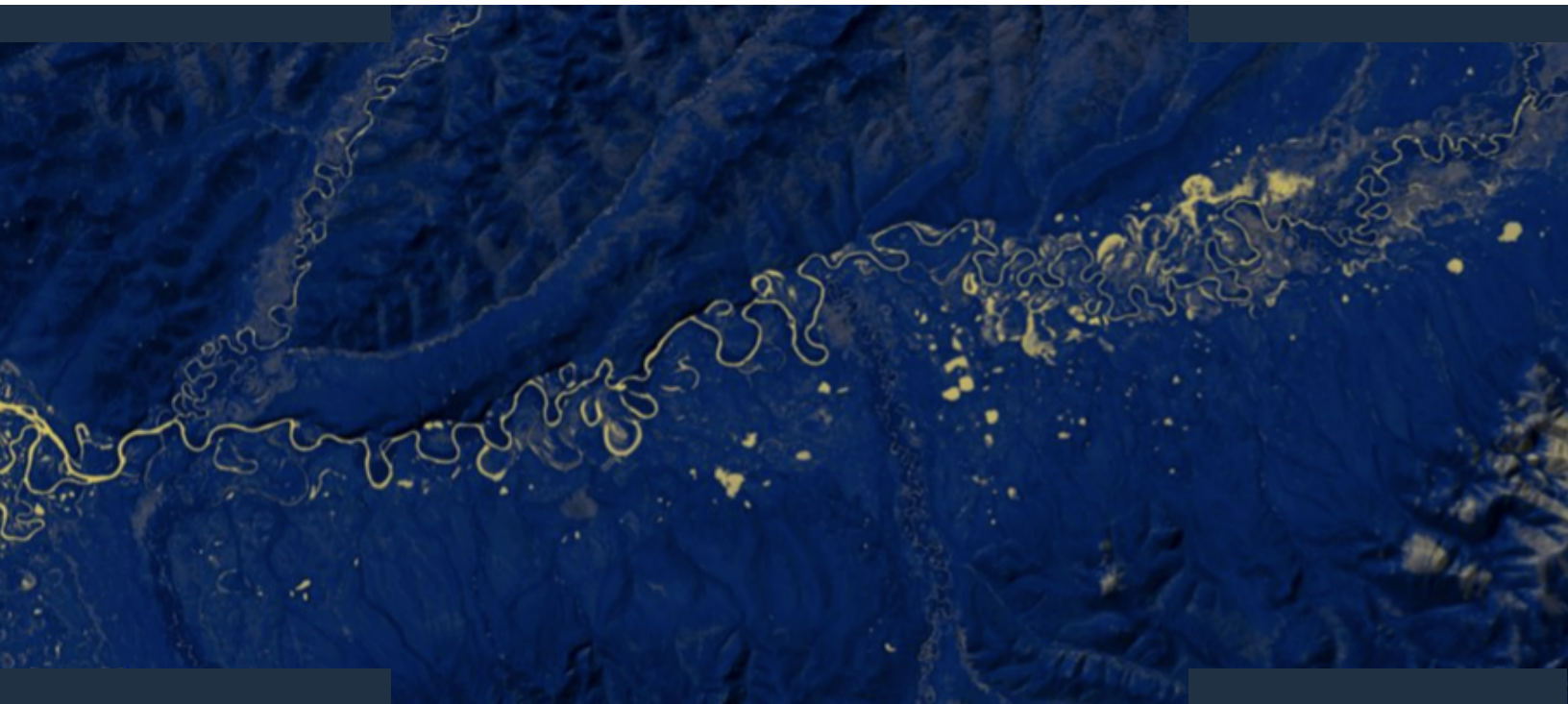


»»» NEWSLETTER «««

NASA Equity & Environmental Justice

EEJ NEWS



»»» ANNOUNCEMENTS «««

ATLAS
of the 5th National Climate Assessment

To help Americans anticipate how changing climate conditions might affect their homes and businesses, the United States Global Change Research Program conducts a comprehensive review of scientific information on climate trends and impacts in our country every four years. The 5th National Climate Assessment – often referred to as NCA5 – was published in 2023.

This site taps into the power of maps and stories to share information from NCA5.

On November 14, the Biden-Harris Administration released the Fifth National Climate Assessment (NCA5) alongside more than \$6 billion in funding to strengthen climate resilience across the U.S. According to the White House Briefing Room, NCA5 “assesses changes in the climate, its national and regional impacts, and options for reducing present and future risk.” Additionally, NCA5 “indicates that not only is every region of the country already experiencing the impacts of climate change, but ambitious climate action is underway in every region as well.” Complementing the robust scientific findings of NCA5, the new web-based [NCA Atlas](#) (above) allows Americans to explore climate projections in their own state or county to inform resilience, adaptation, and mitigation efforts. And, to improve inclusivity and accessibility, a forthcoming Spanish-language version of the entire NCA5 will be available for the first time early next year. NCA5 is accompanied by 92 original works of art, selected through the first-ever [NCA Art x Climate](#) initiative, and an original poem, “[Startlement](#),” by the 24th Poet Laureate of the United States, Ada Limón.

The Biden-Harris \$6 billion investment announcement is seeking to advance EJ by providing U.S. communities the support and assistance needed to combat climate and environmental degradation. This includes “strengthening America’s aging electric grid infrastructure, reducing flood risk to communities, supporting conservation efforts,” and releasing new resources to boost climate resilience efforts around the country.

Learn more about the Fifth National Climate Assessment as well as the \$6 billion investment to strengthen climate resilience [HERE](#).



NASA PARTICIPATION AT RECENT CONFERENCES

October was a busy month of travel for the EEJ team! NASA EEJ team members had the opportunity to attend three different conferences throughout the month, including the HBCU Climate Change Conference, Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) - National Diversity in STEM Conference, and the Midwest Climate Resilience Conference. The HBCU Climate Change Conference took place in New Orleans, LA, and had attendees from EEJ and others from NASA's Earth Science Division (ESD). The conference focused on bringing together faculty and students from Historically Black Colleges and Universities, researchers, climate professionals and environmental justice and community residents impacted by environmental injustice and climate change to bridge the gap between theory and the experiential realities of climate change. Erica Alston, Program Executive of ESD presented on an Expert Panel discussing her personal journey as well as NASA's response to climate change. Additionally, NASA had a sponsor table (upper image) to share information about NASA's ESD and current opportunities. The table also featured NASA handouts, including eclipse glasses as the Annular Solar Eclipse occurred on Saturday of the conference. NASA representatives and attendees were able to see the 70% magnitude in New Orleans on the pool deck of the conference venue!

SACNAS - National Diversity in STEM Conference was located in Portland, OR, and featured participation from NASA EEJ and ESD (center image). SACNAS is the largest multidisciplinary and multicultural STEM diversity event in the country, and serves to equip, empower, and energize participants for their academic and professional paths in STEM. NASA activities included a booth with a Hyperwall and multiple tables to share opportunities across all divisions, as well as an EEJ session, a Tribal Engagement session, and the hyperwall presentations throughout the week!

The Midwest Climate Resilience Conference was held in Duluth, MN, and also welcomed a representation from both NASA EEJ and ESD. This conference brings together citizens and representatives from the public, private, and non-profit sectors to inspire and encourage climate adaptation in communities throughout Minnesota and broadly the Midwest region. Our own EEJ Program Manager, Owen Hooks, presented on the EEJ program (lower image), alongside others sharing information on NASA's ESD activities.

EEJ INTERN PRESENTS AT NASA PAXC WEBINAR REPRESENTING EEJ PROGRAM

Kendall Wilson is a senior majoring in chemistry at Howard University. She joined the EEJ intern team this fall and had the exciting opportunity to present at the NASA PAXC (Promoting Agency Cross-Center Connections) webinar event titled the "Internship Professional Development Team's Center Spotlight Week" representing the EEJ program within NASA. Kendall shared her background, the current work of the EEJ team, history of NASA, as well as the different ways to get involved with a NASA internship. Way to go, Kendall!!



UPCOMING EVENTS



NASA Equity and Environmental Justice Webinar Series

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

UPCOMING WEBINAR NASA Equity and Environmental Justice Webinar Series

Date: November 28th, 2023. 4:00-5:00 PM ET. Online.

Join us for the third session of our monthly webinar series which aims to strengthen our NASA EEJ community of practice! EEJ PIs (Principal Investigators) will share their project highlights along with their progress. The webinar series will also encourage collaborations between each of the different PIs and feature exciting initiatives happening across NASA's Capacity Building Program. This session will focus on topics related to environmental justice for indigenous communities and will include speakers from our PIs and Indigenous Peoples Initiative. Register [HERE](#).

EJ EVENT CHALLENGE

HH MSII SDG Challenge: Incubator Program

Transforming education systems begins with teachers. Enabling teachers in developing scalable education projects helps ensure that all students have access to the education they deserve. The MSII SDG Challenge focuses on social entrepreneurship principles and systems thinking to support teachers through the stages of ideation, project implementation, and achieving scale. The Challenge is open to practicing teachers based anywhere in sub-Saharan Africa. The MSII Incubator Program will provide in-depth and hands-on skill-building opportunities that will equip you with the foundation to lead your own social venture. You will be exposed to concepts related to leadership and personal mastery, sustainable business model design, and the management of projects, organizations and movements. If selected for Incubation, you will be awarded up to \$2,000 USD to support the development of your own pilot program. Learn more [HERE](#).



HH MSII
SDG CHALLENGE

Incubator Program

Program Overview
April 2023



UPCOMING CONFERENCES



2023 UN CLIMATE CHANGE CONFERENCE (UNFCCC COP 28)

Dates: November 30th - December 12th, 2023. Dubai, United Arab Emirates (UAE).

The conference will comprise the 28th meeting of the Conference of the Parties (COP 28), the fifth meeting of the COP serving as the Meeting of the Parties to the Paris Agreement (CMA 5), the 18th meeting of the COP serving as the Meeting of the Parties to the Kyoto Protocol (CMP 18), the 59th meeting of the Subsidiary Body for Implementation (SBI 59); and the 59th meeting of the Subsidiary Body for Scientific and Technological Advice (SBSTA 59). Learn more [HERE](#).

30 NOVEMBER - 12 DECEMBER 2023
Dubai, United Arab Emirates

2023 UN Climate Change Conference (UNFCCC COP 28)

SHARE THIS



AGU23 FALL MEETING

Dates: December 11th - December 15th, 2023. San Francisco, California & Online.

Each year, AGU's Fall Meeting convenes 25,000+ attendees from 100+ countries to share research and connect with friends and colleagues. Scientists, educators, policymakers, journalists and communicators attend AGU23 to better understand our planet and environment, opening pathways to discovery, opening greater awareness to address climate change, opening greater collaborations to lead to solutions and opening the fields and professions of science to a whole new age of justice, equity, diversity, inclusion, and belonging. We hope you'll join us in this incredible gathering of collaboration and action. We also hope you've submitted your project applications on August 7th! Register [HERE](#).



PROJECT HIGHLIGHTS



The Project GrEEEn: Utilizing an environmental justice lens and earth science data to enhance greenspace Equity, Exposure, and Experience

Team: Dr. Mahbub Meenar (Rowan University), Dr. Md Shahinor Rahman (New Jersey City University), Dr. Deepti Adlakha (North Carolina State University), Dr. Ted Howell (Rowan University), Graduate students - Ben Woodward, Jon Hansel, and Jenna Monaghan (Rowan University), and Collaborator - Dr. S.M. Labib (Utrecht University, Netherlands)

This project aims to follow participatory data collection and assessment processes to examine EEJ landscapes by analyzing one core issue which EJ and underserved urban communities face: *greenspace access*. In order to better understand greenspace access in EJ communities, the study aims to examine three significant topics that need further research: Equity, Exposure, and Experience. This study focuses on two communities of New Jersey, including the City of Camden and Jersey City. Read more [HERE](#).

Spatial and temporal variations in land surface temperature, vegetation and socioeconomic and health characteristics in frontline EEJ neighborhoods in New York City: Integrating Scientific Study with Community Perspectives

Team: Dr. Peter J. Marcotullio (Hunter College, CUNY), Dr. Andrew Reinmann (Advanced Science Research Center/Hunter College, CUNY), Dr. Mehdi Heris (Hunter College, CUNY), Janice Barnes (Adaptation Partners), Graduate students - Gowri Anand (Hunter College, CUNY) and Andrew Kittredge (Hunter College, CUNY)

This landscape project proposes a historical accounting of the relationship between land surface temperature (LST), normalized vegetation index (NDVI), greening and climate-related policies, and socio-economic change in neighborhoods within New York City. The project team examined temporal and spatial relationships from 1984 to 2023 to associate changes in LST, greening and climate-related policies, and socio-economic and health change in frontline EEJ neighborhoods. A major goal of the project was to identify the information useful for integrating community perspectives in the analysis. Read more [HERE](#).



ADDITIONAL RESOURCES AND OPPORTUNITIES



CALL FOR PAPERS

Special Issue: Make it Matter: Action research, community science, and participatory approaches that change the status quo

Manuscript Submission Deadline: March 15th, 2024

The editors encourage submissions of original research articles, reviews, policy briefs, practice briefs, case studies (national and international), and perspectives. Manuscripts written by academics, community representatives, joint community and academic collaborators, governmental staff, and those that center action research, community science, and other participatory research approaches are particularly desired. Student perspectives as well as international perspectives are also welcomed and encouraged. The deadline to submit a manuscript within the topic of community science is March 15, 2024. Learn more [HERE](#).

EJ COMMUNITY NEWS

HHS Launches Environmental Justice Community Innovator Challenge

The U.S Department of Health and Human Services (HHS) has launched a nationwide challenge with the aim of uplifting underrepresented communities facing the adverse affects of climate injustices. This challenge aims to address health inequities and supports President Biden's Justice40 initiative by taking the necessary steps to advance climate health. The challenge occurs in two phases with prizes of up to \$1,000,000. Entries for Phase 1 will be accepted until January 30, 2024. Learn more [HERE](#).

HHS Environmental Justice Community Innovator Challenge



FELLOWSHIP PROGRAM

Emerging leaders bridging science and impact

EJ COMMUNITY NEWS NASA Lifelines Fellowship Program

The NASA Lifelines' Fellowship program provides opportunities for graduate students who are interested, passionate, and/or experienced in the Humanitarian or Earth Science fields. The Fellowship will provide tailored opportunities to engage with programming across the Lifelines' ecosystem. There are five fellowships including Communications Fellowships (2X), a Community Tools Fellowship, a Program Fellowship, as well as a Strategy Fellowship opportunity. Fellows will be compensated with a \$5000 stipend for 5-10 hours a week of remote work over the course of 6 months. The application window will open April 2024. Learn more [HERE](#).

EXTERNAL RESOURCES

EJ in Mi'Kimaq & African Nova Scotian Communities

By: Ingrid Waldron | TEDxMSVU Women

Agents of Change in EJ Podcasts

By: Agents of Change

Environmental Justice Research Guide: Articles

By: DePaul Library

Environmental Justice Training Resources

By: US Department of Interior



AGENTS OF CHANGE

IN ENVIRONMENTAL JUSTICE

>>> INTRODUCTION TO EEJ <<<

The Equity and Environmental Justice Program (EEJ)

The 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 the EEJ Program and access our previous newsletters [HERE](#).

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