

Catalyst & Fast Track Grant Final Project Report

Section 1

Project title

Climate Changes Health: Ensuring Environmental Justice Underlies Public Health's Climate Change Work

Project team

- Garry Harris, Managing Director, Center for Sustainable Communities
- Adrienne Hollis, Director of Federal Policy, WE ACT for Environmental Justice
- Megan Latshaw, Chair of the APHA's Environment Section and Assistant Scientist, Johns Hopkins Bloomberg School of Public Health
- Carmel Price, Assistant Professor of Sociology, College of Arts, Sciences, & Letters, University of Michigan-Dearborn
- Natalie Sampson, Assistant Professor of Public Health, College of Education, Health & Human Services, University of Michigan-Dearborn
- Fatemeh Shafiei, Associate Professor of Political Science, Spelman College
- Samantha Shattuck, Co-Chair, National Environmental Justice Advisory Council Youth Perspectives on Climate Change Work Group
- Jessica Thomas, Outreach and Program Coordinator, Center for Science and Democracy - Union of Concerned Scientists
- Vernice Miller-Travis, Senior Advisor for Environmental Justice and Equitable Development Community Planning and Revitalization Group
- Melissa Varga, Community Manager and Partnerships Coordinator, Union of Concerned Scientists

Summary

Understanding climate change's disproportionate threats to health and recognizing existing efforts to address these threats, the APHA Environment Section's Environmental Justice (EJ) Subcommittee and national EJ leaders planned a pre-conference summit at the 2017 APHA Annual Meeting—*Climate Changes Health: Ensuring Environmental Justice Underlies Public Health's Climate Change Work*. This event was guided by the following objectives:

- To hear lessons learned from EJ leaders working to address climate change;
- To increase knowledge of EJ among public health experts working towards climate adaptation;
- To share perspectives, data, tools, approaches, and resources with public health leaders that can inform local climate planning efforts in ways that prioritize EJ issues;
- To develop new partnerships between community groups and public health professionals; and

- To develop a recommendations agenda for APHA and the public health community working to address climate change in ways that acknowledge and prioritize EJ.

With approximately 115 EJ leaders and public health practitioners, scholars, science and health advocates, funders, and students in attendance to advance work towards Climate Justice, the day included two keynote talks and storytelling from EJ leaders about lessons learned in their climate change work, as well as roundtables and lightning talks to share data, tools, and resources. The planning team has since identified key themes generated throughout the day collected from: 1) real-time, day-long participatory notetaking in a shared document; 2) documented responses to prompts during facilitated roundtables; 3) summit evaluation forms; and 4) other materials, including participant Tweets and quotes from panelists and keynote speakers. In addition, Yudith Nieto, a youth summit participant and organizer with Another Gulf is Possible, developed a brief video describing the summit with clips of keynote talks: <https://www.youtube.com/watch?v=a3og4RX9bzs>. The report summarizes the issue of Climate Justice for a public health audience and provides specific recommendations related funding, policy development, youth leadership, and the role of public health. Under the auspices of the American Public Health Association (APHA)'s EJ Subcommittee with many national leaders working at the intersection of science, policy, and advocacy, next steps have entailed several presentations by community-agency-academic teams and meetings with leadership at APHA to interpret and share findings.

Project background and approach

Longtime efforts of EJ leaders and scholars clearly document disparate patterns of cumulative environmental exposure and adverse health outcomes by race and income that are exacerbated by climate change. Given public health's commitment to health equity and social justice, attention to EJ must be central in public health's climate-related work. The Environmental Protection Agency documents various ways that marginalized populations may be at greater risk to climate's health effects — from not having access to linguistically- and culturally-appropriate public health warnings to having less ability to relocate in emergency situations. For example, in regard to extreme heat, it is well understood that those with pre-existing chronic conditions, poor access to transportation, low health literacy, and those living in older housing stock—factors often disproportionately experienced in frontline communities—are particularly susceptible to adverse health effects. Vulnerability assessments, which map out cumulative climate-related social and environmental stressors, are a common public health tool for identifying those most at risk. Many organizations advocate for climate planning that acknowledges documented disparities through these tools and others, sometimes with an EJ lens and sometimes not. However, these efforts are not systematically reflected in public policy nor are they always considered or fully integrated into local or national long-term sustainability planning.

Funded by the Graham Sustainability Institute (\$12,500), Turner Foundation (\$3,000), and Union of Concerned Scientists (\$2000), this work sought to identify recommendations to ensure that consideration of EJ underlies public health's climate change work. Emerging from the American Public Health Association (APHA)'s EJ Subcommittee, this summit and associated outputs were planned and implemented by a robust team of community, academic, and agency representatives: WE ACT for Environmental Justice, Union of Concerned Scientists, Eco Action, Center for Sustainable Communities, the National Association for the Advancement of Colored People, Skeo Solutions, John Hopkins University, Spelman College, and the University of Michigan-Dearborn. Planning entailed countless meetings to secure the location and food, identify speakers, hold a call for lightning speakers, solicit and identify scholarship recipients, develop roundtable strategies, and plan to evaluate the day. Further, regular meetings extended

beyond the summit through the end of March 2018 to allow for analysis and development of the summit report, a corresponding video, and sharing findings with diverse audiences at multiple conferences and with APHA staff.

With approximately 115 EJ leaders and public health practitioners, scholars, science and health advocates, funders, and students in attendance to advance work towards climate justice, the day included: 1) storytelling from EJ leaders about lessons learned in their climate change work; 2) lightning talks to share data, tools, and resources; 3) facilitated roundtable work sessions; and 4) two keynote speakers. Vernice Miller-Travis of Skeo facilitated the day's events. Keynote speakers included Richard Moore and Dr. Mildred McClain—both longstanding, accomplished, and respected EJ leaders. Mr. Moore is the Founder of the Southwest Network for Environmental and Economic Justice and the Chair of the EPA's National Environmental Justice Advisory Council (NEJAC). Dr. Mildred McClain is the Co-founder and Executive Director of Harambee House/Citizens for Environmental Justice and the recipient of the APHA 2017 Damu Smith Environmental Achievement Award. The planning team chose to focus on the Southeastern U.S. in inviting speakers to share their regional story, and as a practical decision to ensure costs for transportation and hotel could be covered. Attendees heard from the following community leaders about their frontline climate justice work:

- Reverend Brendolyn Jenkins Boseman (The Imani Group, Inc., Aiken, SC)
- Dr. P. Qasimah Boston (Children's Mental Health System of Care Expansion, Tallahassee, FL)
- Sherise Brown (Co-Chair, Turner Field Community Benefits Coalition, Atlanta, GA)
- Miaisha Mitchell (Tallahassee Food Network, Tallahassee, FL)

Through lightning presentations, presenters described a variety of applied approaches—from synthesis of local climate-related policies across the U.S. to examples of local adaptation and mitigation programs, to best practices in youth leadership. Speakers represented academia, community-based organizations, and federal agencies, with representatives from the CDC's Climate-Ready States and Cities Initiative and the National Weather Service.

Outputs

Over the 18 months, we planned and held the summit, analyzed and synthesized lessons learned from participants, developed a corresponding video, and are now in the process of sharing these products with diverse audiences. Additionally, five students received scholarships to attend the summit: Tina Bennett (University of Arkansas), Jessica Doan (University of Michigan-Dearborn), Adriana Garcia (Mailman School of Public Health, Columbia University), Ans Irfan (School of Medicine, Tufts University), and Augusta Williams (TH Chan School of Public Health, Harvard University). We are currently working to have the summit report posted on the APHA Environment Section's webpage:

Sampson, N. Hollis, A., Thomas, J., Shattuck, S., Latshaw, M., Harris, G., Price, C., Shafiei, F., Varga, M., Miller-Travis, V. & Lee, C. (2018). *Climate Changes Health: Ensuring Environmental Justice Underlies Public Health's Climate Change Work*. Washington D.C.: American Public Health Association - Environmental Justice Subcommittee.

On April 27, 2018, Sampson, Hollis, and Shattuck (with Richard Moore) shared the summit report and video at the National EJ Conference. We held an interactive component to get feedback on the recommendations in the report with approximately 30 participants from local and federal agencies, frontline communities, and academia—all with a strong interest or expertise in EJ. These slides will also be presented by Adrienne Hollis and Yudith Nieto at the

Environmental Justice and Health Disparities Symposium at University of Maryland on May 12th. We have also submitted an abstract to share the report and findings at the American Public Health Association's 2018 Annual Meeting in San Diego, CA in November of this year.

Outcomes

We foresee the long-term impacts of this work to include future scholarly and community-facing work that better draws connections between public health, climate planning, and environmental justice; more equitable climate adaptation plans; community groups that are better equipped with multidisciplinary evidence and partners to advocate for public health, and emerging and longtime scholars who better understand community concerns in their work towards diverse, equitable, and inclusive sustainability. We have started to achieve the following short-term outcomes:

1. *Dissemination of community and multidisciplinary perspectives, data, methodological tools and approaches, advocacy strategies, and resources.* By engaging frontline EJ leaders in development of the summit, the summit report, and video, we have created products that reflect community and professional perspectives. Those in attendance at the summit provided overwhelmingly positive feedback in the summit evaluations and anecdotally after the summit that the diverse participation was invaluable to informing their future work. Once finalized, we plan to share the report through our broad networks in academia, on the APHA EJ listerv, and through the National EJ Advisory Council, Union of Concerned Scientists, and WE ACT for Environmental Justice to inform local climate planning efforts in ways that prioritize communities experiencing cumulative risks.
2. *Clear recommendations—that reflect EJ voices—for the American Public Health Association, as a leading professional organization with nearly 25,000 members, as well as other professional organizations and agencies.* Our report concludes with specific recommendations for the public health field to consider. We hope to present these at the next annual meeting, within the active Environment Section, and in meetings with APHA staff over the next year. Given their leadership on climate-related health issues, we expect that APHA staff will accept and implement some of our recommendations to continue preparing its leaders in multi-sector climate planning efforts in ways that reflect EJ principles.
3. *Increased knowledge and network opportunities of students and youth.* Youth were central to planning, participating, and identifying takeaways from the summit. The planning committee included youth representatives, and, while demographics were not collected from summit participants, approximately 1/2 of the room self-identified as youth when asked to raise their hands at the summit. Additionally, to ensure active participation by youth, funding was acquired to cover the cost of five \$500 travel scholarships, which went to undergraduate and graduate students from campuses across the country. Youth were also asked to facilitate a series of afternoon roundtables, alongside policymakers, funders, and nationally recognized organizers.

Other findings

Please see the summit report.

Among the lessons learned and recommendations generated at this day-long event, one message was clear: conversations on climate change must put issues of justice and equity front

and center. Events like the *Climate Changes Health: Ensuring Environmental Justice Underlies Public Health's Climate Change Work* summit provide a valuable arena to remind us of the great potential of public health. It is well documented that climate change is already exacerbating existing inequalities in environmental exposures and health conditions. Like with other public health issues, response to climate change often misses solutions when excluding the public from the scientific, risk communication, and policymaking processes. Public health professionals and scholars must integrate climate justice centrally into their work, particularly at the local level to counter currently insufficient federal efforts.

In next steps, we must:

- Advocate for statewide climate-related policies that address EJ, drawing on lessons learned among early adopters;
- Leverage the bi-directional value of inter-generational learning, as well as the potential of underrepresented youth to lead and connect key representatives from communities, agencies, and academia;
- Shift funding paradigms to ensure grassroots organizations, particularly human capital, is valued and directly funded;
- Uplift APHA and key leaders in supporting partnerships between EJ leaders and public health by promoting venues for sharing local and scholarly expertise and directing resources to frontline communities where key solutions to climate change already exist.

References

Please see the summit report.

Section 2

Project team details

Nearly all project personnel remained active and generally surpassed their originally promised commitment to this work. Paul Mohai offered input and guidance during planning but was not able to attend the summit, unfortunately. We had the addition of Vernice Miller-Travis, Senior Advisor for Environmental Justice and Equitable Development Community Planning and Revitalization Group at Skeo. Miller-Travis was our summit facilitator and is a nationally renowned EJ leader with whom participants were familiar. The following list of team members includes contact information:

- Garry Harris, Managing Director, Center for Sustainable Communities | gharris@htsenterprise.com
- Adrienne Hollis, Director of Federal Policy, WE ACT for Environmental Justice | 202-495-3036 | adrienne@weact.org
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- Natalie Sampson, Assistant Professor of Public Health, College of Education, Health & Human Services, University of Michigan-Dearborn
- Fatemeh Shafiei, Associate Professor of Political Science, Spelman College | (404) 270 - 5653 | fshafiei@spelman.edu
- Samantha Shattuck, Co-Chair, National Environmental Justice Advisory Council Youth Perspectives on Climate Change Work Group | smshatt@umich.edu
- Jessica Thomas, Outreach and Program Coordinator, Center for Science and Democracy - Union of Concerned Scientists | 617-301-8056 | jthomas@ucsusa.org
- Melissa Varga, Community Manager and Partnerships Coordinator, Union of Concerned Scientists | (202) 331-5444 | MVarga@ucsusa.org



Presenting Summit Findings at the National Environmental Justice Conference on April 27, 2018: (L to R) Garry Harris, Natalie Sampson, Charles Lee, Adrienne Hollis, & Samantha Shattuck

Climate Changes Health: Ensuring Environmental Justice Underlies Public Health's Climate Change Work

November 4, 2017 | 9am-5pm

Hosted by: Spelman College, Atlanta, GA

8:00am: Registration

9:00am: Welcome

- Adrienne Hollis, WE ACT for Environmental Justice & Natalie Sampson, University of Michigan-Dearborn
- Fatemeh Shafiei, Spelman College
- Vernice Miller-Travis, Principal, SKEO & Associates

9:15am: Morning Keynote

- Richard Moore, Chair, National Environmental Justice Advisory Council, Program Director of Los Jardines Institute in Albuquerque, New Mexico and National Co-Coordinator of the Environmental Justice & Health Alliance for Chemical Policy Reform

9:45 am: Climate Justice Storytelling

Facilitated by Miller-Travis, during this session, we will hear lessons learned from EJ leaders working to address climate change, including challenges and opportunities for ensuring EJ is acknowledged and addressed in climate adaptation efforts.

- Reverend Brendolyn Jenkins Boseman, The Imani Group, Inc., Aiken, SC
- Dr. P. Qasimah Boston, Children's Mental Health System of Care Expansion, Tallahassee, FL
- Sherise Brown, Co-Chair, Turner Field Community Benefits Coalition, Atlanta, GA
- Miaisha Mitchell, Tallahassee Food Network, Tallahassee, FL

11:00am: Break

11:15am: Lightning Talks

Through quick 10-minute talks, speakers will share data, resources, tools, and general best practices to inform local climate planning efforts in ways that prioritize EJ issues.

- *Youth Perspectives on Climate Justice: The First Youth FACA Workgroup & Best Practices for Youth Engagement*
Samantha Shattuck & Kathy Tran, Youth Perspectives on Climate Justice Workgroup, National Environmental Justice Advisory Council
- *Building a Weather Ready Nation for ALL*
Garry Harris, Center for Sustainable Communities & Richard Hill, Office of Diversity and Inclusion, National Weather Service
- *Protecting Vulnerable Residents from Extreme Heat in the Industrial U.S.*
Carina J. Gronlund, Marie S. O'Neill, Amy J. Schulz, & Veronica Berrocal, University of Michigan School of Public Health
- *Surveying State & Local Policies to Address Climate Change's Environmental & Health Impacts*
Elizabeth Glass Geltman, School of Public Health, The City University of New York
- *Climate Change & Health*
Paul Schramm, Climate & Health Program, Centers for Disease Control & Prevention
- *A Preventative Health Approach to Environmental Justice*
Reverend Leo Woodberry, Kingdom Living Temple, Florence S.C.

12:30pm: Lunch & roundtable workgroups

Upon collecting their lunch, participants will engage in a lightly facilitated working lunch session to: 1) network, 2) instigate community-academic partnerships, and 3) develop recommendations for the public health community to better address climate change in ways that acknowledge and prioritize EJ.

2:30pm: Break

2:45pm: Report out & full group debrief - facilitated by Vernice Miller-Travis

3:30pm: Afternoon Keynote

- Dr. Mildred McClain, Co-founder and Executive Director, Harambee House/Citizens For Environmental Justice—APHA's 2017 Recipient of the Damu Smith Environmental Achievement Award

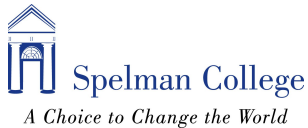
4:00pm: Closing Remarks & Networking

Convened by:

American Public Health Association - Environment Section's *Environmental Justice Subcommittee*



Organized by representatives from:



We acknowledge the generous support of:

University of Michigan's Graham Sustainability Institute

Turner Foundation

Union of Concerned Scientists

Wifi network: SpelGuest

Username: 1summit

Wi-fi password: 22C4

Follow us on Twitter:

#APHACS17

Share your notes here: <https://tinyurl.com/APHAClimateJustice>

Please note that we will be livestreaming and recording presentations and Q & A.

Keynote Speaker Bios

Richard Moore is a widely respected national leader in environmental justice. He currently serves as the Chair of the US Environmental Protection Agency's (EPA) National Environmental Justice Advisory Council (NEJAC); he was the first elected Chair of the council in 1993 and has also served as a member. Concurrently, he is the Program Director of Los Jardines Institute in Albuquerque, New Mexico and National Co-Coordinator of the Environmental Justice Health Alliance for Chemical Policy Reform (EJHA), advocating for stronger, safer, and just chemical policies. He is Co-Founder and Board Member of Just Transition Alliance and a Board Member of Coming Clean, Inc. Mr. Moore has served on numerous government and non-governmental committees and panels including Co-Chair of the National Council of Churches Eco-Justice Task Force, and Co-Chair of the Congressional Black Caucus National Environmental Policy Commission. He served as the Executive Director of Southwest Network for Environmental and Economic Justice (SNEEJ), in Albuquerque, New Mexico, from 1993 to 2010 after 12 years with the Southwest Organizing Project (SWOP) where he was the lead organizer and primary trainer of SWOP's organizing model. Mr. Moore received Health Care Without Harm's highest distinction the 'Environmental Health Hero Award', at the national CleanMed conference held in Dallas, TX in 2016. In 2015, he was inducted into the Civil Rights Hall of Fame Hall of Resistance in Selma, Alabama. He is also a recipient of the 2005 Ford Foundation Leadership for a Changing World Award.



Dr. Mildred McClain co-founded and currently serves as the Executive Director of the Harambee House/Citizens For Environmental Justice, a community based organization whose mission is to build the capacity of communities to solve their problems and to engage in positive growth and development. The organization was created in 1990, is located in Savannah, GA and serves communities at the local, state, regional, national and international levels. Dr. McClain has been a human rights activists and teacher for over 40 years. She has served on numerous committees, commissions, working groups and boards. She created major partnerships with the Department of Energy, Environmental Protection Agency, Agency for Toxic Substances and Disease Registry, Centers for Disease Control and many community-based organizations, with the goals of addressing public health and environmental justice issues and concerns. Dr. McClain served as an efficient delegate to the World Conference Against Racism and the World Summit on Sustainable Development both held in South Africa. Under Dr. McClain's leadership for the past 20 years the Black Youth Leadership Development Institute has trained over 1500 young people to serve as leaders in their communities. Dr. McClain is a mother and grandmother. The goal of the work is to develop the capacity of our community to create lifestyles that promote health, wellness and environmental sustainability. Through community gardens, health fairs, testing children for lead poison, and soil testing in contaminated communities. Dr. McClain is also the recipient of APHA's 2017 Damu Smith Environmental Achievement Award.



Facilitator Bio

Vernice Miller-Travis is the Senior Advisor for Environmental Justice and Equitable Development at Skeo, and a Senior Facilitator. Vernice is nationally recognized for her expertise in environmental justice and equitable development, and environmental and cross-cultural conflict mediation. She is sought after for her expertise in multi-stakeholder design and planning, environmental justice, brownfield redevelopment and equitable development, community revitalization, and collaborative problem solving. She has successfully facilitated meaningful and productive dialogues among federal agencies, state, tribal and local governments, industry and communities challenged with environmental justice concerns and burdened by historical divisions. As an Urban Planner and senior member of the Community Planning and Revitalization Group at Skeo, she provides technical expertise for collaborative planning and design services in community sustainability and environmental justice, community restoration and revitalization, and Superfund and other environmentally impaired site reuse.

From 2010 until 2017, Vernice also lead a coalition of civil rights and environmental justice advocates to successfully press for the development of a Civil Rights Enforcement toolkit and reorganization of the Office of Civil Rights at U.S. EPA.

Prior to joining Skeo in 2010, Vernice served as the Executive Director of the Environmental Support Center and Groundwork USA, a Program Officer at the Ford Foundation where she launched their environmental justice grantmaking portfolio, Director of the Environmental Justice Initiative at NRDC, and served as a research assistant for the groundbreaking report *Toxic Wastes and Race in the United States* published by the United Church of Christ in 1987. She is also the co-founder of We ACT for Environmental Justice.

Speaker Bios

Dr. P. Qasimah Boston is committed to the elimination of health disparities and health inequity. She has experience in community organizing, grassroots environmental justice, public health and behavior science. Her body of work consist of over 40 years of activity. Dr. Boston's was born in Boston during an era of challenge and change. Desegregation of schools was violent and she and her sisters experienced this violence in their determination to obtain education. Dr. Boston is a Certified Health Education Specialist and an International Certified Prevention Specialist. She has participated in community based participatory research projects, community evaluations, community engagement activities, interdisciplinary research and practice and continues to utilize participatory action practice in her work approach. A nationally known author of several published articles on obesity, Photovoice, genomics, anthropology, a contributing author of "In the Midst of the Storm," (*in print*); President of the Board of Directors for the Tallahassee Food Network and a team player.

Sherise Brown is the Co-chair of the Coalition for Community Benefits, formerly known as Turner Field Coalition, and longtime resident of Peoplestown in Atlanta, Georgia. The Coalition for Community Benefits is a vehicle for community-led, resident-centered advocacy for equity in this community. Together, neighbors, students, advocates, and allies work to empower community engagement. For too long, residents have been left out the process by inequitable profit-driven development.

Elizabeth Ann Glass Geltman is the author of seventeen books on environmental and natural resources policy and is associate professor at the City University of New York (CUNY) School of Public Health, secretary of the Environmental Section of the American Public Health Association and director of the Atlantic Emerging Technologies and Industrial Hygiene Training Center funded by the National Institute of Environmental Health Sciences (NIEHS) Superfund Research Program.

Carina Gronlund is an environmental epidemiologist and postdoctoral research fellow in the University of Michigan School of Public Health's Center for Social Epidemiology and Population Health. In collaboration with a multi-disciplinary team of researchers and Detroit community partners, she is studying how housing characteristics affect vulnerability to extreme heat and extreme precipitation. This research will help cities understand how to adapt to heat, heat waves and heavy rainfall in a changing climate.

Garry A. Harris is the Managing Director for the Center for Sustainable Communities, a non-profit dedicated to making communities cleaner, greener, healthier, safer and more climate resilient through an equity, faith and environmental justice lens using engineering, technical assistance research, project and program development, technical assistance, policy and advocacy. He is also the President of HTS Enterprise (energy engineering) and CEO of the Sustainability Solutions Group (SSG). He has more than three decades of experience in the management and delivery of a broad portfolio of climate, energy and environmental projects and programs.

Reverend Brendolyn Jenkins Boseman is a Pastor of Hudson Memorial CME Methodist Church and Executive Director of the Imani Group, Inc., a community based non-profit grassroots organization in Graniteville, SC. She is a leader on environmental justice and criminal justice issues, grassroots organizing, youth leadership development, and diversity development. She is currently pursuing a Master of Divinity at the Phillips School of Theology at the Interdenominational Theological Center, Atlanta, Georgia. She always credits her mother for passing the mantle of spirit, the duty of activism and the call of advocacy. Reverend Boseman has coined a phrase “full circle activism” that means moving from education, to empowerment, to employment benefits and economic power that transforms entire communities.

Miaisha Mitchell serves as the Executive Director of the Greater Frenchtown Revitalization Council. Born and raised in Tallahassee, Ms. Mitchell has a profound love for her community and the health of community residents. She served as Director of the Florida Commission on Minority Health and on various boards such as the Tallahassee Housing Authority, the Tallahassee Childhood Obesity Prevention and Education (COPE) Coalition and the Frenchtown Southside Community Advisory Committee. She is co-founder of the Tallahassee Food Network (TFN) iGROW Community Gardens, the Health Equity Alliance of Tallahassee (HEAT) and the Maternal Child Health Equity Collaborative. Ms. Mitchell has earned her name as a community organizer and was recently awarded the Florida Champion of Service by Governor Rick Scott. She knows all too well the importance of community empowerment, collaboration and engagement receiving the Martin Luther King Jr. 2015 Humanitarian Award and the 2016 Trailblazer in Service.

Samantha Shattuck is a Public Health Specialist with Pegasus Technical Services, a contractor of the US EPA, where she works on Health Impact Assessments on projects across the country. Samantha currently serves as the co-chair of the National Environmental Justice Advisory Council Youth Perspectives on Climate Change; the first youth federal advisory council work group. She is a graduate of the University of California, Santa Cruz and the University of Michigan, School of Natural Resources and Environment (SNRE). She presented at the UNFCCC COP 20 on youth engagement in climate change and has led workshops on public participation and youth engagement in climate justice at the International Conference of Youth in Peru and other events.

Paul Schramm is a Health Scientist with the Climate and Health Program at the Centers for Disease Control and Prevention (CDC). Paul coordinates the Climate and Health Program’s science activities and partnerships. His work focuses on the human health effects of climate change, including the impacts of heat waves, extreme weather events, and vector-borne disease.

Kathy Tran is a doctoral student in environmental health at the UC Berkeley School of Public Health. Her interest in the health and disproportionate impacts of climate change began at Emory University, where she completed her Master of Public Health. During her time there, she had the pleasure of working on projects with vulnerable populations and collaborating with policymakers in India and Atlanta, GA. She continues to integrate climate justice into her work and is committed to translating the results of her work to improve public policy. She is currently identifying the relationship of CA oil/gas relative to prenatal health outcomes and drinking water resources.

Reverend Leo Woodberry is the pastor of Kingdom Living Temple, Executive Director of New Alpha Community Development Corporation in Florence, SC and a member of the SC Environmental Justice Network. He became involved in environmental work in the 1990s with the SC Department of Health and Environmental Control (SC DHEC) around the issue of mercury emissions and advisories. Today, he works in the areas of water, air, and renewable and sustainable energy issues with the SC DHEC and the US EPA.

Climate Changes Health: Ensuring Environmental Justice Underlies Public Health's Climate Change Work

Let's get to work. Here's your assignment:

12:30 - 1:00: Get your lunch, settle at your table, and introduce yourself. During this time, be sure to identify a notetaker who can share their notes electronically, if possible. Notes can be placed here: <https://tinyurl.com/APHAClimateJustice>. Also, be sure you identify 1-2 people that may be willing to act as a spokesperson.

1:00 - 1:30: Debrief what you learned during the morning keynote, storytelling, and lightning talks. You heard from representatives from community, government, non-profit, and academic settings. In particular, please discuss the following prompt:

- 1. What recommendations do you have to ensure public health is effectively addressing climate justice? Consider challenges that must be addressed, new opportunities that must be pursued, and partnerships that should be created, dissolved, or uplifted.***

1:30 - 2:30: During this time, you will be visited by 2 teams, including those with expertise related to 2 of these stakeholder categories: 1) funders, 2) policymakers or experts, 3) leaders in collaborative movements, 4) youth leaders, and 5) APHA staff and members. The first team will share a bit of their knowledge and lessons learned to inspire your discussion for 30 minutes. Then, you will repeat this with a second team. Based on what you hear, please address these two prompts after each visit:

- 1. What is the current role of _____ (e.g., funders, policymakers) in ensuring public health is effectively addressing climate justice?***
- 2. Related to what you heard from this team and the work that you do, what recommendations do you have to ensure public health is effectively addressing climate justice?***

2:30 - 2:45: Take a break and come back ready to debrief with the full room.

Additional Questions

Are you attending the American Public Health Association's Annual Meeting as well? Yes No Not Sure

In just a few words, please tell us how you learned about this Climate Justice summit.

Open-Ended Questions

What was the most valuable aspect of the summit?

What are 1-2 aspects of today's summit that could have been improved?

How do you envision you will apply what you have learned from today's summit? Consider any new or improved approaches, resources, tools, partnerships, etc.

Based on today's discussions, what is one recommendation you have to ensure that EJ underlies public health's climate change work.

Are there any other comments about today's summit that you would like to share with us?

*Thank you for taking the time to complete this survey! Please turn it in **before** you leave today's summit.*

Additional Resources: Articles, Reports, Toolkits, & Websites

In our summit registration questionnaire, we explained to participants: "We plan to generate and share a list of resources (e.g., reports, toolkits) that are particularly useful for community organizers, public health professionals, and scholars working on climate justice. Please list 1-2 materials that you think should be on this list." This yielded the following list, which is meant to be supplemental and not exhaustive. All weblinks were accessible as of August 2018.

1. Climate Access. (n.d.). *Climate Justice Resources*. Available at: <https://climateaccess.org/resource/collection/climate-justice-resources>.
2. Climate for Health. (2017). *Mental Health and Our Changing Climate: Impacts, Implications, and Guidance*. Available at: <http://climateforhealth.org/mental-health-impacts-report>.
3. Climate Justice Alliance. (2017). *Just Transition Principles*. Available at: https://drive.google.com/file/d/0BxqkHpIIFq_eWk9QR1JwNFRDSndzZEVwRmtWZkZFcXdWWTBn/view.
4. Corso, L., Hunter, C., Briseno, L., Luber, G., Bouye, K., & Hutchins, S. (2017). *Indicators of Climate Change in California: Environmental Justice Impacts Report*. Sacramento, CA: Office of Environmental Health Hazard Assessment. Available at: <https://oehha.ca.gov/climate-change/document/indicators-climate-change-california-environmental-justice-impacts-report>.
5. Cushing, L.J., Wander, M., Morello-Frosch, R., Pastor, M., Zhu, A., & Sadd, J. (2016). *A Preliminary Environmental Equity Assessment of California's Cap-and-Trade Program*. Available at: <https://dornsife.usc.edu/PERE/enviro-equity-CA-cap-trade>.
6. Environmental Justice for All. (2017). *EJ Tools*. Available at: <https://ej4all.org/ej-tools>.
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