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Vice President's Column:

By Linda Musser

Four webinars were held this year and I am tentatively planning a virtual professional issues forum to wrap up the year (in December). Planning for GSIS events at the Geological Society of America annual meeting is complete. The GSIS on-site events will take place on Sunday (10/9/22) and Monday (10/10/22). Sunday activities will include a field trip to the Denver Museum of Nature and Science followed by a tour of the recently renovated Auraria Library and no-host dinner. Monday will be devoted to exploring the GSA Annual Meeting offerings and networking. On Monday afternoon, the GSIS will host a Professional Issues Forum for on-site attendees at 1:15 followed by time in the afternoon to attend more technical sessions and spend time talking to exhibitors. There are no GSIS activities scheduled for Monday evening so that members can attend the alumni receptions. A listing of interesting presentations from the meeting is included elsewhere in this issue and I've already received agreement from several

speakers to reprise their topic at a future GSIS webinar, if we choose.

Future GSIS webinars will feature representatives from the USGS Library and the International Association for Geoscience Diversity. Suggestions for other webinars topics or organizations are always welcome and can be sent to Linda Musser (lindamusser@psu.edu).

The recording of the September 21, 2022 [webinar is now available](#). This 1-hour webinar featured presentations about the International Association for Geoscience Diversity and the U.S. Geological Survey Library.

https://psu.mediaspace.kaltura.com/media/Geoscience+Information+Society+webinar/1_6tjmf30n

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GSIS activities at the 2022 Geological Society of America meeting in Denver, Colorado (October 9-13)

by Linda Musser

A handful of GSIS members attended the GSA meeting in person this year and partook of the many interesting technical sessions. The poster sessions were particularly appealing since we were able to interact with the (mostly) students and learn about their projects. The exhibit hall was robust, though rock and jewelry vendors were minimally represented. We still found things to purchase though Monica was not able to find a worthwhile trilobite fossil. One of the paleontological groups did a booming business in stuffed fossils and plush nautiloids were spotted throughout the meeting. (We suggested a plush trilobite or trilobite slippers for Monica but she decided to hold out for the real thing!)

The GSIS Professional Issues Forum was held on Monday, October 10 with very low attendance despite inviting many of the publishers from the exhibit hall and local STEM librarians. Some of the topics discussed were:

- University budget pressures are forcing cuts in hours and loss of flexibility in spending for collections. More centralized, package purchases. Limits of GOBI coverage of geoscience titles.
- Homogenization of collections and who collects more broadly?
- Challenges associated with shared collections and retention – how trustworthy are OCLC holdings? What to do when the item you commit to retain is lost or worn?
- Studies of the information seeking behavior of geoscientists reveal that librarians are the last resort for geoscientists. This is dangerous for

our profession. How do we connect with faculty and other users to let them know of our value?

- Developing geoscience expertise among librarians with multidisciplinary responsibilities.
- Ways to be more accessible to librarians by holding regional GSIS meetings.

The field trip to the Denver Museum of Nature and Science was a big hit and we highly recommend a visit for those traveling to Denver in the future. The minerals and dinosaur galleries were rich and spectacular. In the space exhibit area, we played with gravity well simulators and other fun experiments. Following the museum, the group made a stop at the Auraria Library, which serves the University of Colorado-Denver, Metropolitan State University of Denver, and the Community College of Denver. The facility finished a multi-year renovation in 2016 and features a café, maker space, media studio, group study rooms, quiet spaces and more. The variety of spaces and thoughtful layout was impressive.



(Left) Monica Pereira outside the Colorado Convention Center.



(Right) Monica Pereira relaxing outside the Auraria Library

GeoWonders

The continued adventures of GSIS activities at the 2022 Geological Society of America meeting in Denver, Colorado

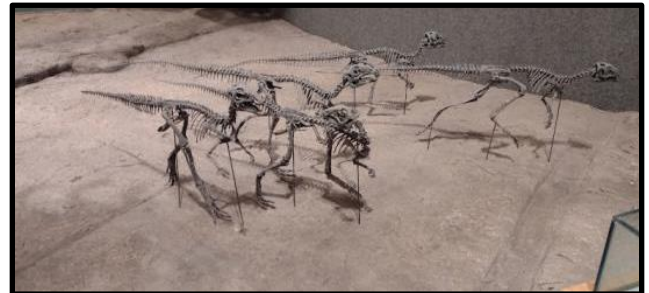
By Linda Musser



(Above) HUGE rhodochrosite specimen at the Denver Museum of Nature and Science.



(Above & below) Images from the dinosaurs exhibits at the museum.



(Above) Cynthia Prosser and Monica Pereira 'petting' a T-Rex.



(Above) Linda Musser does not look as comfortable.

GeoWonders



(Above) Rock-capped pedestals ("hoodoos") on the Scenic Loop Drive, Theodore Roosevelt N.P.



(Above) Yellow Mounds (altered Pierre Shale) from Conata Overlook, Badlands N.P.

Erosion and deposition at work - By Shaun Hardy

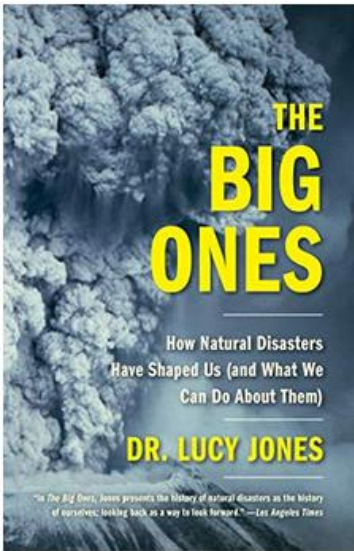
Badlands National Park and Jewel Cave National Monument (both in South Dakota) and Theodore Roosevelt National Park (in North Dakota) aren't nearly as well-known as many of their western cousins, but they're spectacular living laboratories of erosional and depositional processes - and a heck of a lot less crowded. I visited back in 2017 and was wowed by all of them!



(Left) Cannonball concretions (formed by mineral-rich water seeping through the butte at back), Theodore Roosevelt N.P.

(Right) "Cave bacon" (layered flowstone that forms on a slanted surface) in Jewel Cave





The **GSIS Common Read**

is Wednesday, October 26th, at 1:30 EDT/10:30 PDT. We are reading the book: **The Big Ones** by Dr. Lucy Jones. Looking forward to "seeing" everyone and having a good discussion. Zoom details follow.

Join Zoom Meeting:

<https://uga.zoom.us/j/91798937780?pwd=UFlxa2xFWWtFeFRZbHd0YWQ4eVBidz09>

Meeting ID: 917 9893 7780

Passcode: 297010

GSIS Social Media Committee Report

By Cynthia Prosser

This year the Social Media Committee has focused on providing content on a weekly basis to the Facebook page. We have 110 "members" of the page and there are usually a couple/few posts a week. All are welcome to join the page and contribute. We also reviewed and made a few small edits to the GSIS Wikipedia page. My thanks to the Committee: Louise Deis, Sabrina Miller, and Shaun Hardy. Submitted by Cynthia L Prosser, Chair.

Musings

By Michael Noga

I am far away from academia and academic libraries these days, but I still wanted to make some observations.

You may already be aware that the White House Office of Science and Technology Policy (OSTP) released a memo "Ensuring Free, Immediate, and Equitable Access to Federally Funded Research," in late August.

The Scholarly Kitchen published a summary of the memo on their site scholarlykitchen.sspnet.org on Oct. 3. You will find links to 14 posts on the memo at the Scholarly Kitchen and links to several other sources of commentary.

There is a wide variety of views and feistiness.

See Shaun Hardy's OA Column for more!

Movin' & Shakin' (aka Member news)

Ashley Orehek-Rossi started a new position at Western Kentucky University as an Assistant Professor and STEM Librarian. She serves their faculty and students in Physics/Astronomy, Math, Earth/Environmental/Atmospheric Sciences, Engineering/Applied Sciences, Chemistry, Biology, and Agriculture.

Ashley recently got married (at a zoo!). See photos below!



Register now for the free annual Geoscience Information Society (GSIS) Geoscience Librarianship 101(GL101) seminar:

https://princeton.zoom.us/webinar/register/WN_vxwDf0H4Q8CWUaYGaDgdhw

The 2022 GL101 seminar will be held virtually on November 1- 2 from 3:00pm - 6:00pm EST.

What is GSIS GL101?

GL 101 is a free annual seminar that introduces new librarians and library science students to some of the core areas of geoscience librarianship. It provides experienced librarians a refresher overview, offering a chance to network with colleagues and view current issues and concerns of the profession.

GL101 will be a webinar hosted by Princeton University for GSIS. Virtual participation will take place via webinar.

We hope to see you in November!

Clara P. McLeod /Stephanie Earls
GL101 Coordinators

GL101 Agenda:

The Geoscience Information Society (GSIS) will offer the free annual workshop on geoscience information on November 1-2 this year via Princeton University Zoom.

Tuesday, November 1, 2022

3:00 -3:15 PM (Eastern Time)

Welcome and Introduction

Clara McLeod, Earth and Planetary Sciences Librarian

Washington University in St. Louis

3:15 – 3:45 PM (Eastern Time)

Introduction to Geosciences Librarianship: Twenty-Seven Years of Research Inquiries

Emily Wild, Geosciences and Environmental Studies Librarian

Princeton University

An introduction to Geosciences with a brief overview of the major natural hazard events and natural resources topics over the past twenty-seven years.

3:45 – 4:15 PM (Eastern Time)

Collection Development in the Geosciences

Amanda Bielskas, Director Science, Engineering & Social Science Libraries

Columbia University

Discussion of current developments within Geosciences collections.

4:15 – 4:30 PM (Eastern Time) Break

4:30 – 5:00 PM

Opportunities for outreach and engagement in Earth Sciences librarianship

Samantha Teplitzky , Open Science L UC Berkeley

This presentation will discuss opportunities for librarians to connect and collaborate with their local Earth Science communities. We'll learn about proven examples and uncover new opportunities for engagement and outreach using a framework that considers our local audience, topics of relevance and strengths that library staff bring to our work.

5:00 - 6:00PM

Networking with Presenters and Attendees

Stephanie Earls

Washington Geological Survey Library

Business Meeting & GSIS Awards Luncheon:

Thursday, November 3rd, 3-6EDT (on Zoom)

Awards followed immediately by business meeting at 3:35.

DRAFT Business meeting agenda:

- Call to order
- Welcome and general introductions
- Approval of agenda and minutes
- Executive Board & appointed position reports
 - Presidential Report (Monica)
 - Past President Report (Emily)
 - Vice President Report (Linda)
 - Treasurer Report (Kelly)
 - Secretary Report (Jenna)
 - Newsletter Report (Amanda & Michael)
 - Webmaster Report
- GeoNet Update (Emily)
- GL 101 Report
- Committee Reports should be sent out before the business meeting
 - Archives
 - Exhibits
 - Membership
 - Nominating
 - Social Media
 - Best Paper Award
 - Guidebooks
 - Best Research Resource
 - Mary Ansari Distinguished Service Awards
- Other Business
- Passing of gavel
- Call to adjourn

Emily C. Wild Receives the 2022 Mary B. Ansari Distinguished Service Award:

The Geoscience Information Society is pleased to announce that Emily C. Wild, the Chemistry, Geosciences and Environmental Studies Librarian at Lewis Science Library, Princeton University is the recipient of the 2022 GSIS Mary B. Ansari Distinguished Service Award. The award will be presented virtually at the GSIS Annual Business Meeting on November 3, 2022 at 3:00 - 3:25 pm.

As noted by colleague Lori Tschirhart, Emily's "career spans over twenty years as both hydrologist and librarian." These dual roles together with her enthusiasm for sharing scientific information have enabled her to make profound contributions to the geoscience profession. Emily earned a Bachelor of Arts in Geology from Hartwick College and a Master of Library and Information Studies from the University of Rhode Island, and previously worked as an hydrologist and librarian from 1996 to 2018 at U.S. Geological Survey. Currently, her scholarly interests include library instruction; reference, citation and data management; raw and geospatial datasets; and physical and laboratory sampling methods.

Emily has been an active member of the society since joining in 2010. She served as President, Vice-President and Past President for two terms (2019-2022 /2013-2016). She joined the GL101 team as an instructor in 2013. She has also been the Geonet moderator since 2018, where she shares materials (through workshops, webinars and other formats) to the scientific community.

The Mary B. Ansari Distinguished Service Award award was established in 2005 to recognize and honor significant contributions to the geoscience information profession. Named for the late Mary B. Ansari, a past GSIS President and strong supporter of the Society, the award is presented at the annual meeting and is accompanied by a monetary gift and engraved plaque. More information about her life and career can be found at <https://www.legacy.com/us/obituaries/rgj/name/mary-ansari-obituary?id=9882550>. Past awardees are listed on the Society's website <http://www.geoinfo.org/distinguished-service>.

Mary B. Ansari Distinguished Service Award Committee:

Clara P. McLeod, Chair
Marie Dvorzak,
Cynthia Prosser
Robert Tolliver



Greetings!

Many have responded to my annual email request for information on Master's and Bachelor's theses and Doctoral dissertations for the 2021-2022 time period.

I would be very happy to receive more responses. There is no deadline for submitting the material, including past years.

We are interested in receiving information in the geoscience disciplines including soils, hydrogeology, marine geology, and environmental geology so that references to these documents can be included in GeoRef, the primary bibliographic service for the geosciences used by thousands of researchers worldwide.

Visit <http://www.americangeosciences.org/georef/about-georef-database> for more information.

In addition to being referenced in GeoRef, information on recent theses and dissertations is linked to AGI's popular publication [Directory of Geoscience Departments](#).

When submitting information directly, please include as much information as possible: title, author, date of publication, degree, total number of pages, number of references in bibliography, details on fold-out maps, illustrations, etc.

If your theses or dissertations are available via the internet, please send us information on how we might access them: through ProQuest, your online library catalog, a department web site, in an electronic repository, etc.

If they are available through an electronic repository that is not open to outside visitors, please consider sending us as much information as is possible directly.

If they are available through your catalog, please send us advice on how to locate the theses and dissertations for the relevant departments.

You can email any information to my attention ml@americangeosciences.org as an attachment or mail paper copies to:

Monika Long
American Geosciences Institute
4220 King Street
Alexandria, VA 22302
USA

Thank you for your continued involvement.

Join the OpenGeoSci Customer Advisory Board

[GeoScienceWorld](#) is seeking experts to consult on a new product launch.

GSW is reimagining [OpenGeoSci](#), our GIS search and discovery tool. Our aim is to make OpenGeoSci a more integral tool for our users. We've been doing some research with our end users to determine how they're searching for and discovering research, but we are reaching to members of the GSIS to help guide us by participating in our Customer Advisory Board. Customer Advisory Board members would help determine the future of the product by:

- Providing feedback on the current implementation of OpenGeoSci
- Discussing possible features and enhancements to develop
- Evaluating early prototypes and designs for OpenGeoSci
- Helping us understand the problems and limitations researchers face searching for and discovering research insights

All that would be required is a few Zoom call interviews with GSW to discuss ideas and progress. Additionally, we will occasionally circulate questions via email to the Board. If you are personally unable to join the Board, **we welcome you to share this invitation with your colleagues and departments so that we can cast an even wider net.**

If you would like to participate, [please email Jerry Fagerberg](#), Customer Experience Product Manager at GSW, and let him know you're interested. You may also contact him with any further questions. We appreciate your support and your expertise!



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New Geoscience Open Access Publications & OA News

By Shaun Hardy, Carnegie Institution for Science



Frontiers in Geochemistry

Website:

<https://www.frontiersin.org/journals/geochemistry>

Frontiers in Geochemistry is a recent introduction from OA mega-publisher Frontiers Media, which also publishes Frontiers in Earth Sciences, Frontiers in Astronomy and Space Sciences, and Frontiers in Materials. The new journal seeks submissions that “explore past and present chemistries and chemical processes that operate within geological systems on Earth and beyond.” Special sections will be devoted to biogeochemistry, environmental geochemistry, mineral geochemistry, and organic geochemistry. In addition to original research and reviews, Frontiers in Geochemistry will publish data reports, hypothesis & theory, methods, perspectives, and opinions. All content will be published under

a CC-BY license. There is a sliding scale of APCs, ranging from \$2,080 for a research paper or review to \$490 for a data report or opinion. As of October 5, no articles had yet been published.

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

Carnets Natures (Association les Amis des sciences de la nature, Gaillac, France) –

<https://carnetsnatures.fr/>

Earthquake Research Advances (KeAi Communications, Beijing, China) –

<https://www.keaipublishing.com/en/journals/earthquake-research-advances/>

Geo&Bio (National Museum of Natural History, National Academy of Sciences of Ukraine) –

http://museumkiev.org/public/visnyk_eng.html

Indonesian Journal of Earth Sciences (MO.RI Publishing, Sumatera Utara, Indonesia) –

<https://journal.moripublishing.com/index.php/injoes/index>

Iraqi National Journal of Earth Science (University of Mosul College of Science) –

<https://earth.mosuljournals.com/>

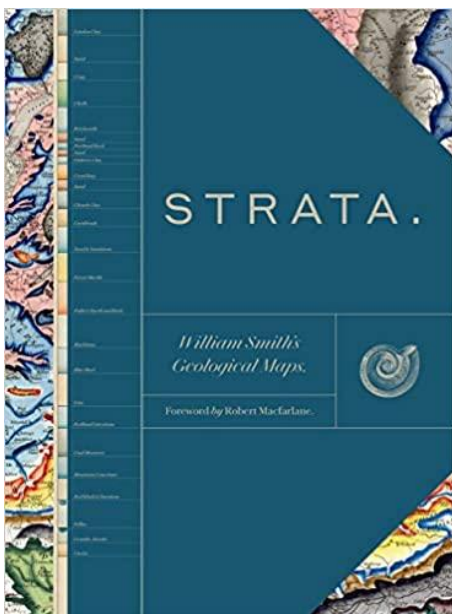
New OA requirements for federally-funded research: The big OA news of the summer was the announcement on August 25 of new guidelines from the White House Office of Science and Technology Policy (OSTP) that recommend immediate free access to the results of federally-funded research by 2025 (“US government reveals big changes to open-access policy,” *Nature*, 26 August 2022, doi:10.1038/d41586-022-02351-1; “White House requires immediate public access to all U.S.-funded research papers by 2025,” *Science*, 26 August 2022, doi:10.1126/science.ade6076). The previous OSTP policy, in place since 2013, allowed for a one-year grace period on providing public access and applied only to departments and agencies with annual budgets over \$100 million. The new policy applies to all federal agencies that fund research and requires each to develop an implementation policy by the end of next year. Federally-funded research accounts for 7% to 9% of the ~3 million papers published worldwide each year. The policy does not require authors to publish in OA journals – depositing the final, peer-reviewed and accepted version of a paper in an open repository would presumably satisfy the new rule.

Not surprisingly, reaction to the OSTP announcement has been intense and key questions remain unanswered: Why the government's shift from mandatory language (2013) to "recommendation" language (2022)? Who will cover the APCs and other publication expenses connected with compliance? What will be the impact of the new policy on non-profit publishers? The Society for Scholarly Publishing has begun collecting responses from librarians, publishers, societies, and other stakeholders and has requested clarification from OSTP on a number of issues ("The new OSTP memo: a roundup of reactions and an interview preview," The Scholarly Kitchen, 3 October 2022, <https://scholarlykitchen.sspnet.org/2022/10/03/the-new-ostp-memo-a-roundup-of-reactions-and-an-interview-preview/>). An official reply is expected in early October.

How commercial publishers benefit from OA: An insightful study posted in Zenodo on September 7 documents the enormous revenues that large, for-profit publishers are realizing from open access publication charges (L.-A. Butler et al., "The oligopoly's shift to open access: How for-profit publishers benefit from article processing charges," Zenodo, 7 September 2022, doi:10.5281/zenodo.7057144). The study focuses on the Big Five – Elsevier, Sage, Springer Nature, Taylor & Francis, and Wiley – which collectively publish more than half of the world's peer-reviewed journal articles.

Leigh-Ann Butler and her colleagues estimated that between 2015 and 2018 these publishers collected \$1.06 billion in publication fees from the scientific community, with Springer Nature leading the pack both in terms of overall OA article volume and total APCs. (For comparison, the global scholarly publishing market in 2020 was valued at \$28 billion, with journals accounting for \$9.5 billion of that.) Significant differences were found among the publishers in the relative proportions of gold OA and hybrid OA revenue streams, with Springer Nature clearly focusing on the former and Elsevier on the latter. Topping the list of revenue-generating journals were Scientific Reports and Nature Communications, whose APC income was 7-10 times greater than that of any other publication in the study. The U.S., China, and the U.K. were by far the largest payers of APCs to the oligopoly. The study did not consider other major OA publishers such as PLOS, MPDI, Frontiers, and Hindawi.

Big Deal cancellations and growing OA mandates from research funders were seen as major drivers of the shift of commercial publishers from traditional, subscription-based models to APC-based OA models, "cementing their status in the scholarly publication market to dominate the OA landscape." The authors conclude that "instead of making scholarly publishing sustainable and accessible for all, high APCs and transformative agreements seem to preserve the status quo."



2022 GSIS Mary B Ansari Best Research Award Announced:

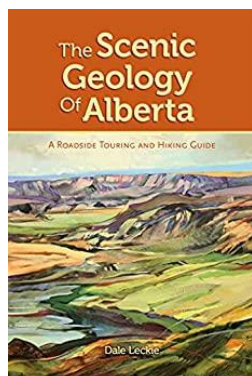
Strata: William Smith's Geological Maps
University of Chicago Press

by Oxford University Museum of Natural History (Editor), Douglas Palmer (Introduction), Robert Macfarlane (Foreword)

This Year the Committee had 9 nominated titles and Strata quickly rose to the top of the Committee's rankings.

2022 GSIS Mary B Ansari Best Research Award Committee Members:
Amanda Bielskas (Chair); Rustin (Rusty) Kimball; Chrissy Klenke; Edward Lener; Robert (Bob) Tolliver

2022 GSIS Guidebook Awards:



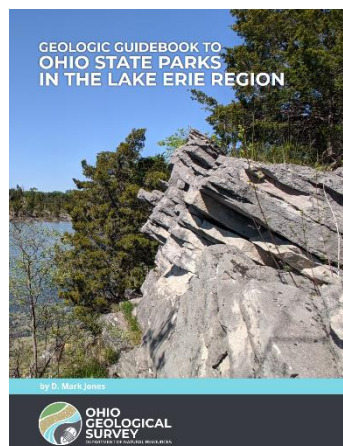
2022 Winner of Best Popular Guidebook

The Scenic Geology of Alberta, by Dale Leckie

<https://www.amazon.com/Scenic-Geology-Alberta-Roadside-Touring-ebook/dp/B0947DB82L>

2022 Winner of Best Guidebook

Geologic guidebook to Ohio State Parks in the Lake Erie region, by D. Mark Jones

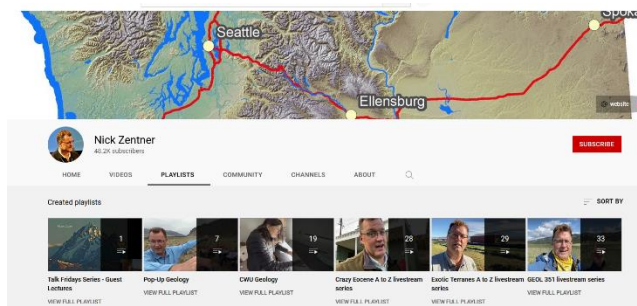


https://ohiodnr.gov/static/documents/geology/GB24_Jones_2021.pdf

2022 Winner of Best Guidebook Series

Nick from Home, by Nick Zentner

<https://www.youtube.com/user/GeologyNick/playlists>



Guidebook Committee:

Kristen Adams (Chair)

Amanda Bielskas

Michael Noga

Emily Wild



OPEN FOR CLIMATE JUSTICE

CONVERSATIONS WITH COLUMBIA CLIMATE SCHOOL RESEARCHERS

AN OPEN ACCESS WEEK EVENT FROM COLUMBIA UNIVERSITY LIBRARIES

MODERATOR



ALEX DE SHERBININ

Deputy Director and Senior Research Scientist at the Center for International Earth Science Information Network (CIESIN)

PANELISTS



KYTT MACMANUS

GIS Developer at the Center for International Earth Science Information Network (CIESIN) & Adjunct Lecturer in the College and SIPA



MARCO TEDESCO

Research Professor at the Lamont-Doherty Earth Observatory (LDEO) of Columbia University and Adjunct Scientist at the NASA Goddard Institute for Space Studies (GISS)

WEDNESDAY, OCTOBER 26

1:00 PM- 2.00 PM | ZOOM

The term "climate justice" reflects an explicit acknowledgement that the climate crisis has far-reaching impacts that are most often felt by communities with relatively few resources. These same communities often lack the means and the access needed to produce, disseminate, and use knowledge around the climate crisis. Openness in research on climate can create pathways to more equitable knowledge sharing and serve as a means to address the inequities that shape the impacts of climate change and our response to them. This panel discussion will highlight how "openness" factors into the work of Columbia researchers and their connections with the climate justice movement.

REGISTER TODAY!

