

THE BALTIMORE SOCIAL-ENVIRONMENTAL COLLABORATIVE

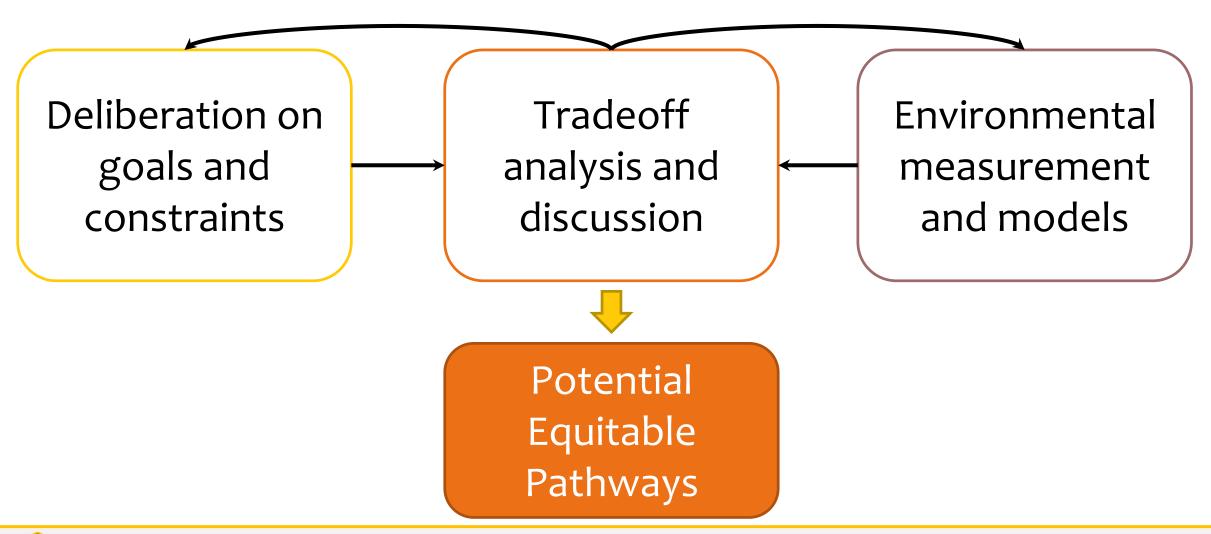
Status Report

The BSEC Mission

The Baltimore Social Environmental Collaborative will produce the urban climate science needed to inform community-guided potential equitable pathways for climate action

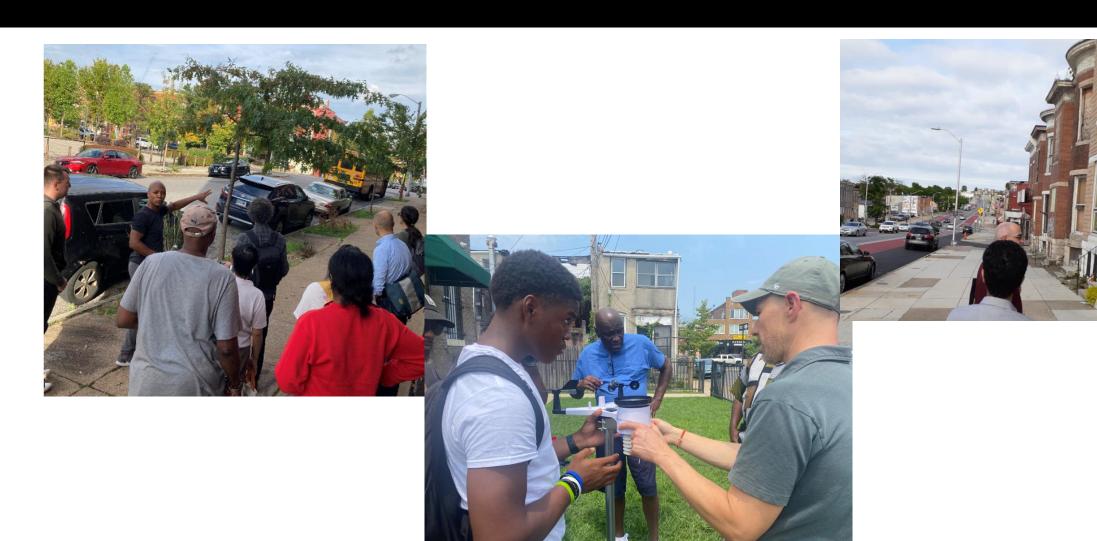


The BSEC Process





What BSEC does for science













We need to do this together

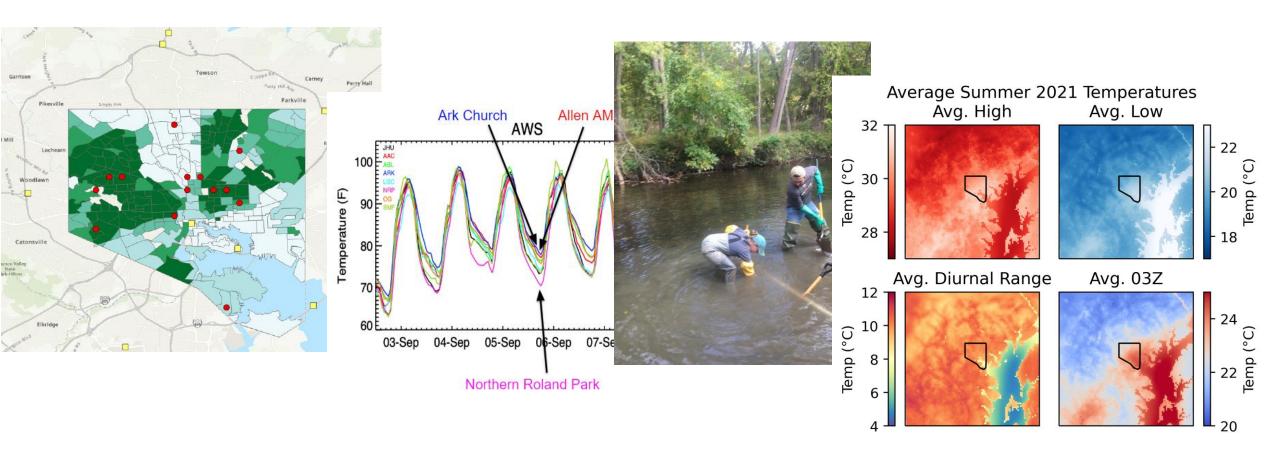
- Community scientist activities
- Education and engagement programs
- Leveraging BSEC for implementation grants
- Putting decisions and datasets in the hands of the community



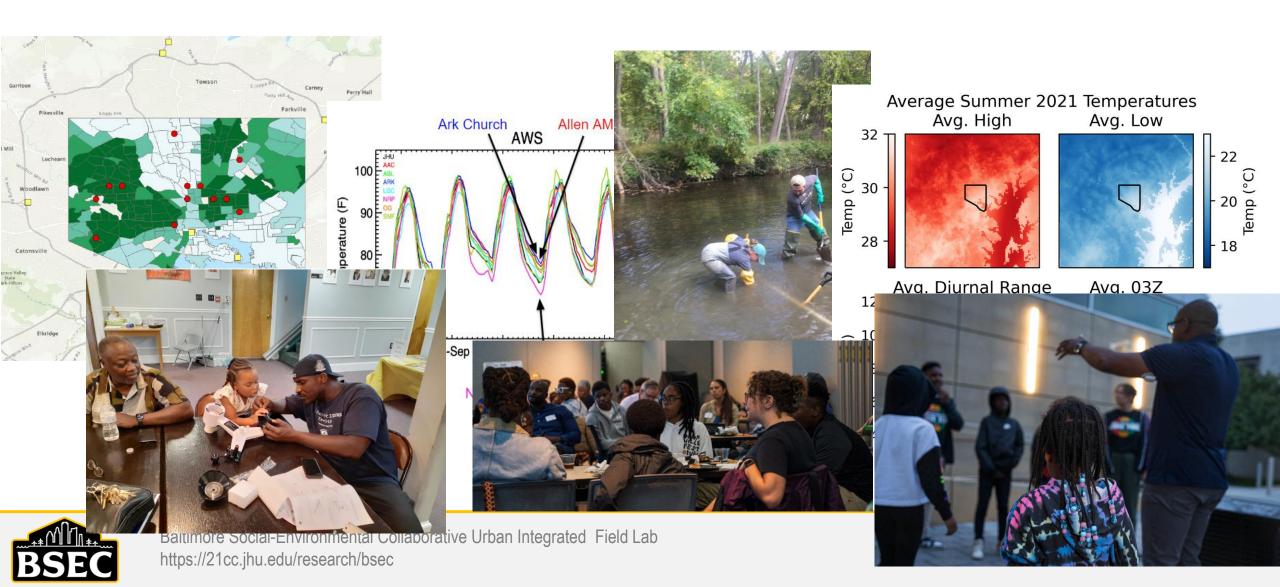
Knowledge Flows







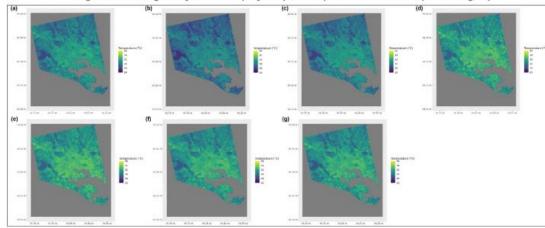






2023 Baltimore City Disaster Preparedness and Planning Project (DP3)

Figure 9-3. Average Daily Maximum (Daytime) Air Temperature for Summer (June - August)



Source: Corpuz. et al. 2023

GWITH PARTNERS

plan in action, we will work with communities, particularly frontline and environmental justice s who are most directly affected by climate change, to address community climate priorities while also broader, city-wide strategies. We will also make sure that the City government keeps its commitments. actions, we seek to build trust, accountability, and track implementation progress as guided by our ementation Framing in the 2019 Sustainability Plan.

r, we seek to co-create local solutions with frontline and environmental justice communities who face t challenges from climate change.

RE SOCIAL-ENVIRONMENTAL COLLABORATIVE (BSEC

vear research effort in Baltimore funded by the Department of Energy, aiming to generate the climate ded to inform equitable climate action in Baltimore. It is a research collaborative that includes Johns iversity, Morgan State University, Pennsylvania State University, University of Maryland Baltimore County, esearch institutions, Baltimore City government, and community partner organizations. This collaboration archers, community, and City government provides a team that can co-generate climate action ideas and ist evaluation of climate actions as they are implemented.

nd how Baltimore experiences climate change, with a focus on partnering with Baltimore communities. neighborhoods – especially those currently under served by climate measurements – will host sensors to heat, water, gases, pollutants, wind, and more. There will also be opportunities for community-engaged collecting this data is an urgent scientific contribution because climate change in cities is not well

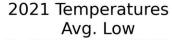
te with communities to identify climate action strategies that achieve residents' goals in alignment with 2023 Climate Action Plan, as informed by local priorities and place-based knowledge. Climate strategies be suited to specific neighborhoods. Improving equity is a key focus.

nd evaluate ways to integrate community members into the research process.

Baltimore Climate Action Plan Update | January 2024

nd evaluate a decision support tool, the "Equitable Pathways" process, that analyzes many possible ions and identifies promising solutions that can be evaluated by the community and researchers.

nat the community is always benefiting from the science being done.









Work to be done

- Build knowledge flow paths between researchers and community members
- Integrate BSEC to active climate action projects
- Move our equitable pathways process forward
- Continue building the foundation for actionable climate science.
 - ... including through CoURAGE!



Thank you

