European Association of Geochemistry

www.eag.org

EAG HAS A NEW LOGO!

The EAG is pleased to present to *Elements* readers the new EAG logo, whose bold, modern design highlights geochemical approaches to studying the Earth and beyond.

If you are attending **Goldschmidt2025 in Chicago this month**, do come and meet us at the GS-EAG lounge to find out about EAG's activities and pick up some handy goodies adorned with the new logo!

NOMINATE A DESERVING SCIENTIST FOR A 2025 EAG AWARD

Through annual awards and special lectures, the EAG aims to recognize scientific excellence and outstanding achievements and contributions to geochemistry and the community at different career stages. We are committed to promoting the diversity of our awardees, and to recognizing different types of exceptional contributions, as well as the different career paths that lead to these achievements. **To ensure that the most deserving scientists are recognized, we need the help of the whole community!** Nominations for 2025 Awards are now open and we encourage everyone to consider submitting a nomination for a colleague, mentor, student, or peer.

Find out more and submit a nomination at https://www.eag.org/awards/nomination/

Nomination deadlines	
31 October	GS-EAG Geochemistry Fellowship
15 November	EAG H.C. Urey, Science Innovation, and F.G. Houtermans awards
10 January	GS-EAG R. Berner Lecture

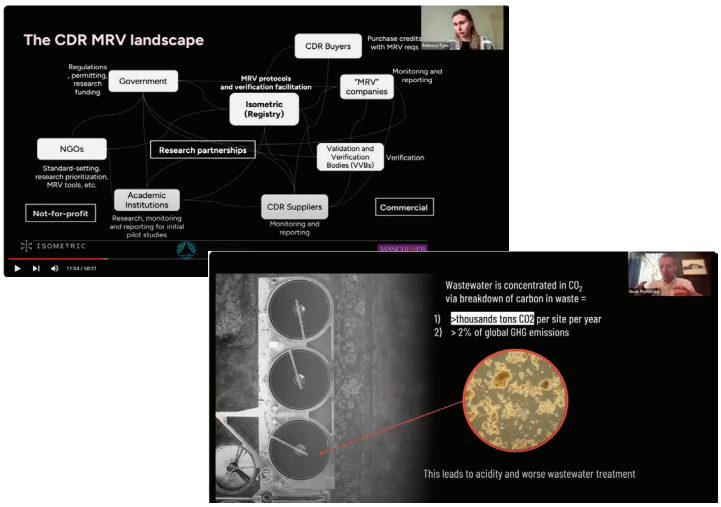
WHY JOIN THE EAG?

In a new short video, seven geochemists describe why they joined the EAG. Scan the QR code below to watch now and discover the benefits of becoming an EAG member, and if you are already a member, discover some of the ways your membership supports the community!

Visit https://www.eag.org/membership/ to find out more.

WATCH THE FIRST *EAG REACTIONS*: ACADEMICS WORKING ON CARBON DIOXIDE REMOVAL (CDR) PROJECTS

The first ***EAG Reactions*** took place in March, and the EAG was delighted to welcome 48 participants from around the world who joined on Zoom. Invited speakers **Rebecca Tyne** (Isometric) and **Noah Planavsky** (professor at Yale, USA, and senior contributing scientist at Environmental Defense Fund and Cascade Climate) opened the *EAG Reactions* series with fascinating short talks in which they shared their experiences of working on different carbon dioxide removal (CDR) projects, including carbon removal registries and verification protocols, and CDR through enhanced weathering in wastewater treatment systems, giving insightful perspectives on the role of academia–industry collaborations. Their talks were followed by lively discussion and Q&A related to the geochemistry of CDR, societal issues, and the role of academia in CDR research.



Interested in finding out more? Watch the *EAG Reactions* recording on the EAG YouTube channel at https://www.youtube.com/@EAGOffice.

UPCOMING *EAG REACTIONS*: THE STRATEGIC ROLE OF CRITICAL MINERALS FOR A SUSTAINABLE INDUSTRY

The next *EAG Reactions* will take place online this autumn on the topic of Critical Mineral Resources. Short presentations from guest speakers with expertise in both geochemistry research and policy will be followed by participant-led informal discussions on key issues including the need to secure stable supply chains, the role of critical minerals in advanced technologies and renewable energy, and the role of geochemistry in critical mineral exploration.

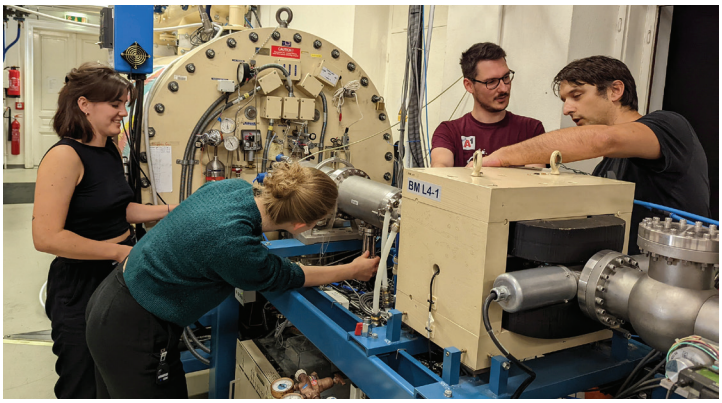
As always, registration is free and open to all! Date and speakers to be announced soon!

Find out more and register at eag.org/events/reactions.

FROM THE EAG BLOG: GO BIG! LARGE-SCALE FACILITIES FOR GEOCHEMICAL RESEARCH

Where do you go to get excellent data for your geochemical research, outside of your home institution?

I have been addicted to "big machines" such as particle accelerators, neutron sources, and synchrotron facilities for analytical purposes since I very first started in research. Working in an interdisciplinary environment has always been inspiring for me so I have always tried to encourage colleagues (like you) who have not yet used the brilliant analytical and imaging tools available to us around the world to go out and try them.



Go Big! The Vienna Environmental Research Accelerator in Austria. PHOTO: SILKE MERCHEL.

For this reason, we have launched a new series on the EAG Blogosphere (www.eagblog.org) to introduce you to various large-scale facilities, infrastructures, and projects that are (mostly) free to use for geochemistry research. The contributions will demonstrate a variety of methods and techniques, ranging from high-resolution 3D imaging at the nanoscale to ultrasensitive isotope measurements and spatially-resolved oxidation states.

If you want to study single-crystal surfaces, mineral–fluid interfaces, or multiphase fine-grained to amorphous materials such as soils and rocks, if you want to date sudden events or slow processes events from tectonics, climate change, or anthropogenic influence in the past, large-scale facilities can help you!

In the blog series, different facilities will tell us about themselves and the techniques and services they provide, such as

- the methods they specialize in and how they are used in geochemistry research
- how to access the facility: if you need to travel, if there is any cost or funding available, who to contact and how to apply
- the people at the facilities and the help that staff can provide.

We hope that the blog posts will help potential new users, especially students and early career researchers, discover a variety of different techniques as well as new ways of accessing analytical and imaging tools, and in turn, that facilities will learn more about analytical, imaging, and information needs in geochemistry. All in all, we hope that the series will strengthen links between providers and users in geochemical research.

In the first contributions to the series, the VERA laboratory in Vienna, Austria tells us all about accelerator mass spectrometry, and the EXCITE Network describes how through their network you can gain free access to analytical and imaging technologies using X-ray, electrons, and ions at 36 different facilities around the world!

You can follow new posts in the series by subscribing to the EAG newsletter and following our social media channels. If you run a large-scale facility and are interested in contributing to the series, do not hesitate to contact us via the EAG Office (office@eag.org)!

Now, let's see what excellent data you might be able to produce at locations outside your home institute!

By **Silke Merchel**, University of Vienna, EAG Communications Committee