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President's Column:

By Emily C. Wild

Thank you for your patience as we continue to deal with the conditions surrounding the pandemic. The committees are behind this year as people are continuing to renew their memberships and(or) join GSIS. I will be finalizing the list of newly interested in volunteer involvement, as well as those that are no longer available, for GSIS activities soon and will keep you updated. Please contact me if you are interested in participating in a volunteer position within the society.

For those that have volunteered your time to GSIS activities – thank you – especially, Amanda Bielskas and Michael Noga for continuing to volunteer as GSIS Newsletter Editors; Monica Pereira for stepping up to be the new VP, yay!, and planning a very challenging upcoming conference – we look forward to an exciting program!; Jenna Thomson for volunteering for Secretary; Bridget Thrasher for continuing as Treasurer; Cynthia Prosser for staying on as Past President; Wynn Tranfield and Richard Stringer-Hye for updating and maintaining our GSIS web pages as the Webmasters; Shaun Hardy for continuing to volunteer as Publicity Officer, as well as the Registered Agent for our GSIS incorporation status; Elise Gowen for stepping up this year to be the new GSA Topical Session Convener – we look

forward to an exciting program!; Clara McLeod for continuing to serve as the Coordinator of the Geoscience Librarianship 101 workshop and Stephanie Earls as Co-Convener for the Geoscience Librarianship 101 workshop; and all of you that have stepped up to carry the GSIS information relay torch when we all needed a pickup!

A quick update for the GSIS Geologic Time – thank you all for taking the time to drop-in to our informal discussions. As work environments return to normal and to respect everyone's time, we are updating the GSIS Geologic Time to be the book club meetings for the rest of the year. The next meetings will be:

July 26, 2021 – Discussion Lead, Cynthia Prosser

A Short History of Nearly Everything:

<https://www.penguinrandomhouse.com/books/20549/a-short-history-of-nearly-everything-special-illustrated-edition-by-bill-bryson>

[Continued on page 3]

Geoscience Information Society 2021 Officers

President

Emily Wild
Chemistry, Geosciences and Envi Studies Librarian
Lewis Science Library
Princeton University
(609) 258-5484
ewild@princeton.edu

Vice President (President-Elect)

Monica Pereira
Head of Collection & Resource Management
California State University Channel Islands
John Spoor Broome Library
One University Drive
Camarillo, CA 93012
Phone: (805) 437-3654
e-mail: monica.pereira@csuci.edu

Immediate Past President

Cynthia L. Prosser
Physical Sciences Librarian
Science Collections and Scholarly Communication
Science Library
University of Georgia Libraries
Athens, GA 30602
Phone: (706) 542-0155
e-mail: cprosser@uga.edu

Secretary

Jenna Thomson
A.C. Bennett Library
Simon Fraser University
8888 University Drive
Burnaby, BC V5A 1S6
Phone: (778) 782-6865
e-mail: jennat@sfu.ca

E-mail List Moderator:

<https://lists.princeton.edu/cgi-bin/wa?A0=Geonet>
Moderator: Emily Wild e-mail: ewild@princeton.edu

Publicity

Shaun Hardy
Carnegie Institution for Science
DTM-Geophysical Laboratory Library
5241 Broad Branch Road, N.W.
Washington, DC 20015
Phone: (202) 478-7960
e-mail: shardy@carnegiescience.edu

Treasurer

Bridget Thrasher
Earth & Environmental Sciences Librarian
Civil & Environmental Engineering Librarian
Branner Earth Sciences Library & Map Collections
397 Panama Mall, MC: 2211
Stanford University
Stanford, CA 94305
Phone: (650) 736-2131
e-mail: bthrasher@stanford.edu

Web Site: <http://www.geoinfo.org/>

Webmaster(s)

Rick Stringer-Hye
email: richard.s.stringer-hye@Vanderbilt.Edu
Wynn Tranfield
email: wynntranfield@library.ucla.edu

Newsletter Co-Editor(s)

Amanda Bielskas
Columbia University Libraries
401 Northwest Corner Building
550 West 120th Street
New York, NY 10027
Phone: (212) 854-6767
e-mail: asb2154@columbia.edu

Michael Noga
MIT Libraries (retired)
e-mail: mnoga@mit.edu

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[Continued from page 1 President's Column]

August 16, 2021 – Discussion Lead, Emily Wild

Timefulness: How Thinking Like a Geologist Can Help Save the World

<https://press.princeton.edu/books/hardcover/9780691181202/timefulness>

To Register for GSIS Geologic Time : <https://princeton.zoom.us/meeting/register/tJEud--sqTwsE9PuGiw7OsCQPilftFrPWOC>

I wish you all an enjoyable and safe summer with your family and friends,

Emily C. Wild

GSIS Nominations and Elections

Interested in helping to chart the course of GSIS?

Want to simply be more involved?

Looking for a resume booster?

Interested in the behind-the-scenes work?

If so...

The call for nominations to serve on the Board

Coming later this summer!

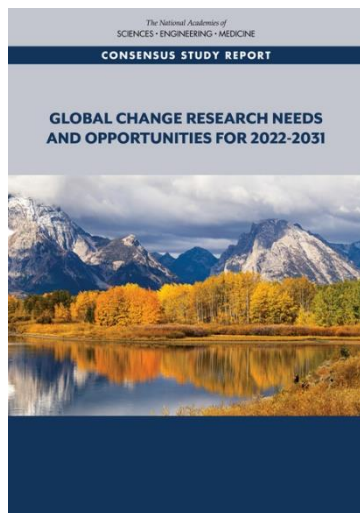


The GSIS Social Media Committee has re-invigorated the GSIS Facebook page. We have been trying to post some interesting things that might be of interest but that are more casual or would be the type of thing you might say to someone – “Hey, did you see this?”. Please join us and/or watch for a more formal announcement about it on [GeoNet](#).



Review: Global Change Research Needs and Opportunities for 2022-2031 by The National Academies of Sciences.

By Chris Badurek



National Academies of Sciences, Engineering, and Medicine 2021. Global Change Research Needs and Opportunities for 2022-2031. Washington, DC: The National Academies Press. <https://doi.org/10.17226/26055>. 102 pages.

Global climate change research is one of the most popular research topics among undergraduates studying geoscience or environmental science. What are the new directions in global climate change research that would make research papers and theses the most current or forward looking? The answers to these questions are found in this latest report published by the National Academies of Science Press. The report includes recommendations for future research directions in climate change research led by the US Global Change Research Program over the next decade with relevance to not only academia but also federal government programs meeting the climate crisis.

The US Global Change Research Program is a coordinated effort by federal agencies established by the Global Change Research Act (1990) and is comprised of over ten federal agencies with responsibility for climate research activities. This report is a summary of recommendations by the National Academies Committee to Advise the U.S. Global Change Research Program. The Committee is comprised of a mix of leading authorities from academia, business, and the non-profit sectors. The primary goal of the Committee's report is to provide feedback and guidance to the US Global Change Research Program as it plans for the next decade.

The main recommendations are provided over five chapters and center on a move towards a risk-framing approach to climate research and integrated research approaches often referred to as coupled human-natural systems. Coupled human-natural systems research approaches study interactions between physical climate, human systems, and ecological systems. In addition, the Committee makes specific recommendations to direct research to the following “five crosscutting areas: (1) extremes, thresholds, and tipping points; (2) regional- and local-scale climate projections; (3) scenario-based approaches; (4) equity and social justice; and (5) advanced data and analysis frameworks” (NAS 2021, p. 7). Chapter 5 on Crosscutting Research and Data Priorities includes recommendations on greater investment in data resources, processing methods for ‘big data’, improved analytical methods, and innovation in data visualization approaches. Finally, the Committee calls for greater efforts to increase diversity, equity, and inclusion amongst the scientists and workforce involved in climate change research activities broadly across the federal government.

Overall, this report provides a concise digest of future research priorities by federal government agencies as well as a useful bibliography of literature that inspired the Committee discussion. As usual for the National Academies Press, this volume is available as a free downloadable PDF or as print/ebook copy for purchase. I highly recommend this short volume as a useful resource primarily for undergraduate and masters level students who are looking for research topics that address the current state of thinking on climate change and future pressing research needs.

CALL FOR NOMINATIONS: GSIS Best Research Resource Award

The GSIS Best Research Resource Award Committee is gearing up and making this call seeking your nominations for the annual Mary B. Ansari Best Research Resource Award for the best geosciences research resource publication or website. The award recognizes geoscience research resource works or works focused on information aspects of the geosciences. So, please nominate your favorite new research resource work for the 2021 Best Research Resource Award. Since 2016, the Best Website award has been rolled into this award, so if there's a great website you're aware of, feel free to nominate it.

Submissions will be evaluated using the following criteria:

- The work must have been published or produced within 3 years preceding the GSIS 2021 annual meeting (2019-2021).
- The title does not have to strictly be "geoscience" but it should have significant value to the geoscience information community.
- Local or specialized works can be considered if they are particularly high in quality and could serve as a model for other works.
- Formats other than monograph and webpage may be considered, for example tweets, online communities, maps, databases, etc.
- Any works nominated should be in a generally useable format (DVD, online, etc.), be generally available for purchase by libraries, and, theoretically, have a stable future.
- Although no work is specifically excluded from consideration, textbooks or monographs in geoscience or library/information science would not normally be considered.

Please send nominations to the chair of the committee by July 16, 2020.

Thank you for nominating your favorite research resource work!

Rusty Kimball - Chair, rkimball@tamu.edu

Amanda Bielskas, Columbia University, asb2154@columbia.edu

Chrissy M. Klenke, University of Nevada, cklenke@unr.edu

Jo Klein, University of North Carolina Greensboro, ejklein@uncg.edu

Fred Stoss, SUNY University at Buffalo, fstoss@buffalo.edu

Open Call for 2021 GSA Technical Session Proposals! Due: July 20th!

Hello all. We have exciting news for the new GSA conference and GSIS technical session. This year's conference will be held in-person in Portland, OR, 10-13 October 2021, but will allow for some virtual presentations as well.

Submissions are due July 20, 2021:

<https://community.geosociety.org/gsa2021/home>

The Geoscience Information Society (GSIS) is holding two topical sessions this year, one for oral presentations and one for posters:

T169. Discovery and Preservation of Emerging Research Output Formats in the Geosciences (Posters)

This poster session examines emerging forms of scholarly output in the geosciences and related challenges and opportunities. Posters highlighting innovative methods of preservation and access of formats for data, learning objects, software, multimedia, immersive experiences, and more, are welcome.

T170. New and Emerging Research Output Formats in the Geosciences

With the increasing diversity of mediums and formats used to access and disseminate research, the oral session discusses best practices for the management, preservation, and access of emerging forms of research outputs.

This session will provide an outlet to discuss subjects such as, but not limited to, collection development, geospatial information, data management, and(or) scholarly communications. We welcome oral papers about programs, projects, interdisciplinary research, and findings related to geoscience data and information, and look forward to abstract submissions from informational professionals, researchers, and students.

If you have any questions, please contact Elise Gowen at edg16@psu.edu.

Musings:

By Michael M Noga

Recently, I heard a story about COVID history in China. I learned that a investigation committee member searched the Chinese dissertation and Masters thesis database from CNKI and then put the thesis text through a translator. I guess that I never knew about the CNKI database, which could be useful in reference.

You can use ProPublica's Nonprofit Explorer to find out information about societies and other nonprofits from their 990 forms. The latest seem to be from 2019, but other years are available. I used the Nonprofit Explorer in my last year at MIT.

I look at the book shelves whenever I go to Costco. Only 10 hardcover nonfiction books are usually available. I was surprised to find a geology book last month, "A Brief History of Earth," by Andrew H. Knoll (Fisher Professor of Natural History at Harvard). It's on my reading list for July.

A recent tweet on Academic Twitter mentioned an editorial about reviewers called "A letter from the frustrated author of a journal paper." The Journal of Systems and Software 54(2000) I. It describes the process the authors endured to publish their paper. I quote:

One perplexing problem was dealing with suggestions 13-28 by reviewer B. As you may recall...the reviewer listed 16 works that he/she felt we should cite in this paper. These were on a variety of topics, none of which had any relevance to our work that we could see. Indeed, one was an essay on the Spanish-American war from a high school literary magazine...To handle this..we have added..a subsection entitled "Review of Irrelevant Literature."

Perhaps a Review of Irrelevant Literature could be a regular feature for authors who want to build up citation counts.

I use both the county and city public library systems in my retirement. I learned that the county library branches keep books that were borrowed from other branches. Since I usually drop off books at different county branches, I am, in effect, rearranging their holdings. The reason for the county library's policy is to reduce the amount of time a book is off the shelf through transit to another branch. In a sense, I feel that I am still involved in collection development.



Communications Earth & Environment

Website: <https://www.nature.com/commsenv/>

Communications Earth & Environment is a new gold OA journal from Springer Nature. It publishes primary research, reviews, and commentary in all areas of the earth, environmental, and planetary sciences. While emphasizing “high-quality research” the journal applies “somewhat less stringent criteria for impact and significance than the Nature-branded journals, including *Nature Communications*.” Since posting its first content online in August 2020 *Communications Earth & Environment* has published 177 articles. Content is published under a CC BY license. The APC for authors in the Americas is \$2790.



Geoscience Communication

Website:

<https://www.geoscience-communication.net/>
Geoscience Communication has been around since 2018, but has had a low profile compared with other European Geosciences Union journals. It is not currently indexed in Scopus or Web of Science, and GeoRef includes only one reference out of the 70-plus articles that have appeared in the journal. Its unique scope focuses on geoscience education, geoscience public engagement, geoscience policy, history and philosophy of geosciences, open geoscience, and citizen science. Like all EGU journals published on the Copernicus platform,

Geoscience Communication uses a two-stage, interactive public peer review process. Submissions that pass a rapid access peer review are posted immediately as discussions on the *Geoscience Communication Discussions* website, where they are open to public comment. After subsequent revision the final manuscript undergoes editorial evaluation and, if accepted, is formally published as an article. The journal has received the DOAJ Seal in recognition of its high publishing standards and best practices. It uses CC BY licensing. Article processing charges are currently being waived.

Regional Geoscience Journals: The following English-language journal focused on regional geoscience research was added recently to the Directory of Open Access Journals.

Jambura Geoscience Review (Department of Earth Science and Technology, Universitas Negeri Gorontalo, Indonesia) – <http://ejournal.ung.ac.id/index.php/jgeosrev/index>

OA developments at AGU: On June 29 the American Geophysical Union announced that *Geochemistry, Geophysics, Geosystems* (“G-Cubed”) will change to gold Open Access next January. G-Cubed was AGU’s first online-only journal when it was launched in 2000 and will become AGU’s 8th gold OA journal. In announcing the changes AGU cited its concerns for equity of access and inclusion for researchers worldwide and also the desire to make it easier for authors who have OA funder requirements to continue to publish in the journal. G-Cubed will offer CC-BY and CC-BY-NC-ND license options. In a related change, AGU announced it will eliminate excess page charges for all of its OA journals in July and begin charging a flat (albeit slightly increased) APC for each. For G-Cubed the APC will be \$2750. Fees for others will range from \$2000-\$2600 for their gold OA journals and \$2700-\$3600 for their hybrid journals. (<https://fromtheprow.agu.org/agus-geochemistry-geophysics-geosystems-g-cubed-journal-to-become-open-access/>)

Register now for the Force11 Scholarly Communications Institute's Earth Science themed course:

Case studies in the Earth Sciences: Current approaches to publishing, data and computation (#T20)

Wynn Tranfield (UCLA) and Sam Teplitzky (UC Berkeley) are leading Session 1, and will be joined by a great set of instructors for the other sessions, listed here:

<https://www.force11.org/fsci/2021/course-list-abstracts#T20>

The full FSCI program runs from 7/26-8/3, but the Earth Science Course sessions take place as follows (all times, Pacific):

Tuesday, July 27

9AM: Session 1: Introduction to Open and Reproducible Practices in Earth Sciences

1PM: Session 2: Your paper is published, it's not the end of the journey

Thursday, July 29

9AM: Session 3: Open Discussion Session/Informal Networking

4PM: Session 4: FAIR Data & Software Citation

5:15PM Session 5: Data Management Plans that ensure FAIR principles

Tuesday, Aug 3

9 AM: Session 6: Collaborative, open geoscience in the cloud with Jupyter and Pangeo

4 PM: Session 7: Introduction to virtual work platforms (using CoESRA)

The course is geared towards graduate students, new and established researchers with a disciplinary focus in Earth Science, Earth Science subject librarians and informationists, informatics support personnel in the Earth and Environmental Sciences.

Registration closes on 7/6/21* Contact steplitz@berkeley.edu with questions.

Contact Sam for more info as registration may have been extended

GSIS Membership renewal reminder!

A reminder that it's not too late to [renew your GSIS membership](#) for 2021.

Thanks to everyone who has already renewed, and if you can't remember if you've done it feel free to email me and I'll look it up!

Not yet a member? Please consider joining this amazing consortia of geoscience information professionals. GSIS is a great resource, whether you're at the beginning of your career or have years of experience.

What are some of the benefits to GSIS membership?

- Networking with other professionals interested in geoscience information
- Opportunities for presenting and publishing your research (annual meeting and proceedings)
- Opportunities for professional service on GSIS committees and taskforces
- Discount on GSA Annual Meeting registration and exhibits
- Access to GSIS Newsletter for latest geoscience information news
- Free, open access to GEONET-L discussion list

Just a reminder:

- **Personal** memberships are available for \$25.
- **First time** memberships are \$20.
- **Student** memberships are only \$10!! **Membership is free** for students if you attend Geoscience Librarianship 101 at our Annual Meeting.
- **Retired members** are eligible for **free**, lifetime memberships. I just ask that you email me at jennat@sfu.ca to confirm that none of your contact information has changed.
- We no longer offer **institutional memberships**.

Please let me know if you have any questions,

Take care,

Jenna Thomson

jennat@sfu.ca

GSIS Secretary



Call for Abstracts
Association of Earth Science Editors 54th Annual Meeting
“Effectively Communicating Geoscience in the Public Sphere”
Columbus, Ohio, U.S.A.
September 29–October 3, 2021

The 54th annual meeting of the AESE, “Effectively Communicating Geoscience in the Public Sphere,” will take place, in-person, in Columbus, Ohio, on September 29–October 3, 2021, at the Hilton Garden Inn–University. The meeting offers two days of technical sessions, a day-long field trip, and numerous opportunities to network with other editors, publishers, educators, and earth-sciences professionals.

This year’s meeting will be hosted by the Ohio Department of Natural Resources, Division of Geological Survey, traditionally referred to as the Ohio Geological Survey. The meeting is open to anyone interested in earth-science editing, publishing, communications, and outreach. The program is in the initial planning stage, but meeting information is now available on the AESE website www.aese.org.

A call for abstracts has just been issued. We invite AESE members and other interested persons to submit an abstract for a talk on earth science editing, communication, publishing, peer review processes or other topics related to earth science. Talks will be allocated 20 minutes. Longer talks will also be considered; please notify us in advance. Please visit AESE’s website for more details.

Deadline for abstract submission is August 1, 2021.

We hope you’ll join us for what promises to be a great meeting.

For more information, please contact host chair Chuck Salmons (Ohio Geological Survey), charles.salmons@dnr.state.oh.us.



Call for proposals ASLI Annual Conference, Jan. 2022 | Deadline is August 3, 2021

The 25th Atmospheric Science Librarians International (ASLI) Conference will be held 23-27 January 2022 in Houston, TX, in conjunction with

the American Meteorological Society's (AMS) Annual Meeting. For this conference, sessions will be in person and virtual. The theme for the 102nd AMS Annual Meeting is "Environmental Security: weather, water and climate for a more secure world." <https://annual.ametsoc.org/index.cfm/2022/about-the-meeting/theme-of-the-ams-102nd-annual-meeting/> With this theme, the AMS has organized the Annual Meeting theme around five environmental security pillars, which are often linked and dependent on one another:

- Extreme weather: national and human security impacts of extreme weather and climatic events.
- Energy security: environmental and security issues associated with ensuring uninterrupted availability of energy sources that are affordable, reliable, and accessible.
- Food security: environmental and security issues associated with the need for consistent physical, social, and economic access to sufficient, safe, and nutritious food that meets people's dietary needs.
- Health security: environmental and security issues associated with minimizing "the danger and impact of acute public health events that endanger the collective health of populations living across geographical regions and international boundaries." (WHO, n.d.: Health security. Accessed Apr. 7, 2020 from <https://www.who.int/health-security/en/>)
- Water security: environmental and security issues associated with a population's capacity to safeguard sustainable access to adequate quantities of acceptable-quality water for sustenance of livelihoods, well-being, and socioeconomic development, and for protecting against threats from waterborne pollution and water-related disasters.

This year ASLI will again include the popular session, "Technology Tools and Tips." These short talks are opportunities to describe any tool or innovation members have found useful. Talks on technology failures and lessons learned are especially welcome, as are proposals from students using innovative strategies around information.

We welcome papers on any aspect of these topics or any other topics of interest to atmospheric science librarianship including best practices, diversity, equity, or inclusion issues, collection development, and addressing innovative methods of providing service during the pandemic.

ASLI will again co-sponsor a Joint Session with the AMS Board (EIP) on Data Stewardship. Papers that describe innovative technological advances, curation and preservation of data, and solutions that help us understand and meet data needs in the field are most welcome.

Please contact the ASLI program chairpersons, Joyce Shaw, (joyce.shaw@usm.edu), Elizabeth Fish (efish@miami.edu), or Chris Sherratt (gcsheerra@mit.edu) if you would like to propose a session topic, panel, or poster for this conference. Please submit presentation proposal abstracts of 200 words or less to the ASLI program chair. In most cases, presentations are 15 minutes with 5 minutes for questions. Longer presentations will be considered, as well. Please include names of authors, their affiliations, and title of the session.