Objectives of This Workshop



DAY 2 Objectives:

- Report progress on urban GHG synthesis activities
- Identify remaining holes and uncertainties
- Create plan for inter-city analyses and synthesis

activities in the coming year

Making Use of Atmospheric GHG Information with Emission Inventories

John C. Lin

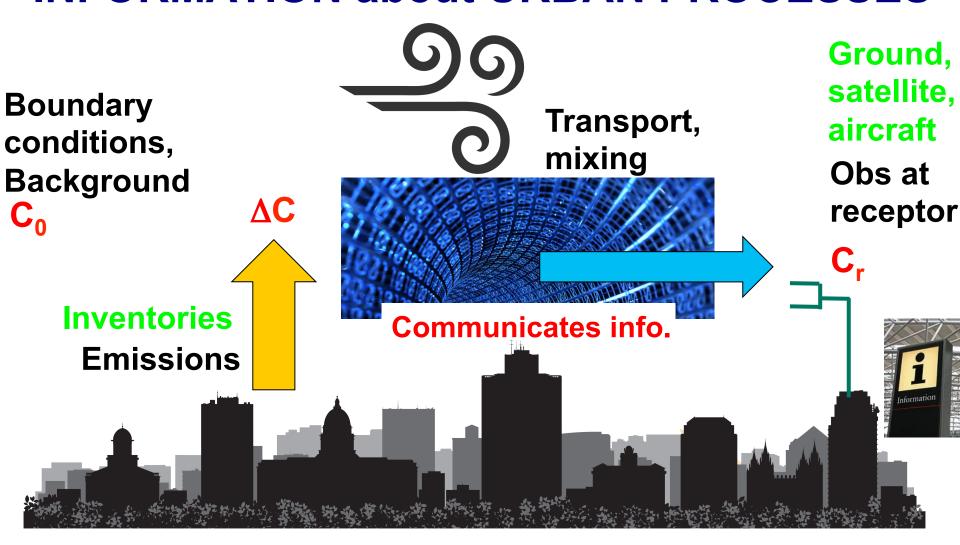


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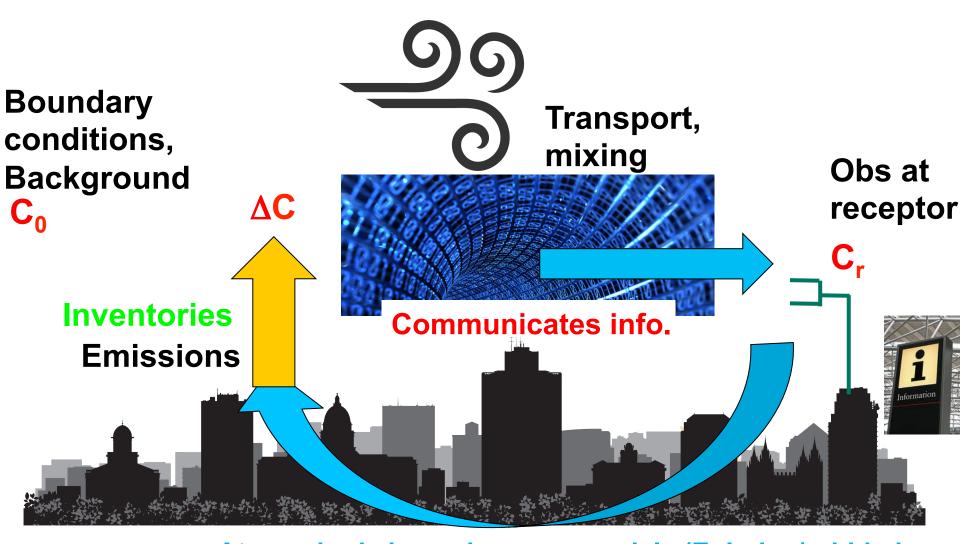
Land-Atmosphere Interactions Research (LAIR) Group

Salt Lake City, October 25th, 2018

Atmospheric measurement carries INFORMATION about URBAN PROCESSES

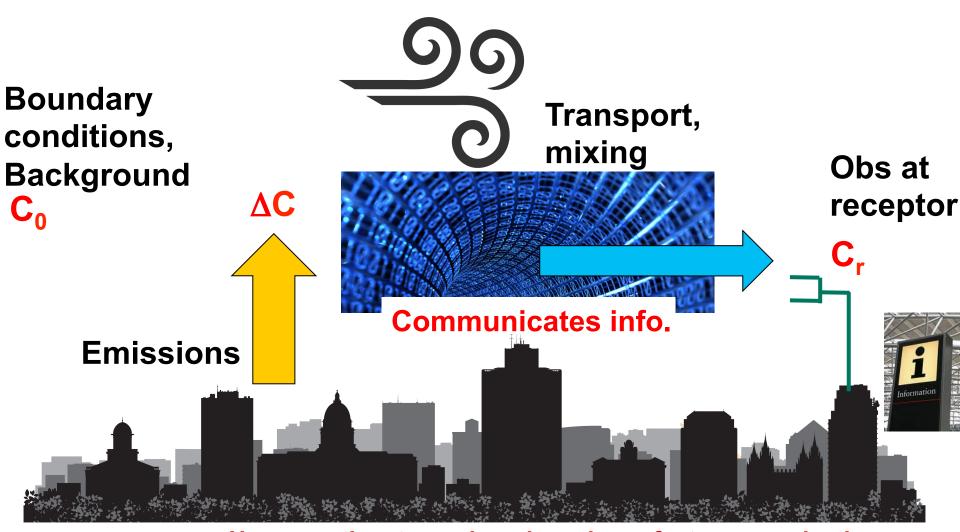


Atmospheric measurement carries INFORMATION about URBAN PROCESSES



Atmospheric inversions use models (Eulerian/gridded, Lagrangian) to back-calculate emissions

Atmospheric measurement carries INFORMATION about URBAN PROCESSES



However, the atmosphere is an imperfect communication channel (loss of information due to mixing), and one requires an imperfect atmospheric model to "decode" this information