

»»» NEWSLETTER «««

NASA Equity & Environmental Justice

EEJ NEWS

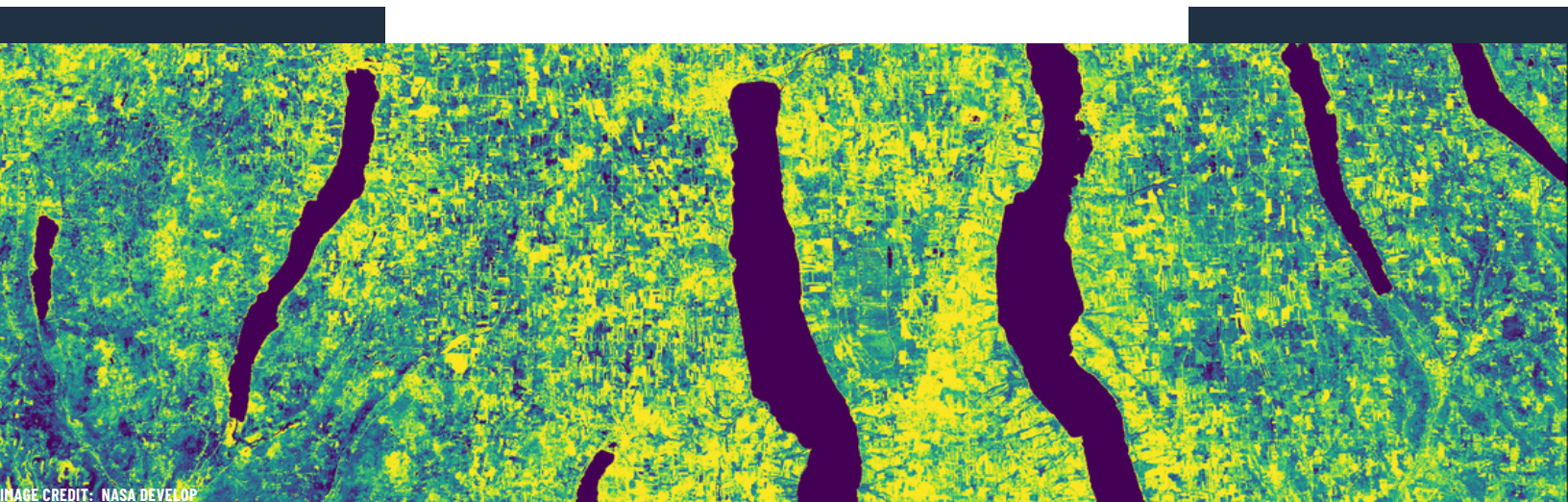


IMAGE CREDIT: NASA DEVELOP

»»» EEJ PROGRAM NEWS «««

NASA FUNDING OPPORTUNITIES

A.47: Community Action for Equity and Environmental Justice

NASA seeks to advance EEJ through the creation of geospatial tools that integrate Earth science and socio-economic information, expand the communities of practice that use Earth observations to address environmental justice issues, and inform action. NASA is especially interested in proposals from or partnered with domestic non-Federal organizations from community-based non-profit institutions, Tribal governments and academic institutions, Indigenous-supporting organizations, local governments, and academic institutions active in addressing EEJ issues. NASA requests proposals developed in collaboration with underserved and overburdened communities, that involve a co-design process to address community interests to use Earth science information in decisions, actions, and policies. Each proposal should address three components: 1) Assessment and Consultation, 2) Tool Design, Test, and Implementation, and 3) Evaluation and Capacity Building.

NOIs are requested by January 16, 2024 and proposals are due by March 14, 2024. Learn more [here](#).



An optional, informational pre-proposal telecon will be held on **January 12** at 1pm ET. Register for the telecon [HERE](#).



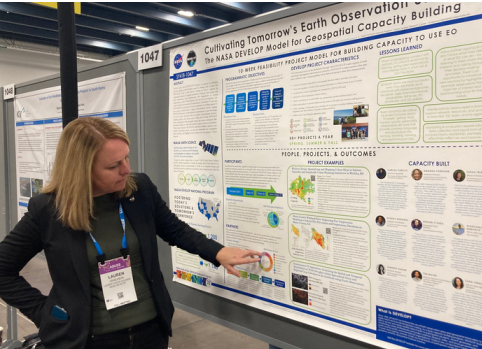
A.67: Supporting Climate Resilient Communities

This call for proposals aims to increase the use of NASA Earth observations to support community resilience, expand the communities of practice who use NASA Earth observations to develop climate-informed community resilience decisions, demonstrate the value of using NASA Earth observations to prepare for and respond to climate change, and inform NASA's future strategic engagement and activities on climate resilience. Proposals must engage communities in advancing climate-informed decisions that enhance their resilience to the impacts of climate change and involve organizations that assist in knowledge sharing between scientists and decision makers.

NOIs are requested by February 23, 2024 and proposals are due by May 3, 2024. Learn more [here](#).

NASA EQUITY AND ENVIRONMENTAL JUSTICE AT THE AMERICAN GEOPHYSICAL UNION FALL MEETING 2023

The American Geophysical Union Fall Meeting is the world's largest gathering of Earth and Space scientists. This year, over 22,000 scientists gathered in San Francisco, CA from December 11-15 to share their work, learn from one another, and build relationships that can result in new collaborations, opportunities. NASA's Equity and Environmental Justice team was able to join the gathering and contributed an oral session, poster session, Town Hall, and innovations session to the agenda. Associate program managers Lauren Childs-Gleason, Sabrina Delgado Arias, and Dr. Emma Yates were all in attendance, as well as intern Nati Phan, program support Sydney Neugebauer and management Owen Hooks, Dr. Michelle Hawkins, and Dr. Nancy Searby. In addition to the opportunities to share NASA's EEJ work, the team was able to learn about the latest work from our partners and collaborators and connect in-person, sharing meals and face time with valued partners and team members.



Associate program manager Lauren Childs Gleason presents about the DEVELOP National Program, which celebrated its 25th anniversary in 2023.

AGU was held in San Francisco, CA, providing West and East coast colleagues to meet and connect over nature and science.



On Monday, the team kicked off the meeting with a session entitled "NASA's Earth Observations for Environmental Justice," which featured presentations from the current cohort of funded projects. Dr. Patrick Bixler from the University of Texas at Austin noted that "I'm a sociologist by training in a school of public affairs. This is my first AGU, so I want to thank the NASA folks for creating a program around EEJ that gives me the opportunity to come and learn from so many of you in this room." Following the session, attendees toured a related poster session featuring the work of more project teams and the AGU community.

On Wednesday, the team was dove into even more discussion through a half-day innovation session entitled "Use of Earth Observations to Advance the Role of Equity and Environmental Justice in Open Science." Here, researchers, community members, and program management shared their learnings and challenges in an open discussion format. Finally, Thursday evening the team convened a Town Hall to share the program's annual highlights, look forward to next year, and reflect on the lessons gathered from our researchers in 2023.



The EEJ oral session on Monday saw a packed house and excellent presentations from EJ Principal Investigators and team members.



Join us at an upcoming meeting! Read pg. 3 to see where we'll be in 2024.

▶▶▶ PROJECT HIGHLIGHTS ◀◀◀

Tribal Interests in Remote Sensing Applications

- Mapping land use change due to deforestation and monocropping
- Water quality monitoring and mapping Harmful Algae Blooms
- Mapping native vegetation and identifying sites for planting
- Mapping the impacts of wildfires vs. prescribed burns
- Restoration and monitoring of ecosystems after dam removal
- Preserving cultural sites

Can remote data connect us to the land? A landscape analysis for braiding satellite-based information and Indigenous knowledge in California

Principal Investigator: Laura Forni, SEI
 This landscape analysis project is motivated by the premise that the use of spatial data can complement existing land management decision-making methods now used by the Tribes. By studying past projects that effectively employed spatial data and GIS-based tools in resource management, the project aims to understand the degree of tribal community involvement in these initiatives. Initial findings and recommendations highlight the potential for remote sensing applications like water quality monitoring, vegetation mapping, and identifying locations for restoration and cultural preservation. This study will result in a report that will shed light on the challenges that tribal groups face, such as image resolution, data access, time limits, IT infrastructure, and data sovereignty as well as including suggested strategies, policy suggestions, and capacity-building activities to solve the identified difficulties and promote increased use of spatial data in tribal settings. Read more [HERE](#).

Communities for a Better Environment: Triangulating NASA Data and Participatory GIS with Local Organizing to Advance Environmental Justice in Los Angeles

Principal Investigator: Dr. Jason Douglas, University of California Irvine
 In partnership with Communities for a Better Environment, this 2-year Data Integration Project examines urban heat island- and air pollution-related inequities toward identifying ecosystem service-based solutions for advancing EEJ in Southeast Los Angeles (SELA), California. SELA is a large, underserved, environmental justice community of color that bears an uneven burden of urban heat islands and mobile and stationary sources of air pollution. Inequitable access to ecosystem services that mitigate heat island and air pollution impacts may exacerbate poor health outcomes in SELA. To address these inequities, the team created a Research Leadership Academy to train SELA residents on community-based participatory research concerning the public health impacts of (1) localized urban heat islands and air pollutants and (2) access to greenspace associated with ecosystem services that may serve to mitigate urban heat island- and air pollution-related health impacts. Read more [HERE](#).





UPCOMING CONFERENCES



THE AMERICAN METEOROLOGICAL SOCIETY'S 104TH ANNUAL MEETING

Dates: January 28 - February 1, 2024. Baltimore, MD & Online.

The theme for the 2024 AMS Annual Meeting is "Living in a Changing Environment." An important aspect of this meeting will be to draw global attention to the multi-faceted issues surrounding climate science and services. The meeting will bring together the spectrum of stakeholders needed to advance climate science and the services required to expand public understanding of the issues and promote sound, science-based solutions. NASA's EEJ team and the Health & Air Quality program are hosting a session on Wednesday, 1/31 at 8:30AM: "From Low-Cost Sensors to Satellite Instruments: Data and Perspectives for Air Quality Equity and Environmental Justice." Register [HERE](#).



AMERICAN METEOROLOGICAL SOCIETY
104TH ANNUAL MEETING
28 JANUARY-1 FEBRUARY 2024
BALTIMORE, MD & ONLINE

SAVE THE DATE

2024 National Environmental Justice Conference and Training Program

Walter E. Washington Convention Center
801 Mount Vernon Place, N.W., Room 146A-B
Washington, DC 20001

To volunteer or for sponsorship opportunities and additional information, contact
Lloyd Moore, Conference Coordinator, at email@thenejc.org or 202.827.2224

www.thenejc.org



APRIL 16-18, 2024

NATIONAL EJ CONFERENCE AND TRAINING PROGRAM

Dates: April 16-18, 2024. Washington D.C.

Participants will engage in 3 days of free exchange of ideas and approaches to achieving environmental justice. These interactive training sessions will feature voices of experience, research, discussions, and thought-provoking dialogue. The program format will feature the needs and challenges of communities, governments, municipalities, tribes, faith-based organizations, and others with an interest in environmental justice. Speakers will represent Federal and state agencies, local governments, tribes, community groups, business and industry, public interest groups, academia, and other entities. This forum will give participants the opportunity to network with a variety of interests from diverse quarters. Learn more [HERE](#).



ADDITIONAL RESOURCES AND OPPORTUNITIES



Image Credit: 2023 Chicago Urban Heat Island Mapping Campaign

NOAA URBAN HEAT ISLAND MAPPING CAMPAIGN

Apply by January 31 at 5pm EDT

NOAA's [National Integrated Heat Health Information System \(NIHHIS\)](#), in partnership with [CAPA Strategies LLC](#), is now accepting applications from organizations interested in participating in the 2024 Urban Heat Island (UHI) mapping campaign program.

As part of Justice40, NIHHIS and CAPA Strategies will support community science campaigns across the United States to [map the hottest neighborhoods](#) and learn where action is needed. The campaigns are run in the summer by a lead organization, and rely on community scientist volunteers to collect data to create maps which provide a detailed analysis of the distribution of heat. The maps and reports reveal temperature differences across neighborhoods and allow communities to understand how factors such as lack of green space can contribute to hotter neighborhoods. Learn more and apply [HERE](#).

CALL FOR PAPERS

Cityscape Symposium on Extreme Heat in Cities

Submission Deadline: April 3rd, 2024

Cityscape aims to bring high-quality original research on housing and community development issues to scholars, government officials, and practitioners. In 2025 Cityscape intends to publish several articles on how to cool cities or mitigate the impacts of extreme heat, especially impacts on low- and moderate-income workers and residents and socially vulnerable groups. Cityscape is also seeking reviewers for this symposium. Learn more [HERE](#).



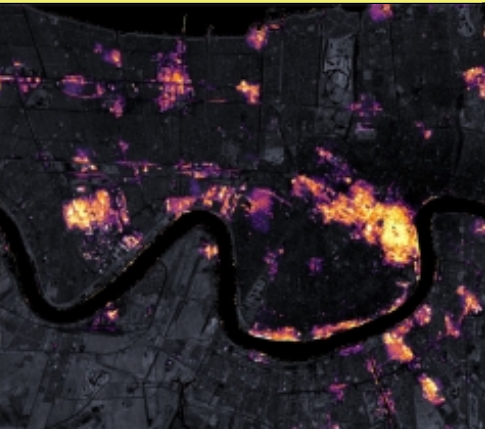
EARLY CAREER OPPORTUNITY

NASA DEVELOP National Program Summer Application Open

Application Deadline February 23, 2024

NASA DEVELOP bridges the gap between Earth science data and society, addressing environmental concerns and enhancing decision-making to improve life here on Earth. Participants conduct 10-week research projects in interdisciplinary teams of 4-5 people. They work closely with DEVELOP science advisors and mentors to apply Earth observations to address real-world problems. Through this process, participants build both research and science communication skills. The summer application deadline is February 23, and the summer term takes place June 3 - August 9, 2024. This is a paid opportunity. Learn more and apply [HERE](#).

>>> ADDITIONAL RESOURCES <<<



GEOGRAPHIC INFORMATION SYSTEMS (GIS) TOOLS

GIS Tools to Support Environmental Justice

By: Megan Martinez | Workshop from Environmental Council of the States and Esri

NOAA: EJ Tools and Resources

Provided by National Oceanic and Atmospheric Administration

Assessing Flood Risk to Support Environmental Justice

Data and Tools from NASA's SEDAC

Hosted by Kytt MacManus and Dr. Greg Yetman | NASA Socioeconomic Data and Applications Center

PODCASTS

Environmental Justice: Putting Money to Work

Guests: Bob Bullard and Maria Lopez-Nunez

By: Center on Global Energy Policy at Columbia | SIPA

Living on Earth

Hosted by Steve Curwood and brought to you by PRX

Image: mattbotsford | Unsplash



NASA Equity and Environmental Justice Webinar Series

Join us for a monthly casual opportunity to learn about EJ at NASA!

WEBINAR SERIES 2024

NASA EEJ Webinar Series

NASA's EEJ webinar series kicks off on February 6, 2024! Join us for a discussion of topics related to EJ for Indigenous communities, including presentations from our EEJ project teams and NASA's Indigenous Peoples Initiative, followed by a discussion. The webinar series will continue at 4pm ET on the last Tuesday of each month (the kick-off is adjusted for the AMS Annual Meeting the final week of January. Check out the registration page for other webinar dates throughout the year and register for free [HERE](#).

>>> INTRODUCTION TO EEJ <<<

NASA's Equity and Environmental Justice Program (EEJ)

NASA's EEJ program aims to advance progress on equity and environmental justice. One part of this effort is to help build the community of practice around the application of Earth science information to inform action in EJ communities by monitoring and measuring environmental factors. This newsletter is one of the program's strategic communication efforts for engaging those working in the space. It will continue to evolve, so please share your thoughts for what information is useful to you!

Learn more about NASA's EEJ Program and access our previous newsletters by visiting our website [HERE](#).

CONTACT US:

Contact us with "EEJ newsletter" in the subject line with any comments, questions, or feedback!

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