

The Newsletter of the International Association of Sedimentologists



Issue 9, 2021

Dear IAS Members,
Welcome to the September issue of the IAS Newsletter.

We all have a lot going on at this time of year but don't forget to get you applications in for the various IAS grants, the deadline is the 31st September. This month, we also open the call for the IAS awards – there are 5 awards for which we are seeking nominations – the Sorby Medal, Johannes Walther Award, Early-Career Scientist Award and Sun Shu Prizes (x2). The nomination procedure is very simple – if you have a colleague you feel is deserving of recognition by the IAS, then please do invest the few minutes needed to put their name forward for consideration by our selection committees.

Stephen Lokier, *General Secretary*

Breaking News!

The Depositional Record will receive its first Impact Factor in 2022

The IAS still pays the APC for papers accepted in The Depositional Record but this will not last forever. Get those submissions in soon!

The Depositional Record is a fully open access journal publishing high quality articles from across the field of Sedimentology. The journal covers all timescales, from Ancient to Modern, 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.



Article publication charges are still fully covered by the IAS but this will have to change soon, so [submit your paper today!](#)

Follow the IAS on Social Media

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

[@sedimentology](#) and IAS沉积学之家



Call for nominations for the:

IAS Sorby Medal
IAS Johannes Walther Award
IAS Early-Career Scientist Award
IAS Sun Shu Prizes

We are delighted to open the call for nominations for the [Sorby Medal](#), [Johannes Walther](#), [Early-Career Scientist Awards](#) and [Sun Shu Prizes](#) of the IAS.



The 2018 Sorby Medal was awarded to Luis Pomar

The Sorby Medal is the highest award of the International Association of Sedimentologists. It is awarded to scientists of eminent distinction in sedimentology. The Sorby Medal is awarded once every 4 years, at the occasion of the International Sedimentological Congress (ISC).



Or Bialik, winner of the 2020 Early Career Scientist Award

The IAS Early-Career Scientist Award is awarded to recognise contributions and potential of outstanding early-career scientists working in any area of sedimentology. The award is also given once every 2 years.

Emmanuelle Vennin, recipient of the 2020 Johannes Walther Award



The Johannes Walther Award is awarded to scientists at any stage in their career who are considered to have made a significant impact in the field of sedimentology. The award is given once every 2 years.



Huaichun Wu, Winner of the Sun Shu Prize China, 2020

Alex Brasier, Winner of the Sun Shu Prize International, 2020

The IAS Sun Shu Prizes are awarded to recognise outstanding work in the field of sedimentology. The prizes are awarded every two years to a Chinese scientist (SUN SHU Prize China) and an international scientist (SUN SHU Prize International).

Application deadline for all awards is **1st December 2021 24h00 Brussels Time (CEST, UTC+2)**.

Full details of all prizes, together with nomination guidelines can be found [here](#).

Last call – Applications for Institutional Grants (Fall 2021 Session)

Twice a year, IAS awards an **Institutional Grant** of maximum 10,000 Euro, which is intended to support capacity building initiatives in less developed countries (LDCs). Grants will allow earth science departments in LDCs to acquire durable sedimentological equipment for teaching and research, or tools that can be used by all geology students. The grant application should thus clearly demonstrate how the grant will increase the recipient's capacity to teach sedimentology at undergraduate level in a sustainable way.

Applications have to be submitted via the [IAS website](#). Application deadline for the Fall 2021 Session is **30th September 24h00 Brussels Time (CEST, UTC+2)**.



More information about the Institutional Grant Scheme and guidelines on how to apply can be found on your membership profile.

The 21st International Sedimentological Congress, Beijing 2022



The 21st International Sedimentological Congress will be held in Beijing between the 22nd and 26th August 2022 – get the dates into your diary. [Visit the website for full details.](#)

This promises to be a truly exceptional meeting with a plethora of exciting, once-in-a-lifetime fieldtrips on offer.

The Journals of the IAS

For a quick overview of the latest issues of **Sedimentology**, **Basin Research** and **The Depositional Record**, follow these links:

- **Sedimentology**: directly at [Wiley](#) or via the [IAS website](#)
- **Basin Research**: directly at [Wiley](#) or via the [IAS website](#)
- **The Depositional Record**: directly at [Wiley](#) or via the [IAS website](#)

All of the journals of the IAS are active on Twitter. Stay up to date on the latest news and papers in @sedimentology by following the IAS journals: @JSedimentology, @DepositRecord, @BasinResearch.



The Depositional Record
@DepositRecord



Sedimentology
@JSedimentology

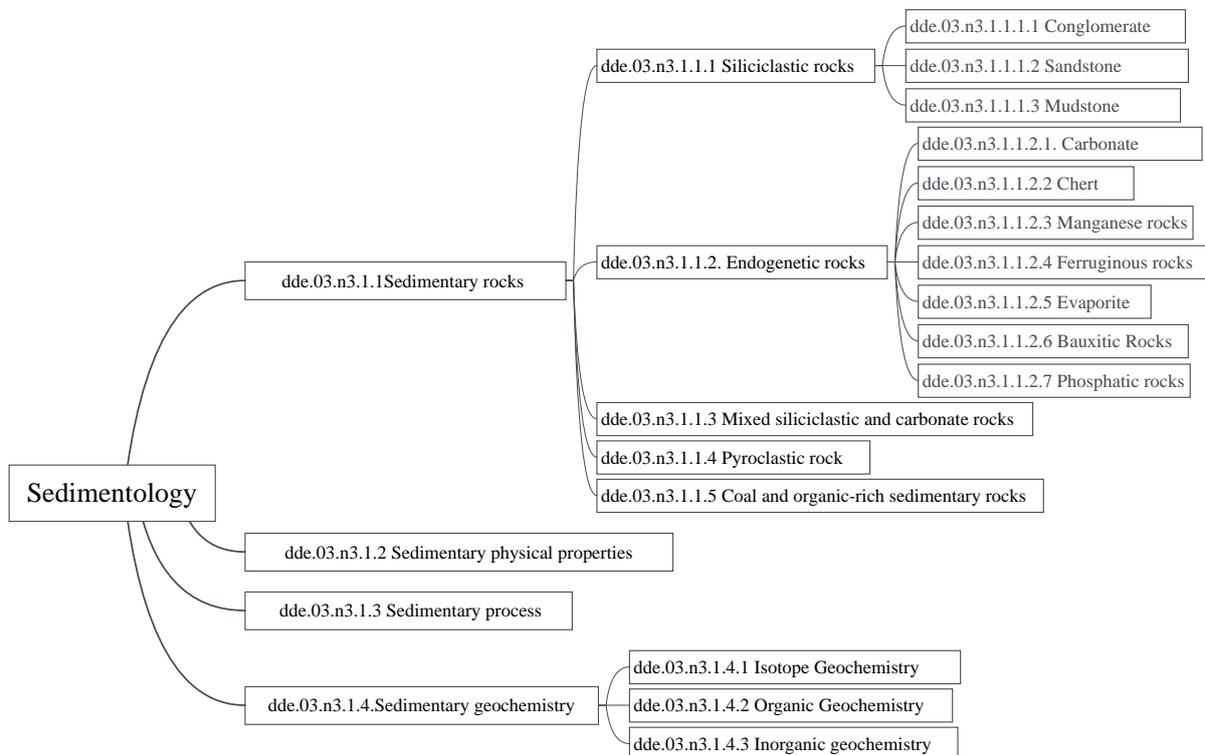


Basin Research
@BasinResearch

Get involved in the Deep-Time Digital Earth (DDE) Program

This document is a call for engagement by the sedimentological community in an important initiative for the Earth Sciences, the Deep-Time Digital Earth (DDE) Program (<https://www.ddeworld.org>). IAS is a founding and contributing organization for DDE, and the science of sedimentology is represented in the organizational structure of DDE by the Sedimentology Working Group (SWG). The SWG is charged with developing the information systems necessary for the integration of data on sedimentological topics into the overall DDE data framework, thereby contributing towards the broader aims of the DDE. DDE aims to build a global, open-access database including sedimentological and stratigraphic information. Other working groups cover paleontological data, to name one example. We seek to broaden the membership of the SWG and invite sedimentologists from around the world to participate in this process. This is an opportunity to be part of a major global initiative under the auspices of the International Union of Geological Sciences (IUGS), and it is expected that active participants will be invited and supported to attend future meetings organized by the DDE.

Over the past 18 months, a large group, mainly in China has been working to construct the elements of the Sedimentology Knowledge System, which aims to codify all elements of sedimentological information into a hierarchical classification system for use by the project in developing its central database. The ultimate aim is to allow large-scale data mining and analysis using artificial intelligence and machine learning capabilities linked to cloud computing facilities. Each of the 18 constituent documents was recently reviewed in draft form by two scientists. The plan for the formalization of the Knowledge System calls for a scientific audit of the documents by international scientists, and we now seek community involvement in this process. Each of the 18 constituent documents should be reviewed by a minimum of two referees. Given that the Chinese members of the SWG were to a considerable extent involved in the initial construction and audit of these documents, they excused them from this current task.



Each document is of a similar length to a scientific paper to a geological journal but is somewhat easier to read than such a paper because each primarily documents a hierarchical classification scheme on a specific topic. A total of 18 topics cover all types of sedimentary rocks and also sediment-hosted organic and ore deposits. Each rock type is dealt with in one document. Other than that, documents on sedimentary processes and inorganic and organic sedimentary geochemistry should be reviewed too.

As the SWG, we now need to execute the scientific review of these documents, and I invite anyone interested to become involved. Please contact me if you are willing to review one or more of the documents. Documents should be reviewed for 1. Accuracy, 2. Completeness, and 3. Fitness for the purpose (which is to facilitate the entry of sedimentological data into an integrated database that can be globally accessed and interrogated using machine learning, artificial intelligence, and other data analysis techniques). Because DDE wishes to be a truly international project and to strive for gender and other forms of equity in engagement, we seek to be broadly inclusive.

Members of the community interested to contribute to the building of this global database should please contact Chris Fielding, DDE Sedimentology Working Group Leader, University of Connecticut, USA (christopher.fielding@uconn.edu). Please send an informal email briefly describing your background and interests.

Last call – Applications for IAS Post-Doctoral Research Grants (Fall 2021 Session)

IAS Post-Doctoral Research Grants are intended as a seed to assist Early-Career post-doctoral researchers in either establishing a proof of concept, in order to support applications to national research funding bodies, or to fund areas of a project that were not included in the original project scope.

Up to 4 grants, each to a maximum of €2,500, are awarded twice per year to Early Career IAS members.

The application requires submission of a research proposal with budget and CV (template provided on the [submission webpage](#), and a letter of support from the researcher's supervisor, line manager or Head of School. More details about the application procedure can be found on your membership profile.

Application deadline for the Fall 2021 Session is **30th September 24h00 Brussels Time (CEST, UTC+2)**.

Eligibility:

- Applicants must be full members of the IAS.
- Applicants must have secured their Ph.D. within the previous 7 years.
- Applicants can only benefit from a Post-Doctoral grant on one occasion.



Last call – Applications for the Judith McKenzie Field Work Award (Fall 2021 Session)

The [Judith McKenzie Field Work Award](#) aims to promote sedimentological field observations for the newest generation of Earth Scientists – MSc Students.

Up to 5 awards of €300 each, will be awarded twice per year to IAS student members. Since the award is only available for MSc students, proof of student status will be required. The awardee shall also receive a one-year IAS student membership, upon submission of their MSc thesis.

Applicants should apply for the Judith McKenzie Field Work Award via the [IAS website here](#). The application requires submission of a grant proposal (written by the student) with budget and CV (template provided on the submission webpage), and a signed letter of recommendation from the student’s supervisor. Application deadline for the Fall 2021 Session is **30th September 24h00 Brussels Time (CEST, UTC+2)**.

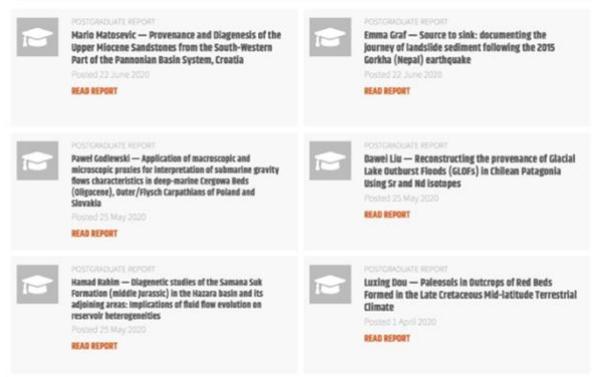


IAS Grant Reports

The IAS supports postgraduate and post-doctoral researchers via our various grant schemes.

At the end of this Newsletter you will find some of the latest grant reports received by the IAS.

You can also read recent and past Grant Reports from IAS members who have benefited from [Post-Doctoral](#) or [Post-Graduate](#) grants [here](#).



IAS Regional Correspondents



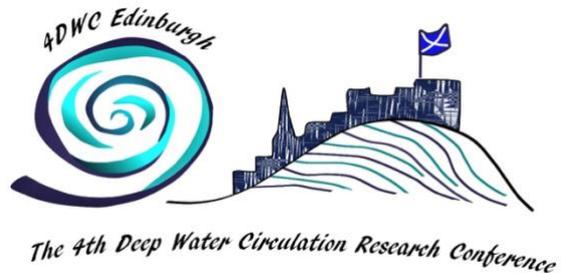
IAS [Regional Correspondents](#) are your local hotline to the IAS.

Check out the [News Feed](#) to see what is happening in your local community. At this link you will also be able to select your correspondent and even elect to receive information from multiple correspondents. IAS [Regional Correspondents](#) are IAS Members who have volunteered to act as a representative between sedimentologists in

their region and the IAS. If you know of any sedimentology events going on in your region, then please get in touch with your Regional Correspondent and let them know. Similarly, if your region lacks a Regional Correspondent ([see the map here](#)) and you would like to propose an IAS Member (Full or Student), or yourself, for this position then please send an email to the [General Secretary](#).

The 4th deep water circulation research conference

4DWC will be held 7–9th September 2022 in Edinburgh, Scotland. This is the primary meeting for all those interested in this fast-moving and interdisciplinary field – sedimentologists, physical oceanographers, paleoceanographers, economic geologists, and all those with an interest in deepwater systems.



Principal topics of the 4th DWC Research Conference will include:

- Contourites – modern and ancient, shallow-water and hybrid systems, carbonates and clastics, ichnofacies, microfacies and fabric.
- Bottom currents – complexities and controls, eddies and benthic storms, downslope-alongslope process interaction, internal tides and seafloor measurements.
- Process interaction – downslope and alongslope processes, hybrid deposits.
- Gateways and controls – sediment budgets, contourite cyclicity, deepwater organic carbon.
- Seismics and subsurface – sequence stratigraphy, petrophysics and image logs.
- Significance – paleoceanography and climate, slope stability and tsunamigenesis, reservoirs and source rocks, bio-diversity and socio-economic impact.

FIELD TRIPS: Post-conference field excursion to Cyprus to examine the world's foremost field analogue, Oligo-Miocene contourites, as well as to visit the Troodos ophiolite and pristine archaeological sites. Pre-conference excursion: Hutton's Unconformity.

PUBLICATION: There will be a *Marine Geology Special Issue* on contourites, in association with 4DWC, due to be published in late 2021.

VENUE: The Royal Society of Edinburgh in the heart of Edinburgh's city centre, a UNESCO World Heritage Site, and Heriot-Watt University, Riccarton Campus.

In anticipation of this event, there is a **free online event: 'Signpost to 4DWC Edinburgh 2022'**, which takes place on **Tuesday 12th October 2021 at 17:00 UK time**, hosted by Seds Online. The confirmed speakers are listed below:

- Prof. Dorrik Stow (Heriot-Watt University)
- Prof. Dr. Elda Miramontes (University of Bremen)
- Henriette Wilckens (University of Bremen)
- Dr. Mike Clare (NOC Southampton)
- Prof. Francisco J. Hernández-Molina (Royal Holloway, University of London)

Please consider attending this event. Details of how to sign-up can be found at:

<https://4dwc.hw.ac.uk/signpost-to-4dwc-edinburgh-2022/>

The final program will be confirmed and distributed in due course.

On behalf of the conveners and the scientific committee, we look forward to welcoming you at both events (whether that be online, or in-person).

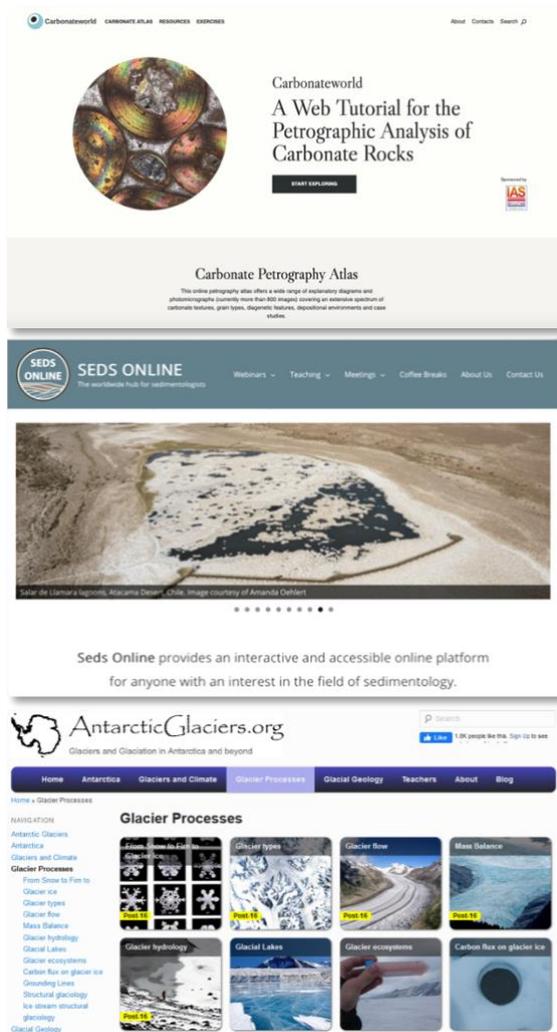


The 4th Deep Water Circulation Research Conference
Edinburgh, 07 - 09 September 2022



Online resources sponsored by the IAS....

The IAS proudly sponsors several online resources.



Carbonateworld is an online atlas containing 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 are frequently updated with new material.

<https://carbonateworld.com/>

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

<https://sedsonline.com>: Twitter [@Seds Online](https://twitter.com/SedsOnline)

The **Antarctic Glaciers website** is a fabulous resource for anyone interested in global glacial processes, landforms and sedimentology – despite the name, this site goes way beyond Antarctica!

www.AntarcticGlaciers.org

Don't miss out on all that the IAS has to offer - RENEW TODAY!

The IAS is the home of Sedimentology.

We are very proud of our ability to keep our membership fees so much lower than most other professional societies.

You can find a complete list of the benefits of membership of the IAS [website](http://www.ias.ac.uk).

You may also consider becoming a full member for 5 years at a cost of only €100 – effectively getting one year's membership for free. We also offer 'lifelong' membership for just €400.

STUDENT	FULL
STARTING FROM 10€	STARTING FROM 25€ /year
INCLUDED	INCLUDED
Annual membership fee	Annual membership fee
Online Sedimentology Online Basin Research Online Special Publications (5+ years)	Online Sedimentology Online Basin Research Online Special Publications (5+ years)
Travel Grants Postgraduate Grants J. McKenzie Field Work Award Conference Sponsorship Request	Post-doctoral Grants Institutional Grants Conference Sponsorship Request
Printed Sedimentology at favourable rates Reduction for IAS Conferences Printed thematic books discounts	Printed Sedimentology at reduced fee Reduction for IAS Conferences Printed thematic books discounts
Special Lecture Tour hosting	Special Lecture Tour hosting
Newsletter Contributed Content Members Directory	Newsletter Contributed Content Members Directory
OPTIONAL	OPTIONAL
Printed Sedimentology +20€ Online Petroleum Geology +45€ Online + Printed Petroleum Geology +50€ Friendship Scheme Sponsor +15€	Multiple years membership at reduced fee Lifelong membership at reduced fee Printed Sedimentology +20€ /year Online Petroleum Geology +45€ /year Online + Printed Petroleum Geology +50€ /year Friendship Scheme Sponsor +15€ /year

Last call – Applications for Post-Graduate Research Grants (Fall 2021 Session)

Up to **10 research grants**, each to a maximum of €1,000, are awarded twice a year to **IAS Post-Graduate Student Members**. This grant scheme is designed to support PhD students in their studies and research. Post-Graduate Research Grants can be used to (co-)finance fieldwork, acquisition and analysis of data, visits to other institutes to use specialized facilities, etc.

Applications must be submitted via the [IAS website](#).

Application deadline for the Fall 2021 Session is **30th September 24h00 Brussels Time (CEST, UTC+2)**.

More information about the Post-Graduate Grant

Scheme and guidelines on how to apply can be found on your membership profile.

