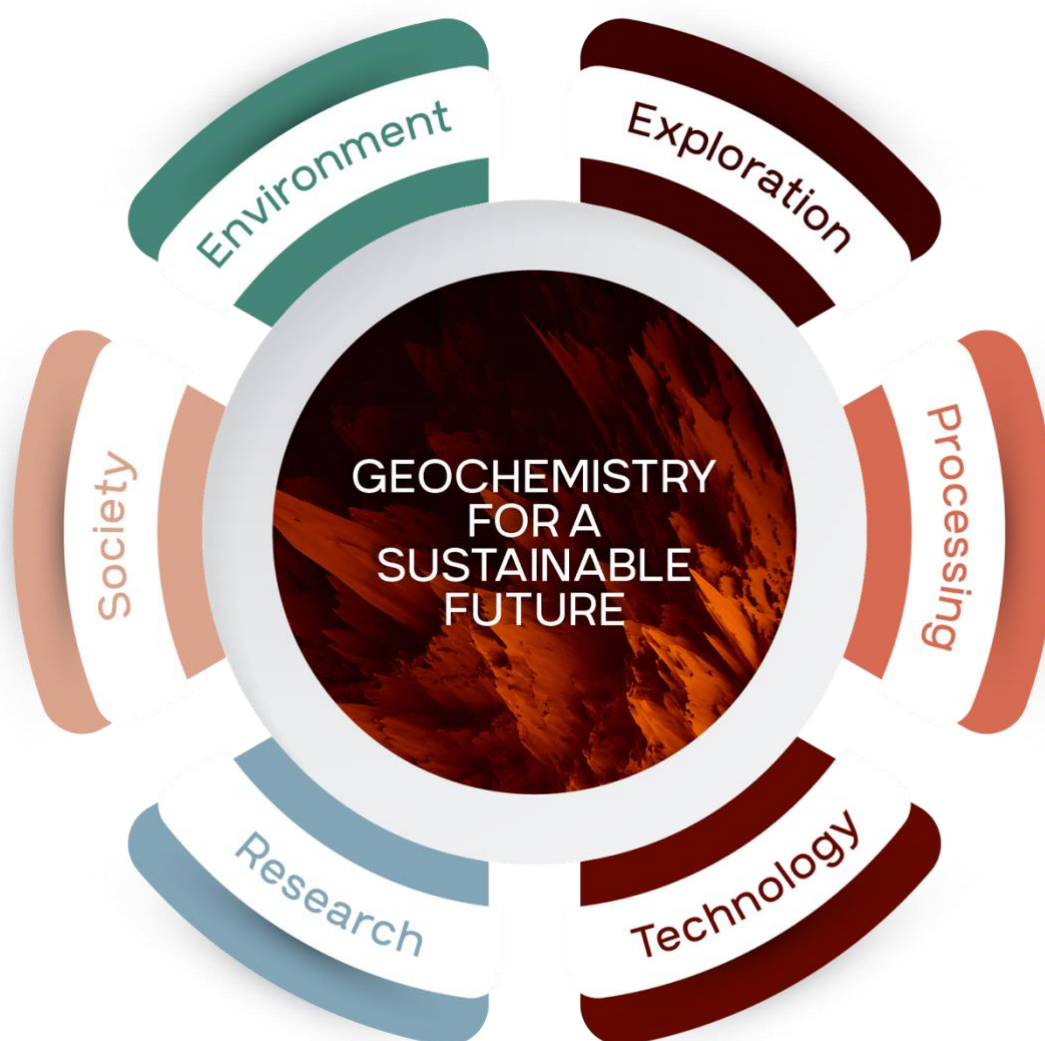
The IAGS2024 LOC is pleased to announce that the International Association for Mathematical Geosciences (IAMG) are partnering with IAGS and AAG to host sessions on ‘Big Data Analytics and Machine Learning Algorithms in Geochemistry’.

After the resounding success of the 29th IAGS held in Viña del Mar, Chile in 2022 (two years after it was originally planned to take place, due to COVID), IAGS2024 is gearing up to continue the legacy of fostering innovation and collaboration in the field of applied geochemistry.

Now, in Adelaide, 2024, we will gather once again to celebrate the remarkable achievements in applied geochemistry.

Aim of the IAGS2024

The 30th IAGS will celebrate the central role of applied geochemistry in providing a sustainable future, as per the conference theme. At this conference the key sub themes will highlight the critical need for applying geochemical solutions across environmental, exploration and mining, and social solutions. These key sub themes are:



Why Adelaide?



A visit to Adelaide and the state of South Australia offers delegates easy access to the best of what Australia has to offer: beautiful beaches, unique Australian wildlife, world-renowned wine regions, premium culinary experiences, access to the outback, and a chance to learn about and engage with Australian Aboriginal culture.

South Australia has a strong geo-scientific community, including the Geological Survey of South Australia within the Department for Energy and Mining, resources exploration industry base, universities and research organisations including CSIRO. Currently, significant work is taking place to gain UNESCO World Heritage status for South Australia's Flinders Ranges due to its extraordinary Ediacaran fossils and geological landscape.

Adelaide is serviced by the world's best international airlines including Qantas, Virgin, Qatar Airways, Singapore Airlines, Malaysia Airlines, China Southern Airlines, Emirates**, Cathay Pacific, Air New Zealand, Jetstar International and Fiji Airways.

Adelaide is easily accessible from all Australian airports by all major domestic airlines.
Approximate flight times from:

Melbourne is 1.5 hours
Sydney is 2 hours
Brisbane is 3 hours

From Melbourne, drive to Adelaide in approximately 8-9 hours, or take the scenic route along the Great Ocean Road into South Australia. From Sydney, a trip is about 16-17 hours' drive time.

Accommodation options specifically for conference delegates will be available on the IAGS2024 website in due course.

**Emirates due to fly to ADL from July 2024

[Visit South Australia](#)

Dates to Remember

IAGS2024 will formally commence at the Adelaide Convention Centre on Monday 14 October and concludes on Friday 18 October. Wednesday 16 October will not have scheduled Scientific Program events in order to make room for workshops and field trips.

Please refer to the conference key dates below:

Wed	6 Dec 23	Abstracts Open
Wed	13 Dec 23	Registrations Open
Wed	13 Mar 24	Abstracts Close
Mon	8 Apr 24	Program Announced including Workshops & Field Trips
Fri	2 Aug 24	Early Bird Registrations Close
Mon	14 Oct 24	Symposium Begins

Proposed List of Scientific Sessions (TBC)

The final sub-themes of the scientific sessions of the conference, including the special sessions and the Chairpersons, will be announced with the second circular later in 2023 and also on the [website](#).

HYDROGEOCHEMISTRY	REMEDICATION & MONITORING	BIOGEOCHEMISTRY	ACID MINE DRAINAGE (AMD), MINE WASTE REMEDIATION
REGIONAL GEOCHEMICAL SURVEYS	REGOLITH & CRITICAL ZONE GEOCHEMISTRY	MINERAL DEPOSIT FOOTPRINTS	EXPLORATION TECHNIQUES AND METHODOLOGIES
MINERAL CHEMISTRY FOR EXPLORATION	CASE STUDIES - INTEGRATION OF DATASET	CHARACTERISATION & DETECTION THROUGH COVER	PORTABLE TECHNOLOGIES
ADVANCES IN GEOCHEMICAL ANALYSIS	BIG DATA ANALYTICS & MACHINE LEARNING ALGORITHMS IN GEOCHEMISTRY	OVERCOMING CHALLENGES WITH DATA	ORE BODY KNOWLEDGE
GEOMETALLURGY	STABLE ISOTOPE GEOCHEMISTRY	GEOCHRONOLOGY	MICROANALYSIS
NON-CONVENTIONAL ISOTOPE SYSTEMS	SOIL SCIENCE	VITICULTURE	GEOCHEMISTRY OF FORENSICS, ARCHEOLOGY, AND GEMS
	GEOCHEMISTRY FOR INCLUSION AND DIVERSITY (WOMEESA SESSION)	GEOCHEMISTRY & GEOETHICS	

Workshops

The IAGS2024 LOC see conference workshops as a key part of the IAGS2024 offering and experience. Workshops will likely be held pre-conference for a maximum of 3 days duration and are dependent on achieving a minimum number of participants. Workshop participation will be open to non-registrants of the main symposium. Workshop pricing will be at standardised day-rates with discounts for students and members of some professional organisations.

The LOC is seeking expressions of interest from the geoscience community to run workshops at the IAGS2024. If you are interested in this, please contact [Ned Howard](#) and [Anna Petts](#) by 23 December 2023.

As part of your submission, please provide information regarding the following:

- Names of individuals who are leading/involved and the organisation/s they represent;
- General topic and outline of workshop content;
- Brief outline of how the proposed workshop aligns with the targeted workshop themes listed below;
- Duration;
- Any requirements for the workshop venue (other than standard AV equipment); and
- Representatives of commercial providers will need to demonstrate inclusion of general content non-specific to technologies or services they are promoting.

Suggested workshop topics:

- Geochemical data collection, analysis and interpretation applied to exploration, ore deposit characterisation and/or remediation;
- Geochemical characteristics of ore deposits, hydrothermal alteration and mineralisation processes;
- Isotope geochemistry and geochronology;
- Environmental geochemistry and hydro-geochemistry;
- Geology and geochemistry of the regolith/critical zone and transported cover;
- Sample theory, sampling practices and QA/QC;
- Training in commonly used geochemical and geological software;
- Application of data-science, AI, AR (augmented reality), and ML to geochemical/geological datasets;
- Novel or commonly used geochemical and mineralogical technologies and their application, e.g., portable analysers, micro-analytical techniques, scanning and imaging technologies;
- Pre-competitive geochemical datasets and their application to exploration;
- Geometallurgy, ore deposit knowledge and characterisation;

- Soil geochemistry and viticulture; and
- Other topics relating to applied geochemistry, where justified in the EOI submission.

Already confirmed workshops include: “Applied Geochemistry for Exploration, Geology and Geochemistry of the Critical Zone/Regolith and Geology” and “Geochemistry of Iron Oxide-Copper-Gold deposits”.

Successful workshop submissions will be announced and registration opened with distribution of the Second Conference Circular.

Field Trips

It is not mandatory to participate in IAGS2024 to register for a Field Trip. Field Trips are subject to be held with a minimum number of registered participants.

There will be a number of field trips planned, including pre, mid and post conference.

A call for expressions of interest will be made for field trips, when announced in the Second Circular.

Sponsorship

The LOC is seeking organisations interested in sponsoring the IAGS 2024, and invites potential Sponsors/Exhibitors to follow the link below, or to contact the committee for a prospectus.

Participating as a Sponsor or Exhibitor provides your organisation with the opportunity to demonstrate your level of support and commitment to the industry and connects your organisation with your target audience.

[Prospectus](#)

Conference Fees

The IAGS and AAG will provide membership registration for IAMG members. Students and participants from some developing countries will be able to apply for a bursary* to support travel to IAGS2024.

*Please check the conference website regularly for application details.

TICKET TYPE	EARLY BIRD		STANDARD	
	Member	Non-Member	Member	Non-Member
All-Inclusive	980	1190	1190	1380
Sponsor / Exhibitor	650	650	650	650
Symposium	850	1050	1050	1250
Student	350	350	450	450
Gala Dinner	150	150	150	150

NB. Price is in AUD and includes GST

All Inclusive ticket: Includes 4-day conference and gala dinner

Sponsor/Exhibitor ticket: 4-day conference only for Sponsors/Exhibitors

Symposium ticket: 4-day conference only

Student ticket: 4-day conference only

Gala Dinner ticket: Dinner only

Visa info

If you are planning on attending IAGS2024 from overseas, please consider the various options before going through the registration phase. Australia has some tough immigration laws, so we don't want you to get stuck if you are considering a visit to Australia to attend the conference.

The visa that you will have to apply for depends on your passport. We have provided the following link, but please make sure you read the information thoroughly before starting the process of your visa application.

[Click for more info](#)

The first is the standard visitor visa, predominantly used for visiting family or friends, or to holiday, but also allows you to conduct some specific business activities, including taking part in a conference, trade fair or seminar while visiting.

Good luck with this process, and make sure you are aware of the visa processing time, to make sure it's finalised before the conference.

Latest Updates

If you would like regular information, and all the latest updates for IAGS2024, please sign up to our mailing list by clicking the following link.

[Join Mailing List](#)

Local Organising Committee

Name	Position	Affiliation
Anna Petts	Chair	Department for Energy and Mining, South Australia
Philip Main	Treasurer	Geoscience Australia
Laura Jackson	Secretary	Sustainable Minerals Institute/University of Queensland
Yulia Uvarova	Sponsorship and Trade Coordinator	CSIRO
Mark Arundell	Scientific Program Coordinator	IMEx Consulting
David Cohen	AAG Events Representative	University of New South Wales
Ned Howard	Short Course Coordinator	Evolution Mining
Adrian Fabris	Field Trips Coordinator	Department for Energy and Mining, South Australia
Travis Batch	Student Representative	UniSA
Jessika Gluchowska	Early Career Professional Representative	Rio Tinto Exploration
Erin Martin	Diversity & Inclusion Representative	WOMEESA and IGO
Jessica Walsh	Diversity & Inclusion Representative	WOMEESA and Geoscience Australia
Anthony Budd	Diversity & Inclusion Representative	Geoscience Australia
Mike Whitbread	General Committee Member	Rio Tinto Exploration
Philip Baker	General Committee Member	Rio Tinto Exploration
Mark Pirlo	General Committee Member	ALS
Stacey Priestley	General Committee Member	CSIRO
Richard Greene	General Committee Member	ANU
Paul Morris	Abstract Volume Editor	AAG

