

Gas Monitoring System





*Member Boston Green Ribbon Commission Example of a stakeholder map for Boston (Lusk & Ogino, CO2-USA Workshop 1 presentation, 2017)



CO₂ Urban Synthesis & Analysis Network (CO₂-USA)



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Workshop 1: Build a community and shared datasets (Nov 6-7, 2017 @ NIST in Gaithersburg, MD) Focus on research coordination, development of common standards, data sharing, and cross-city analyses.

Workshop 2: Scalable & transferable atmospheric modeling (Oct 24-25, 2018 @ University of Utah in Salt Lake City, UT) Focus on development, application, testing, and scalability of an extendable model/data framework. Contact John Lin, Logan Mitchell, or

Workshop 3: Synthesize across cities with user communities (TBA 2019 @ Boston University in Boston, MA) Focus on scientific synthesis across the data-rich U.S. cities, comparison with results from US and international collaborators, and extension to national and international scales. Carbon emissions from the various cities will be estimated and compared, and the results presented.

6. User Community & Stakeholder Engagement

Value proposition to cities:

- 1) Retrospective: Assessment of economic/social values of emission reduction efforts
- 2) Diagnostic & Prognostic: Mitigation guidanceestimated impacts, prioritization and cost/benefit analysis
- 3) Trend detection
- 4) Policy relevant timescales
- 5) Evaluation of scope 1 inventory
- 6) Hot spots/attribution bias & knowledge gaps
- 7) Value of carbon sinks

- Developed project website. Includes Resources for cities to ensure data is visible & accessible to stakeholders • Paper summarizing Workshop 1 highlights has been
- submitted to Earth's Future (Gately et al., in review) Educated scientific community on stakeholder needs
 - Workshop 1 included a presentation from the San Francisco Sustainability Manager & others working with cities domestically & globally on climate mitigation & adaptation
 - Stakeholder mapping exercises, presentations on citylevel tools, data methods, governance, maturity on climate issues, recommendations for engagement

