

# The Newsletter of the International Association of Sedimentologists



Issue 09, 2024

Dear IAS Members,

Welcome to the September IAS Newsletter. This is a fairly short issue but with important reminders. Firstly the closing date for the autumn 2024 round of **IAS Postdoctoral Research Grants, Postgraduate Research Grants, Judith McKenzie Fieldwork Awards** (for Master's students) and **International Institutional Grants** is very soon – 30<sup>th</sup> September. Secondly, we encourage our student members to submit applications for the **11<sup>th</sup> International Summer School of Sedimentology** in NW Wales, “**800 million years of Earth History in 800 km<sup>2</sup>**”. Thirdly, abstract submission and early bird registration are open for the **38<sup>th</sup> International Meeting of Sedimentology** in Huelva, southern Spain. More on all of these opportunities can be found in this newsletter. We also announce the successful applicants for the first round of **North Sea Core** samples for teaching and invite applications for the second round.

We are continuing to fine-tune the new IAS website and membership portal. We are aware of a few continuing teething issues, and if you encounter a problem please let us know. **As always please share this Newsletter with your colleagues and students and encourage them to join the IAS.** Any **new** members who join after the beginning of October will enjoy membership through to the end of 2025. Note, for **existing** members 2025 renewals will be at the beginning of January.

With best regards,

Gonzalo Veiga

*IAS General Secretary*

## IAS President's Message



It has been a busy month with the IAS sponsored Core Logging School, led by the Polish Geological Society, in Poland, and preparations gathering pace for the 2025 IMS in Huelva and the 2026 ISC in Wellington. IAS will also be present at GSA Connects 2024 in Anaheim, USA, with Elias Samankassou (Chief Editor of Special Publications and of The Depositional Record) and Joanna Pszonka (Vice President responsible for the Early Career Scientists Committee) in attendance as well as our Executive Officer. There is information on key dates and deadlines in this newsletter for upcoming meetings, and keep your eye on emails and social media for further announcements.

In the background, we also have some changes in our IAS Office. Wim Lievens, who ran our IAS Office in Ghent, is leaving us at the end of September and will be taking up a new role co-ordinating an inter-University Masters programme. I would like to thank Wim on behalf of all our members for all his work for the IAS – although much of this was unseen, his role was hugely important to supporting the Office of the Treasurer, particularly managing membership payments and overseeing invoices and day-to-day accounting. All

enquiries and communications from members should continue to be through our webpage and our Executive Officer.

As always, I welcome any queries or comments you may have through the IAS website [contact form](#) and thank you for your support.

*Cathy*

## 38<sup>th</sup> IMS, Huelva, Spain: Registration and Abstract Submission Open



The **38<sup>th</sup> International Meeting of Sedimentology** will be in Huelva (SW Spain) from **26<sup>th</sup> to 28<sup>th</sup> of June 2025**. It will be hosted by the University of Huelva and organized by a team led by Juan A. Morales. Please **visit the meeting website** for the latest updates, see the promotional video, details about the city of Huelva, the University Campus and possibilities of travel and accommodation. Updates will also be posted on IAS social media and the IAS website, but any questions specifically about the meeting should be addressed to the organizers using the **IMS 2025 contact form**.

**Abstract submission is now open** with a deadline of **25<sup>th</sup> November 2024**. This is to allow time for abstract review and decisions to be made early enough to allow for visa applications (for those who need an EU entry visa) that can take several months to process. **Follow this link to submit your abstract**. The **abstract guidelines** can also be seen **at this link**.

**Early-bird registration is also open** for the meeting. **Follow this link to register**. Note field trip and workshop registrations will be coming soon, information on proposed **field trips** can be found **at this link**, and details of **workshops** can be found **at this link**.

Other **key dates** for the IMS can be found **here**.



## IAS Research Grants – final call for fall 2024 round

The IAS offers **research grant opportunities** to its Student Members on sedimentological MSc or PhD programmes, and to sedimentology postdoctoral researchers early in their career. There are two calls each year, with a typical annual total of 43,000 Euro awarded. These are ideal for **pilot studies** or **ancillary analytical work that isn't covered by bursaries and other funding sources**. The **application process is simple** and **success rates are high** compared to many other funding sources. Each grant has its own set of guidelines and all applications are submitted via the IAS website. Only one of each grant type may be awarded to a given applicant, but unsuccessful applicants for Postgraduate and Postdoctoral Grants are provided feedback and permitted to re-apply in a subsequent round if they are still eligible. Typical success rates of applications for these grant rounds are from about 30 – 60% (and higher for Judith McKenzie Fieldwork awards). **Well-written and justified applications for original and interesting sedimentological projects stand a strong chance of being funded.**

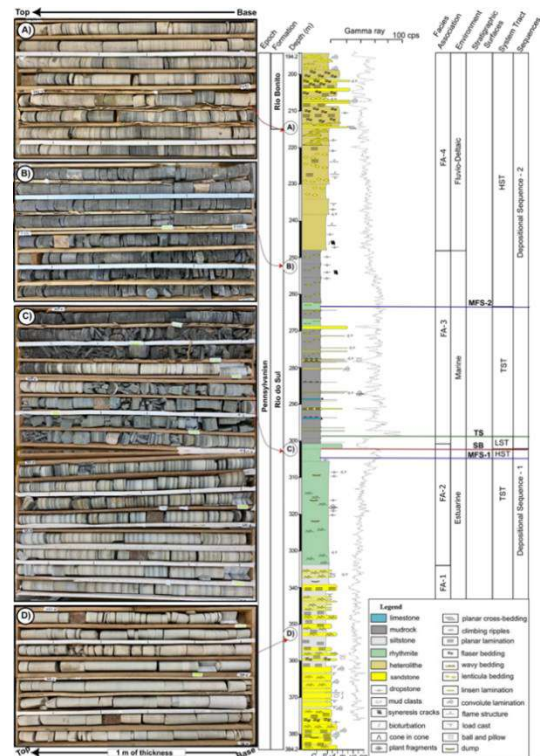


Image credit: Franciele Trentin

Grants are always paid after the research has been completed and a concise scientific report and a financial statement with itemised receipts are submitted to the IAS. This is expected to be within 1 year of the award date. Please note that where a personal grant is awarded the IAS will pay it to the Member's own bank account. It is not possible to make payments to Institutional accounts, nor is it possible for the grants to be offset in any way against institutional overhead costs. Advance payments also are not permitted.

**The deadline for all Research Grant applications is 30<sup>th</sup> September 2024 at 24h00 CET (UTC+1).**

### Postdoctoral Research Grants

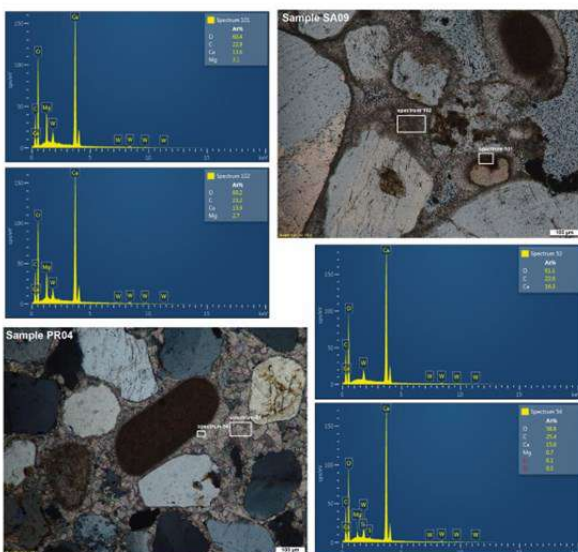


Image credit: Michaela Falkenroth

**IAS Post-Doctoral Research Grants** provide seed funding to help **Early-Career Post-Doctoral Researchers** who are **Full Members of IAS** to establish a proof of concept, to support applications to national research funding bodies, or to fund areas of a project that were not included in the original project scope. Applicants must have obtained their Ph.D. within the previous 7 years.

**Up to 4 grants, each of up to €2,500**, are awarded biannually. The application involves submission of a research proposal, CV, itemised budget, and a letter of support from the researcher's supervisor, line manager or Head of School. **Applications are submitted via the IAS website** where the specific guidelines and application forms can be found.



## Postgraduate Research Grants

**IAS Postgraduate Research Grants** are ideal for funding analyses or field data collection that are related to, but not covered by, the applicant's existing PhD bursary. They are often used for testing new ideas that have arisen from the PhD research, visiting other institutes to use specialized facilities, or for collecting supplementary data. **Up to 10 grants, each of up to €1,000,** are awarded biannually to **IAS Postgraduate Student Members.**

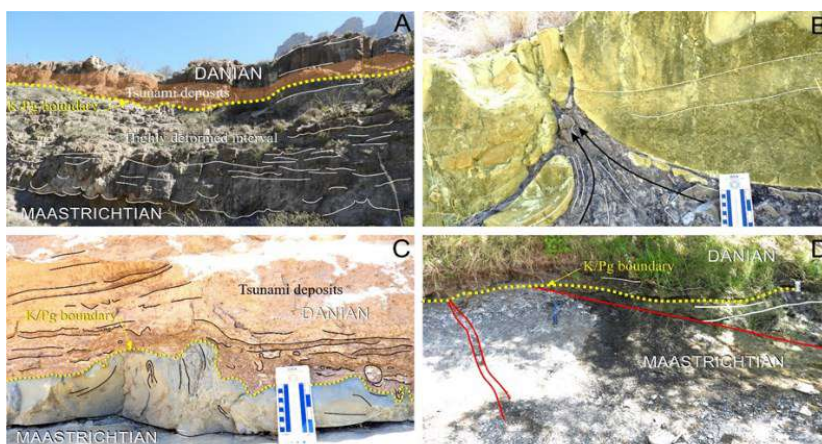


Image credit: Hermann Bermudez

Applications involve a short research proposal, CV, proposed budget, and the PhD supervisor's supporting recommendation. **They are submitted via the IAS website** where the scheme's guidelines and application forms can be found.

## Judith McKenzie Fieldwork Awards

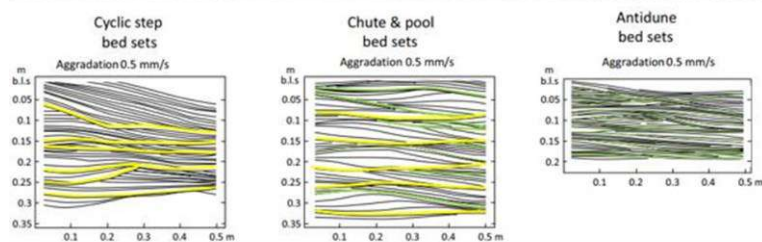


Image credit: Luthfi Saifudin



The **Judith McKenzie Field Work Awards** promote sedimentological fieldwork skills and observations for the newest generation of Earth Scientists – MSc Students. Thus, funding is specifically for fieldwork that forms part of a Master's dissertation. **Up to 5 grants of €300 each** are awarded biannually to **IAS Student Members** who are **active MSc students**. Applications consist of a short fieldwork proposal and budget (written by the student), CV, a signed letter of support from the student's supervisor, and proof of MSc student enrolment. **Submission of applications is via the IAS website**, where guidelines and application forms can be found.

**Note! There will be a Special Issue of the IAS's Open Access Journal "The Depositional Record" dedicated to honouring the career of Judith McKenzie. See below for more information.**

## IAS Summer School: 800 million years of Earth History in 800 km<sup>2</sup> – Apply Now!

The **11<sup>th</sup> IAS International Summer School of Sedimentology**, which will take place from **4<sup>th</sup> – 12<sup>th</sup> July 2025** amongst the world-class geology and stunning scenery of Northwest Wales, including the **GeoMôn UNESCO Global Geopark**. Time travel may be impossible, but you can ‘join a ride’ with the Avalonia landmass on its journey from the southern to northern hemisphere during the Precambrian to the Last Glacial Maximum and so view 800 Ma of sedimentary and palaeoclimate history in an active plate tectonic context. You can download a flyer from [this link](#) and it is also attached to this Newsletter. Please share it with your students.



The Summer School is an unrivalled opportunity to meet, work together and make lifelong connections with your peers from around the world – and to be taught by expert instructors. As well as journeying in deep time you will learn about the role of geoscience in the energy transition, where NW Wales is leading the way in planning and development of clean energy resources.

Applications are open for IAS Student Members on postgraduate research courses. All you need to do is log in to your profile on the website, download and read the information document and application form, and submit your completed application (a single pdf that includes your CV, supervisor’s letter of support and proof of student enrolment). **The closing deadline is 30<sup>th</sup> November 2024.**

The fee for the Summer School is **300 Euro**, covering tuition, materials, ground transportation, accommodation and some meals. Those accepted onto the Summer School will be eligible to apply for **Travel Grants** that will contribute towards the cost of their international travel to NW Wales.



## IAS International Institutional Grants

The IAS offers twice-yearly **International Institutional Grants** to assist Earth Science departments in low and lower-middle income countries (as defined by the World Bank) to obtain **sedimentological equipment for teaching and research**, and/or tools that can be used by all geology students.



These grants are **up to a maximum of 10,000 Euro each**. The IAS purchases the equipment and pays for its shipping. Guidelines for applications can be found on the IAS website along with the list of eligible countries. Successful grant applications will clearly demonstrate how the grant will increase the recipient's capacity to teach sedimentology at undergraduate level in a sustainable way. Applications must be from active IAS Members and submitted via the IAS website, and it is very important to follow the guidelines and provide all the information required. More information is available via IAS Regional

Correspondents for applicant's countries or via the [website contact form](#).

These grants are a fantastic opportunity to build capacity in Earth Science departments where institutional funding may be limited. **They are usually under subscribed so there is a high chance of success for well-prepared applications that meet the criteria and guidelines!**

For an excellent example of how the grants are used please see the item by Dr Eric Ekoko Bokanda from the University of Buea, Cameroon in the [May Newsletter](#).

**The deadline for Institutional Grant applications is 30th September 2024 at 24h00 CET (UTC+1).**

## IAS at GSA Connects

If you are going to be at GSA Connects 2024 in Anaheim, California, 22 – 25 September, please come and say hello at the IAS **booth 513** in the exhibition hall. We look forward to meeting you!



## Follow the IAS on Social Media

Follow the IAS on [Facebook](#), [Twitter/X](#), [WeChat](#), [Bluesky](#) and [LinkedIn](#) to keep up to date with all of the latest news, announcements and happenings.

[@sedimentology](#) and IAS沉积学之家



All the **IAS Journals** are also active on "X" (former Twitter). Stay up to date on the latest news and papers in [@sedimentology](#) by following the IAS journals: [@JSedimentology](#), [@DepositRecord](#), [@BasinResearch](#).

## 22<sup>nd</sup> International Sedimentological Congress, Aotearoa New Zealand



Preparations are continuing for the 22<sup>nd</sup> International Sedimentological Congress (ISC) to be held in Te Whanganui-a-Tara Wellington on **25<sup>th</sup> – 30<sup>th</sup> January 2026**. Please see the [conference website](#), a [welcome video](#) from the Committee, and join a [mailing list](#) to receive updates. We will of course continue to provide the latest news through the IAS Newsletter and social media.

The theme of the Congress is **Sedimentation on active plate margins through time and space** and aims to cover a wide range of topics related to active margin sedimentation as well as a wide variety of other sedimentology themes.

The organizers are keen to hear from any companies interested in becoming a **sponsor or exhibitor** at the ISC, which is the pre-eminent global-scale sedimentology conference that typically attracts more than 1000 delegates. Please email [isc2026@confer.co.nz](mailto:isc2026@confer.co.nz) to receive a copy of the sponsorship and exhibition prospectus.

In the [August Newsletter](#) we showcased some of the exceptional field trips on offer, and more will be described in future issues. Currently, abstract submission is planned to open in January 2025 and registration in March 2025.



Hillside with horizontal sedimentary layers, Rangiora, North Island, New Zealand



Coastline in Carter's Point, Marlborough coast, North Island, New Zealand



Glacial River, Lake of Canterbury, South Island, New Zealand

**We look forward to welcoming all of you to New Zealand in 2026!**

### Proposing an IAS Sponsored Meeting

**Any IAS Member organising a sedimentological conference or international workshop, short course or field excursion on a sedimentology-related theme is entitled to apply for IAS sponsorship.**

This is typically provided as Travel Grants to assist Student Members to participate in the meeting, plus publicity / marketing via the IAS Newsletter, social media channels and website. Application is a simple process, made through your profile on the IAS website. [Guidelines and application forms can be found here.](#)

**Applications for IAS sponsorship must be received at least 6 months before the meeting registration deadline.** Please be aware that meetings overlapping the dates of an IMS / ISC are unlikely to be supported.

In certain circumstances it is possible to apply for direct sponsorship, especially when the meeting will be a significant outreach event to help grow the Association. In such cases we recommend contacting the IAS in advance.

## North Sea Core for Teaching – Second Round Closing Date 31<sup>st</sup> December and Results of First Round



### NORTH SEA CORE

The IAS in collaboration with North Sea Core CIC **sponsors the distribution of core samples for teaching** from a range of depositional environments to academic institutions that do not necessarily have the funds to acquire these themselves. The scheme is open to **IAS Ordinary Members**, who apply on behalf of

their institutions. Any core samples granted will remain the property of the institution to be used exclusively for teaching. Twenty (20) sets of core samples will be awarded each year, with shipping costs covered by the scheme.

Applicants will be able to select from three possible packages: **Hand Samples**, **Resinated Slabs**, or **Combination**. Details of these packages can be found [here](#).

Applications are made through **Member profiles** on the IAS website, where more details of the scheme can also be found. The next call for applications closes on **31<sup>st</sup> December 2024**.

Applications will be evaluated by a sub-committee of the IAS Council of Management and NSC. Strong preference will be given to institutions that are financially or logistically unable to acquire these sets or similar materials themselves, and where the core samples will be most extensively utilised and strongly benefit the teaching programme.

After the **First Round** of applications core packages are being sent to:

- The National University of Colombia
- Federal University Oye-Ekiti, Nigeria
- The University of Buea, Cameroon
- The University of the Western Cape, South Africa
- Universiti Malaysia Terengganu
- The University of Wroclaw, Poland
- Douglas College, Canada
- The University of Oviedo, Spain
- Louisiana State University, USA



## Forthcoming IAS International Meetings and IAS Sponsored Meetings

In **2025** the **38<sup>th</sup> IMS** will be on 26<sup>th</sup> – 28<sup>th</sup> June in **Huelva**, Spain

In **2026** the **22<sup>nd</sup> ISC** will be on 25<sup>th</sup> – 30<sup>th</sup> January in **Wellington**, Aotearoa - New Zealand.

In **2027** the **39<sup>th</sup> IMS** will be on 14<sup>th</sup> – 16<sup>th</sup> June in **Çeşme/Izmir**, Türkiye.

In **2028** the **40<sup>th</sup> IMS** will be in Patras, Greece (dates to be confirmed).

The IAS Council of Management have received a proposal to organise the 2029 IMS but welcome offers to host the next ISC in **2030**. if you are interested and wish to discuss further please use the **contact form** to let us know.

## Upcoming Sponsored Meetings

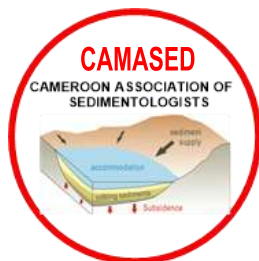


### 1<sup>st</sup> Advanced Course on Deep Water Sedimentary Systems

23<sup>rd</sup> – 28<sup>th</sup> September 2024, Parque de las Ciencias, Granada, Spain.

Registration now closed.

Detailed information on the website and in the **July IAS newsletter**.



### Sedimentology Without Borders (CAMASED 2)

24<sup>th</sup>- 26<sup>th</sup> October 2024, University of Buea, Cameroon

**Student Travel Grants are available – closing date 26<sup>th</sup> September 2024.** Please contact the **Meeting Organiser** directly for the Guidelines document and Application form (these are not available through the IAS website).

## IAS Journals – Current Contents

### Sedimentology Current Issue (August 2024)



Autogenic evolution of valley-confined deltas during sea-level rise: Insights from numerical and physical modelling

*Ru Wang, Wonsuck Kim, Luca Colombera, Nigel P. Mountney, Yunhyeong Lee, Jaehyung Lee*

Organic matter influence on ooid formation: New insights into classic examples (Great Salt Lake, USA; Triassic Germanic Basin, Germany)

*Yu Pei, Pablo Suarez-Gonzalez, Jan-Peter Duda, Joachim Reitner*

Origin, evolution and significance of giant buried sediment mounds near the Sahara Slide Complex, North-west African margin

*Wei Li, Sebastian Krastel, Tiago M. Alves, Song Jing, Michele Rebesco, Felix Gross, Morelia Urlaub, Aggeliki Georgiopolou*

Late-Holocene counterpoint deposition in the Lower Rhine River

*Lisa Boterman, Jasper Candel, Bart Makaske, Jakob Wallinga*

Eocene monsoon climate expansion in East Asia: Evidence from orbital-cycle driven terrestrial successions in the Jiangnan Basin, Central China

*Yuan Cai, Xiangxin Kong*

Testing magnetic tracers as indicators of sediment transport in a wave flume experiment

*Soraia Romão, João Cascalho, Caroline C. Ferreira, Eric Font, Rui Taborda, Paulo A. Silva, João F. Duarte, Franziska Staudt*

High-frequency palaeoenvironmental changes in the mixed siliciclastic–carbonate sedimentary system from a lower Permian restricted basin (West Gondwana, southern Brazil)

*Ailton S. Brito, Afonso C. R. Nogueira, Renan F. Dos Santos, Rômulo S. Angélica, René Rodrigues*

Carbonate microbialites and chemotrophic microbes: Insights from caves from south-east China

*Min Ren, Brian Jones, Xiaomin Nie, Xin Lin, Chuang Meng*

Morphodynamics and depositional architecture of mid-channel bars in large Amazonian rivers

*Renato P. Almeida, Cristiano P. Galeazzi, Jim Best, Marco Ianniruberto, Ariel H. Do Prado, Liliane Janikian, Carlos E. M. Mazoca, Larissa N. Tamura, Andrew Nicholas*

The hidden biotic face of microbialite morphogenesis – a case study from Laguna de Los Cisnes, southernmost Patagonia (Chile)

*Clément G. L. Pollier, Alejandro N. Guerrero, Jorge Rabassa, Daniel Ariztegui*

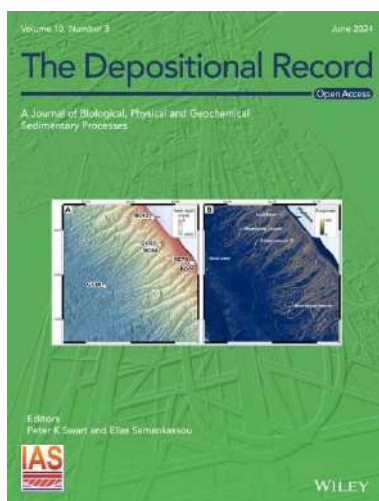
Evolving fill-and-spill patterns across linked early post-rift depocentres control lobe characteristics: Los Molles Formation, Argentina

*Aurélia M-L. J. Privat, Jeff Peakall, David M. Hodgson, Ernesto Schwarz, Christopher A-L. Jackson, Jonatan A. Arnol*

Grain-size component dependent storage threshold of orbital cycles in alluvial stratigraphy caused by autogenic dynamics

*Daming Yang, Yongjian Huang, Xiang Li, Jianlei Gao, Shitao Yin, Chengshan Wang*

## The Depositional Record Current Issue (June 2024)



Chronostratigraphy and tectono-sedimentary history of the Eastern South Pyrenean foreland basin (Ripoll Syncline, North-East Spain)

*Philémon Juvany, Miguel Garcés, Miguel Lopez-Blanco, Carles Martín Closas, Elisabet Beamud Amorós, Josep Tosquella, Susanna Emilia Bekkevold*

Evolution of a late Quaternary succession by interpretation of high-resolution seismic and bathymetric data, Adriatic Sea

*Federico Da Col, Massimo Zecchin, Dario Civile, Luca Baradello, Michele Deponte, Flavio Accaino*

Changes in mesophotic carbonate-platform export across the end of the last glacial cycle (Saya de Malha Bank, western Indian Ocean)

*Or M. Bialik, Christian Betzler, Juan Carlos Braga, John J. G. Reijmer, Jesus Reolid, Sebastian Lindhorst*

**The Depositional Record** is a **fully open access journal** publishing high quality articles from across the field of sedimentology. It has an impact factor of 1.9 (2023) and 51 days average submission to first decision. The journal covers all timescales, from Ancient to Modern Earth and welcomes articles that emphasise the application of sedimentary processes to the study of paleoclimate, changes in the chemical environment, ocean acidification, extra-terrestrial sedimentology, and the application of genetic methods to understanding sedimentological processes.



The Depositional Record also offers the opportunity to publish thematic **Special Issues**. Previous and currently open Special Issues can be viewed [here](#).

### **Call for papers: Beyond Boundaries: Honoring the Legacy of Judith A. McKenzie in Earth Sciences**



The distinguished sedimentologist and geochemist Judith A. McKenzie passed suddenly away on August 2023. Her pioneering research in sedimentology, geochemistry, and microbiology has left an indelible mark, inspiring a wealth of innovative discoveries and shaping diverse fields within earth sciences.

We are honoring Judy's career and contributions with a special issue of The Depositional Record. We aim to showcase overviews of the current state of knowledge and technical contributions in areas central to Judy's research pursuits such as exploring the mechanisms and processes underlying dolomite formation; the significance of microbialites in understanding ancient environments and their role as archives of Earth's history; the dynamics of sediment deposition in lakes and oceans and their implications for understanding past climate and environmental changes including the

deep biosphere; the Mediterranean, one of Judy's favorite research areas, that she started investigating in her early career but she promoted it until the end; and the application of new techniques and approaches, such as clumped isotopes, to address unresolved questions in sedimentology, geochemistry, and microbiology.

We invite contributions of original research articles, reviews, and perspectives reflecting Judy's pioneering spirit and legacy. Guest editors are Daniel Ariztegui, Stefano Bernasconi, Monica Sanchez Roman, and Crisogono Vasconcelos.

For more information on this special issue and how to submit your paper, please [click here](#). The submission deadline is 30<sup>th</sup> March 2025.



## Call for Papers: Carbonate depositional environments: Past and future questions—A Tribute to the career of E.A. Shinn

We are honoring Gene's career and contributions with a special issue of the *Depositional Record*. We envision an issue that devotes space to both overviews of the state of knowledge and technical contributions on current research on those problems Gene found most interesting and vexing, including the origin of whittings, modern dolomite, stromatolites, beachrock, coral reef demise, karst and carbonate aquifers, deepwater reefs, carbonate island development and paleoshorelines and sea-level change. Guest editors are Lee Kump, Miquela Ingalls, and Albert C. Hine.



For more information on this special issue and how to submit your paper, please [click here](#). The submission deadline is 15<sup>th</sup> December 2024.

## Basin Research Current Issue (September - October 2024)



Palaeogeography and 3D variability of a dynamically uplifted shelf: Observations from seismic stratigraphy of the Palaeocene East Shetland Platform

*Lucas Albanese Valore, Tor Oftedal Sømme, Stefano Patruno, Cécile Robin, François Guillocheau, Christian Haug Eide*

Late Palaeozoic structural evolution of the Patch Bank Ridge and Utsira High, northern North Sea

*M. S. Bauck, J. I. Faleide, H. Fossen, M. Hassaan, A. Braathen*

Sedimentology and structure of the Paleogene Nummulitic series of Corsica: Reconstruction of the southern termination of the western Alpine foreland basin

*Caroline Van de Vyver, Cédric Carpentier, Mary Ford, Jaume Vergés, Mihaela Melinte-Dobrinescu*

Unravelling tectonic and lithological effects on transient landscapes in the Gulf of Corinth, Greece

*Ziqiang Zhou, Alexander C. Whittaker, Rebecca E. Bell, Gary J. Hampson*

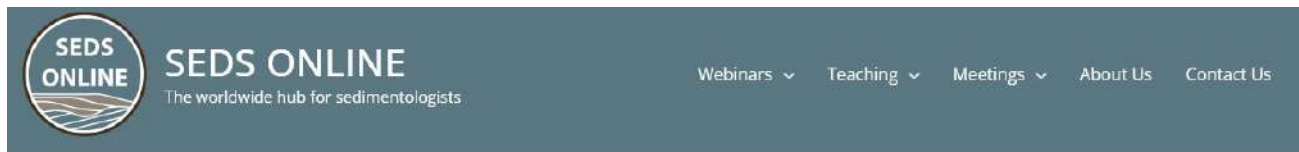
Sediment flux variation as a record of climate change in the Late Quaternary deep-water active Corinth Rift, Greece

*Mohamed A. Mohamed, Richard E. L. Collier, David M. Hodgson, Rob L. Gawthorpe, Donna J. Shillington, Martin Muravchik, Dimitris Sakellariou*

Kinematics of rift linkage between the Eastern and Ethiopian rifts in the Turkana Depression, Africa

*Garrett Sullivan, C. J. Ebinger, M. Musila, Mason Perry, E. R. Kraus, Ian Bastow, Becks Bendick*

## Online Resources Supported by the IAS



**Seds Online** is an exciting free initiative that provides an interactive, adaptable, and accessible online platform for anyone with an interest in the field of sedimentology. It welcomes members at any career stage, from both industry and academia. It provides:

- **Free monthly webinars** on the latest sedimentology research (many of which are archived and available for viewing in a **video library**)
- **Opportunities for research students to present their work** in a friendly and enthusiastic forum.
- **Virtual “coffee breaks”** where sedimentologists can informally chat and interact.
- **Teaching resources and virtual conferences**

Find out more at <https://sedsonline.com>

X (formerly Twitter) [@Seds\\_Online](#)

**Carbonateworld** is an online atlas with more than 800 images covering an extensive spectrum of carbonate textures, grain types, diagenetic features, depositional environments, and case studies.

The images are organised in categories and subcategories (e.g., carbonate rock classification, skeletal grains, ooids, corals, burial diagenesis etc.) and frequently updated with new material.

<https://carbonateworld.com/>



Carbonateworld  
A Web Tutorial for the  
Petrographic Analysis of  
Carbonate Rocks

START EXPLORING



Carbonate Petrography Atlas

The online petrography atlas offers a wide range of explanatory diagrams and photomicrographs (currently more than 600 images) covering an extensive spectrum of carbonate textures, grain types, diagenetic features, depositional environments and case studies.

**Carbonate Rock Classification**

This section introduces the comprehensive and classification diagram of carbonate rocks and displays sets of images for each carbonate rock type.

**Non-Skeletal Grain types**

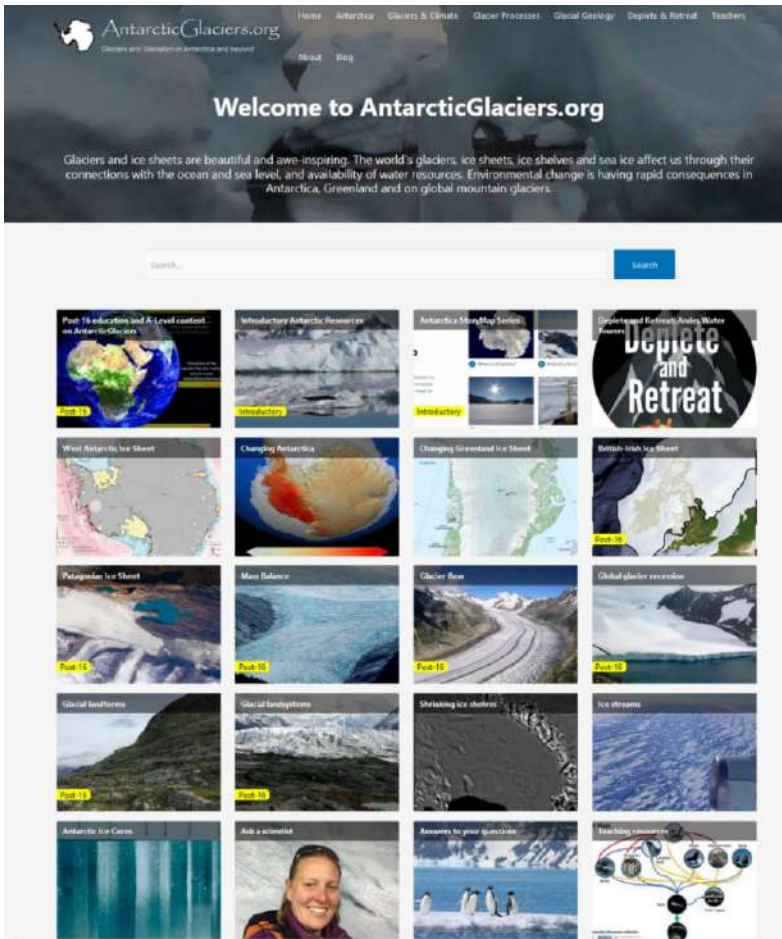
This section presents a wide range of non-skeletal carbonate grain types.

**Skeletal Grain types**

This section presents a wide range of skeletal carbonate grain types.

**Carbonate Rock Diagenesis**

This section includes various examples of carbonate diagenetic products ranging from antracite, melanosite, burial diagenesis to dissolution and porosity types.



**Antarctic Glaciers** is a fabulous resource for anyone interested in global glacial processes, landforms, and sedimentology – despite the name, this site extends way beyond Antarctica. It includes a wealth of educational resources, information on climate change and sea level rise, Antarctic data sets, a blog and opportunities to “ask a scientist” about anything to do with Antarctica and glacial systems.

<https://www.antarcticglaciers.org/>

The **Tidalites Scientific Group** is a loose association of individuals who are specifically interested in the dynamics of the water-level variations and water fluxes that are generated by tides, and also in the morphological features of modern and ancient sedimentary



deposits that are produced by tidal currents. The community is represented by academia, research centres, government agencies, industry, and other institutions, with scientific or professional interest in Tidal Dynamics and Sedimentology of modern and ancient environments.

Among the activities the Group aims to promote are the endorsement of thematic conferences, seminars, laboratory activities, PhD opportunities and annual field courses focused on modern and ancient tidal environments, including the organization of the Tidalites congress every four years.

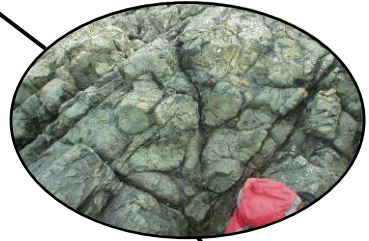
The IAS supports the Tidalites initiative by promoting its activities and welcoming proposals for publications arising from its events. Joining the Tidalites community is free – please follow [this link](#) to subscribe.





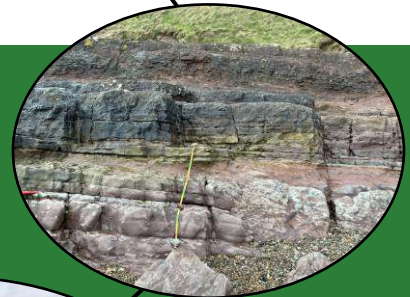
# 11<sup>th</sup> IAS International Summer School of Sedimentology 2025

July 4<sup>th</sup> –12<sup>th</sup>, 2025



## NW Wales: 800 Ma of Earth History in 800 km<sup>2</sup>

[j.baas@bangor.ac.uk](mailto:j.baas@bangor.ac.uk)



# 11<sup>th</sup> IAS International Summer School of Sedimentology 2025

## NW Wales: 800 Ma of Earth History in 800 km<sup>2</sup>

Travelling back in time is not possible but studying the world-class geology of NW Wales (including GeoMôn UNESCO Global Geopark) is the next best thing. This course will give you access to 800 million years of sedimentary history in an active plate-tectonic context, with similarities to modern subduction zones in SE Asia, all easily accessible in only 800 km<sup>2</sup> and covering a full range of climate zones.

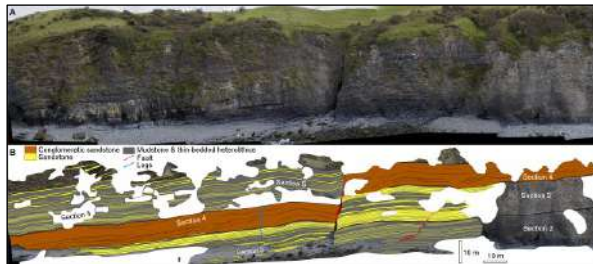
You will study various fluvial, shallow-marine, deep-marine, carbonate, and hydrothermal vent deposits, as well as subrecent glacial landforms.

You will 'join a ride' with the Avalonia landmass on its journey from the southern to northern hemisphere during the Precambrian to the Last Glacial Maximum — a trip through tropical, arid, temperate and polar climate zones.

You will evaluate depositional models and their external controls of sea level, tectonics and climate.

NW Wales is proactive in helping to achieve the energy transition. You will learn about the role of geology in clean energy generation (wind, tidal), nuclear power, net zero targets, and critical mineral extraction.

The next Summer School is in 2027, so apply now or you may lose eligibility!



## Organisers

Dr Jaco H. Baas (Bangor University)  
Dr Megan Baker (Durham University)  
Dr Dei Huws (Bangor University)  
Dr Stephen Lokier (University of Derby)

## Are you eligible?

Open to all IAS postgraduate research student members

## Costs

300 Euro registration fee (contributing to accommodation and meals)  
Travel grants available from IAS for participants

## What do you need to apply?

Motivation statement  
Statement of support from your research supervisor  
Proof of enrolment as postgraduate student  
Up-to-date curriculum vitae  
Apply via your member profile on the IAS website

## Key dates

Application deadline: 30/11/24  
Notification of acceptance: 01/01/25  
Fee payment deadline: 01/05/25  
Summer School: 04/07–12/07/25

## Contact details

[j.baas@bangor.ac.uk](mailto:j.baas@bangor.ac.uk)

