The First Annual
Urban Climate Institute

*The Science and Impacts of Urban Warming*

Science Museum of Minnesota
July 31 – August 1, 2013
The Team

- Peter Snyder (PI) – Atmospheric Science
- Tracy Twine – Atmospheric Science
- Pat Hamilton – Informal Science Education
- Marshall Shepherd – Atmospheric Science
- Brian Stone – City and Regional Planning
- Molly Phipps – Informal Science Education
- Steering Committee Members
The goal of the RCN program is to advance a field or create new directions in research or education by supporting groups of investigators to communicate and coordinate their research, training and educational activities across disciplinary, organizational, geographic and international boundaries.

RCN provides opportunities to foster new collaborations, including international partnerships, and address interdisciplinary topics. Innovative ideas for implementing novel networking strategies, collaborative technologies…
Focus on interdisciplinary topics that will advance sustainability science, engineering and education as an integrative approach to the challenges of adapting to environmental, social and cultural changes associated with growth and development of human populations, and attaining a sustainable energy future.
Urban Climate Institute Goal

- To advance urban climate science and to create new directions in research, application, and education by bringing together scientists, urban planners, engineers, and public health professionals to communicate and coordinate urban climate research activities across disciplinary boundaries.

- To facilitate dialog between researchers and practitioners with the intent of:
  - communicating new and pertinent research findings among and with practitioners
  - learning about practitioners’ challenges and needs
Urban Climate Institute

*Four Summer Meetings*

- **2013** – Science and Impacts (Saint Paul)
- **2014** – Urban Warming and Public Health: Implications and Adaptation (Atlanta)
- **2015** – Engineering, Urban Planning, and Mitigation of Urban Warming (Atlanta)
- **2016** – Urban Warming and Informal Science Education and Outreach (Saint Paul)
The Plan – Day 1

- Research Coordination and Networking
  - Four Topics:
    - Urban Warming – drivers
    - Urban Warming – mitigation
    - Urban Hydrometeorology
    - Urban Warming and Human Health

- Share and discuss new research directions

- Identify what we want to communicate to practitioners
The Plan – Day 2

- Research Coordination and Networking
  - Four Topics:
    - Twin Cities Urban Heat Island
    - Urban Heat Islands and Human Health
    - Urban Heat Islands Hydrometeorology
    - Urban Heat Islands and Ecosystems

- Share research findings with practitioners
- Learn about what YOU need
Questions for Thought

- What are the pressing research problems in your topic area that relate to urban warming?

- What are the broader implications of urban warming?

- What are the biggest uncertainties and challenges in your topic area that relate to urban warming?

- What is the future of your research topic area? How do you see the field evolving as it pertains to urban vitality?

- What important aspects of your research topic do you think need to be conveyed to the end user communities?

- For practitioners, what do you need from the research community?

- What are the needs of the end user communities? What needs are not being met? If needs are not being met, why not?
Evaluations

A goal of the RCN is to develop innovative ideas for implementing novel networking strategies...

- To do this we need to know what works, what doesn’t work, and what you might like to see added to the format to improve the institutes.

- For speakers and topic leaders, we will email you with a link for an online survey after the institute.

- For everyone else, we will have paper evaluations at the end of the day.