Part of the Session "Community Science: Strengthening Community Capacity to Use Science Effectively" AAAS Meeting, 2017

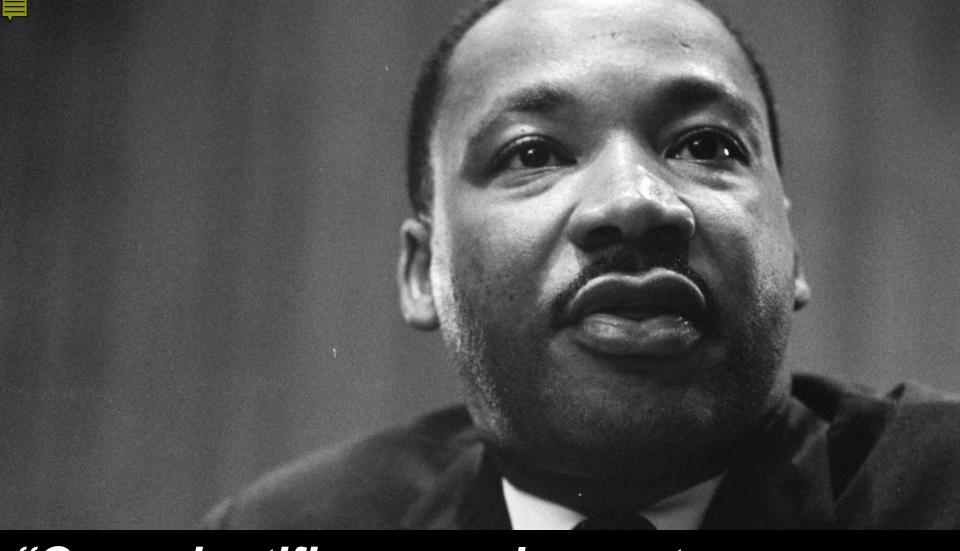
Raj Pandya

Advancing Community Science

Scaling Impact



Unprecedented impact, inequity, and interdependence



"Our scientific power has outrun our spiritual power. We have guided missiles and misguided men."



We need an additional approach

































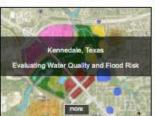




































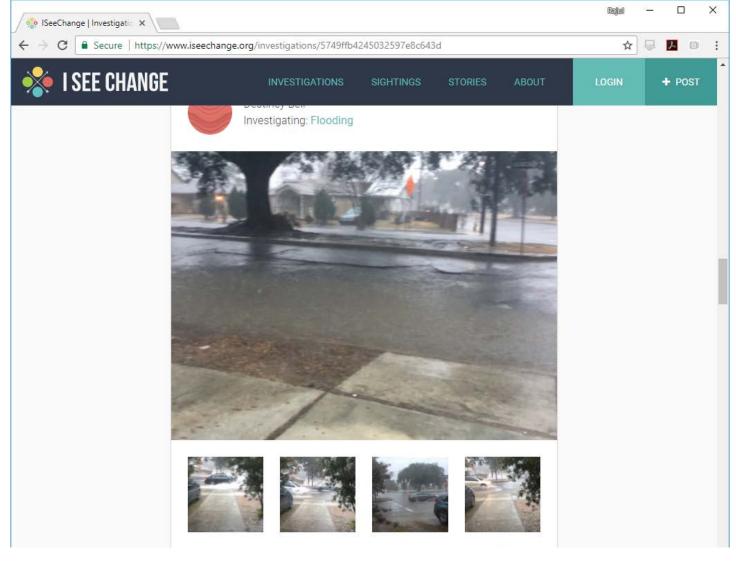
Reno, Nevada Evaluating Local Climate Risk and Identifying Resilience Opportunities



How TEX does Community Science







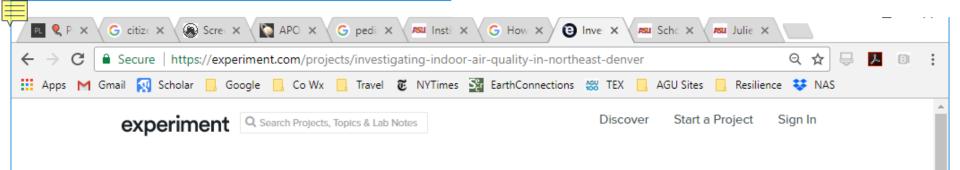
New Models





New Education Approaches





Investigating Indoor Air Quality in Northeast Denver

By Ashley M. Collier, George Ware, PG Iwasaki, LaShonn Billingsley, Debbi Main, Raj Pandya, and Brian Fauver

Backed by Vidyut Pandya, Gina McAfee, Rajul Pandya, George Ware, Debbi Main, Evan, Denny Luan, Billy Williams, Carol Jones & Greg Withers, Gail Ryan, and 25 other backers >



\$4,250

Raised

100%

Funded on 8/26/15

New Funding Models











New Rewards and Incentives













Institutional Leadership

Thank you

rpandya@agu.org



Thank you

rpandya@agu.org

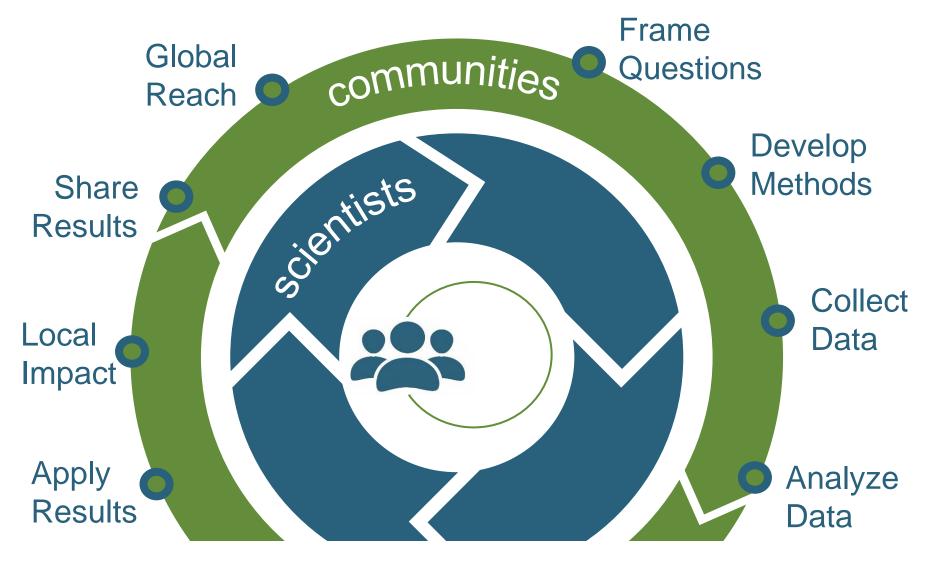








	Scientists	Community Decision-making
Timescales	Next steps wait until information is available	Deadlines drive action with or without available information
Deliverables	Process and communication oriented, null results are still useful	Decision-oriented, null results are often seen as time lost
Typical Output	Papers – methods and results primarily for peers	Tools to help non-peers make decisions: cost- benefit analyses, scenarios, etc.
Orientation	Toward highest possible precision and accuracy	Learn enough to make a decision and move on
Budgets	Tight and scrutinized	Tighter and, if possible, even more scrutinized
Science	Primary factor	One of many factors
Collaboration	Shared values	Negotiating compromises across different values
Decision-making	Evidence-based (credibility-based)	Consensus-based (legitimacy based)
Publicity	Project leads decide when to publicize	Part of a larger public process
Motivation	Actions and Solutions	Questions or Understandings



Community Science





Wicked problems



New Communities of Practice







Advancing Community Science



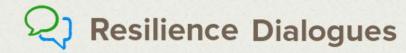


① http://resiliencedialogues.org









ABOUT GET INVOLVED COLLABORATORS NEWS CONTACT LOG

Resilience Dialogues helps you explore and discuss climate-related risks facing your community and take the first steps toward resilience.



New & Noteworthy: Lorem ipsum dolor sit amet, consectetur adipiscing elit.





Resilience Dialogues is a public-private collaboration that works to build climate-resilient communities through facilitated dialogues among scientists, practitioners, and community leaders. It is coordinated by the U.S. Global Change Research Program (USGCRP) and the American Geophysical Union's Thriving Earth Exchange, and overs a leadership team. The online platform is developed by the Massachusetts Institute of Technology (MIT) Center for Collective Intelligence.

New Tools

