

Integrating Environmentally-Friendly Design into a Municipal Complex Design Midway, GA



Rain Water Cisterns

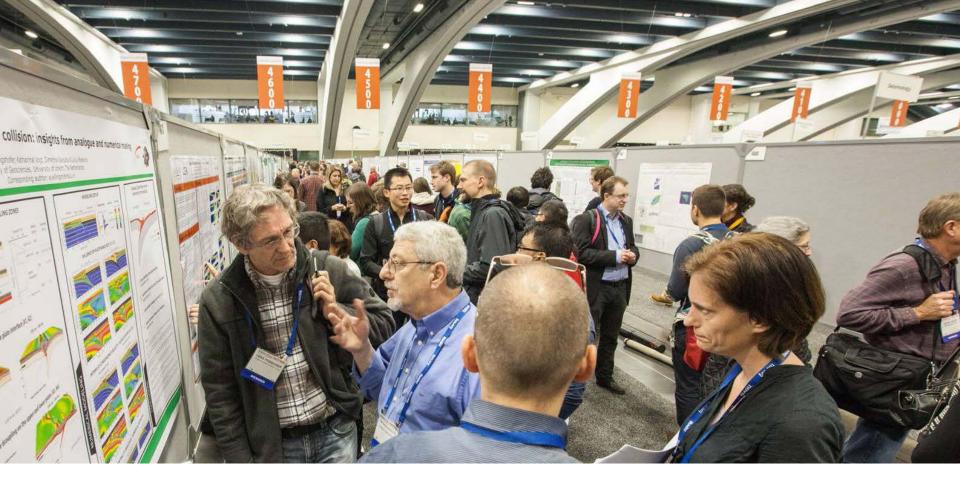


Green Roof

Lowers operating costs and protects investment from flooding



Rain Garden



Promoting discovery in the the Earth and Space Sciences







for the benefit of humanity





Last Mile



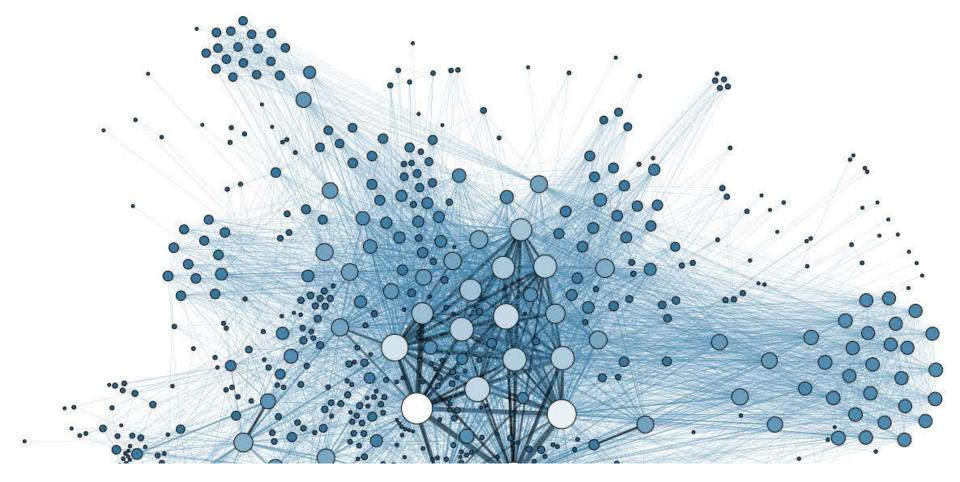




Community driven



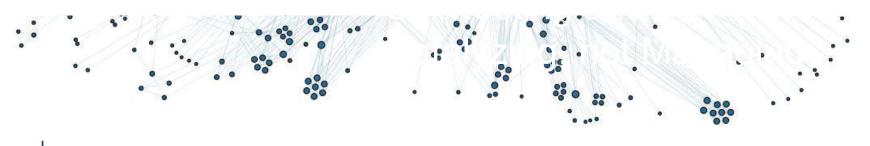




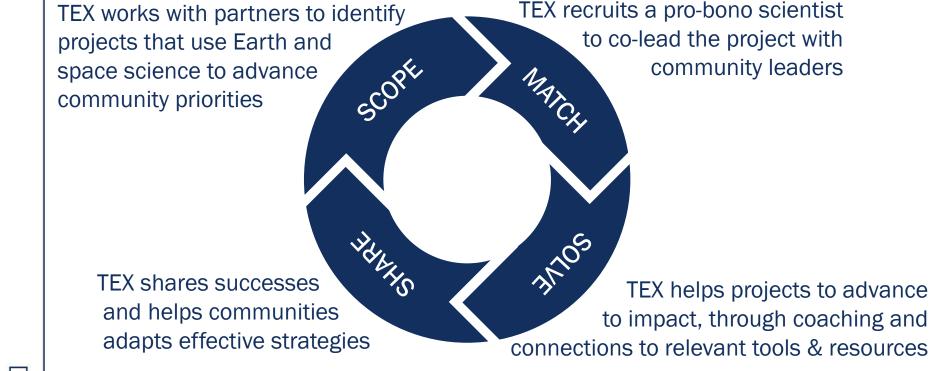
Exchange



Powered by **AGU**



Four Modules to Impact



@AGU



Denver-area community group Taking Neighborhood Health to Heart sought researchers to investigate airquality problems. The Thriving Earth Exchange and the University of Colorado, Boulder agreed to help, and a partnership was born.

Crowdfunded

35 backers raised a total of

\$4,250 for the project

Community



Project leaders held a community meeting on the dangers of radon and PERC. They handed out donated radon tests and recruited volunteers for a new, low-cost PERC test using dosimeter tubes.

Pilot Test

15 homes received, for free:



A conventional radon test (cost \$25).



A conventional, passive diffusion tube PERC test (cost \$100)



Two dosimeter tube PERC tests (cost \$16)



Dosimeter tubes have previously only been used to test short term, occupational exposure. This study is the first to try dosimeter tubes in a

Chemical Remediation in Local Neighborhoods

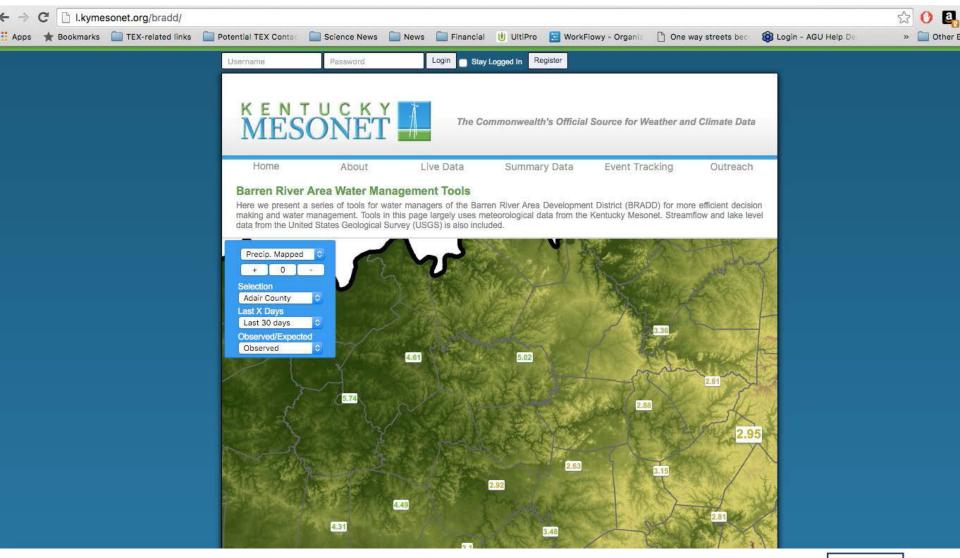
Denver, CO

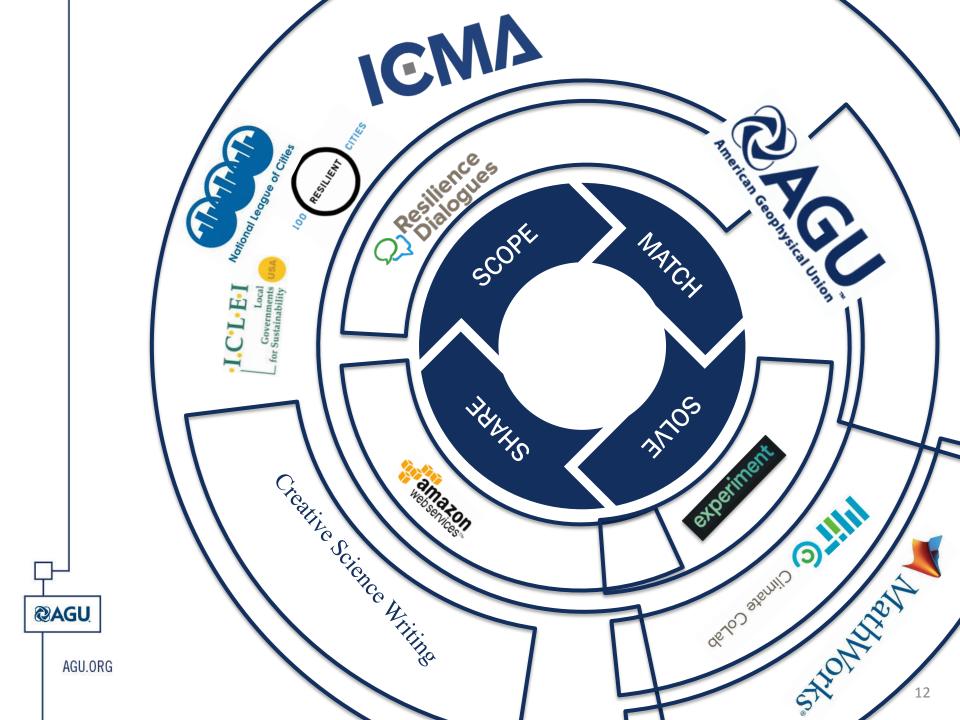


Integrating Met Data for Improved Water Management

Barren River, KY

Kentucky Mesonet







Impact so far

Project	Immediate Impact	Sharing Potential
Midway	Students learn how to integrate environmentally-friendly design into current design; Midway receives a comprehensive municipal building design plan.	Other similar communities may be able to use and replicate municipal design plan.
BRADD	Water managers in 10 counties have a new tool and better data to manage water	159,000 farmers impacted by water policies; opportunity to share tool via AWS
TNH2H	20-200 Denver residents who remediate their homes	20,000 neighborhood residents who benefit from neighborhood wide remediation; Other communities can use proven kits



TEX brings together Earth and space scientists and community leaders and helps them combine science and local knowledge to solve on-the-ground challenges related to natural hazards, natural resources, and climate change. By 2019, we will launch 100 partnerships, catalyze 100 shareable solutions, and impact the lives of 10 million people.





thriving earthexchange.org/call-for-city-challenges/
to submit a community challenge

or

Raj Pandya
rpandya@agu.org or
Natasha Udu-gama
nudu-gama@agu.org

@AGU

15

Follow us on Twitter @ThrivingEarth