**Purpose/Utility of Research**

Promote Local-Scale Cumulative Risk Assessment (CRA)

1. EPA Regions (EJ, Engagement, Technical and Procedural Assistance)
2. Community Organizations (Data- and Value-Driven Assessments)
3. Evaluate stressors, responsibilities, purview, risk management options
4. Relative ranking of disparate stressors using novel risk assessment + decision analysis method
5. Develop cross-cutting solutions to multiple stressors

**Highlights**

Succinctly share the key messages relevant to program office and regional partners.

1. CCAT assessments include both data and expert/stakeholder values
2. Relative ranking of stressors is informative for prioritizing solutions
3. CCAT can house model results, citizen science measurements, and adverse outcome pathways to support CRAs
4. This method is generalizable and transferable: applicable to various situations, but tailored to each unique situation
5. CCAT informs decision-making, but it is the users who still have to make the decisions

**Connection to SHC Portfolio**

- 2.2.1. Enhancing Community Public Health
- 2.2.3. Securing and Sustaining EJ
- 1.61 Decision Science & Support Tools
- 2.62 Community Public Health and Well-Being
- 4.61 Systems-Based Assessment Methods for Community Sustainability

**Application & Translation**

How has this work been used (be specific)?

Newport News, VA – engaged CARE community organization, Sierra Club, Region 3, and ORD to identify port, interstate, ship-building, and coal-storage stressors; developing action plan through 2015 for risk reduction strategies

Newark, NJ – collaborate with Region 2, Ironbound Community Corporation, and ORD to develop and include citizen science measurements into assessment of multiple stressors, outcomes, stakeholders, and potential solutions

Chicago, IL – work with Region 5, Univ. of Illinois, and CARE partnership to develop best practices and risk reduction strategies related to EJ and Superfund considerations

Charleston, SC – partnership with Region 4, SC Port Authority, Army Corps of Engineers, and ORD to develop predictive port AQ model and evaluate projections of development

How do you see this research being used by the Agency, scientific community, or community stakeholders inside or outside the Agency?

CCAT is a novel method that combines decision analysis and risk assessment to identify, evaluate, rank, and prioritize stressors and solutions. It can be used as a platform to integrate other models and measurements during a CRA, or to determine research and resource allocations.