

2023 International Emissions Inventory Conference

The Nexus of Climate, Air Quality, and Health: Smoke and Other Emissions Challenges



Photo Credit: Lalit Gupta

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Foundation of Air Quality Management

Air quality management is a complex endeavor made up of many key elements

- Monitoring/Measurement data
- Modeling data
- Pollution control devices/programs
- Regulatory actions
- Policy actions
- **Emissions inventories**



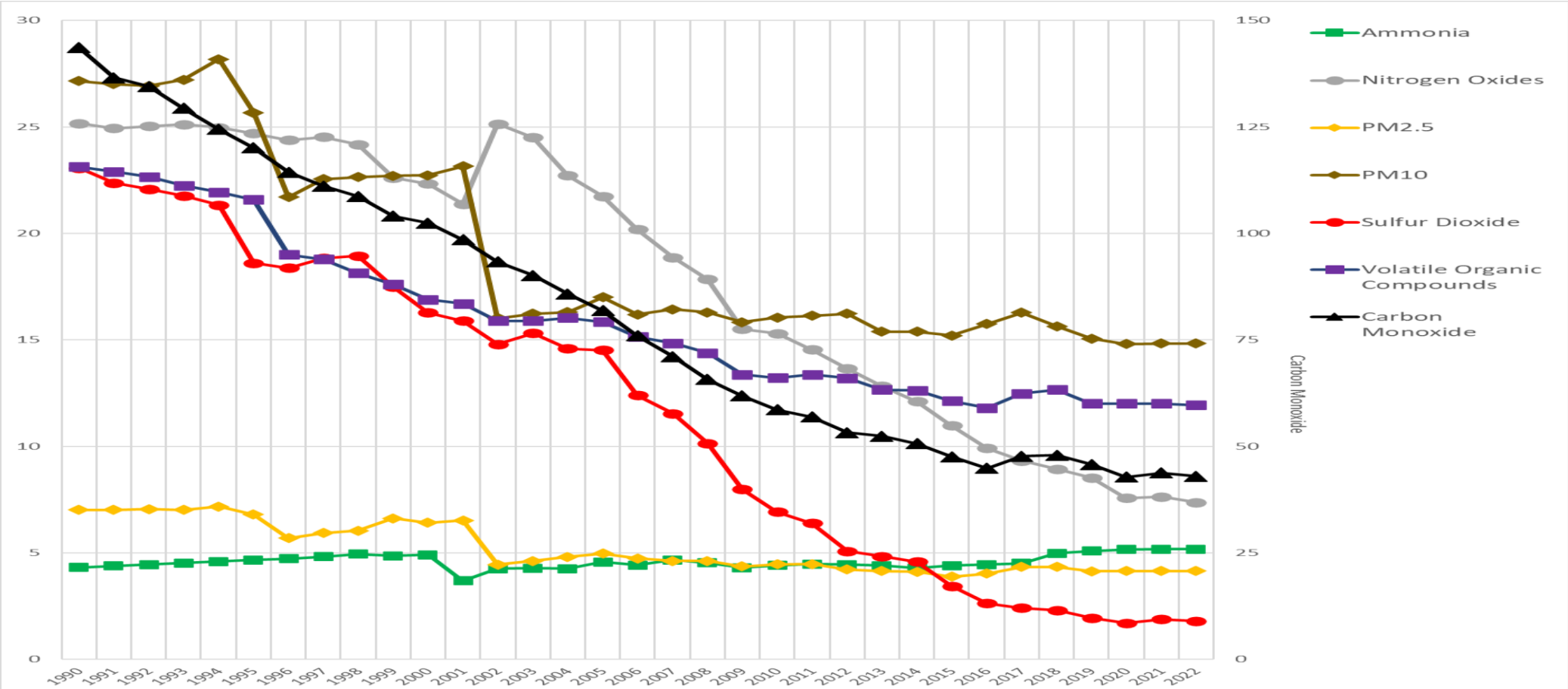


Why Emissions Inventories are Critical

- Baseline from where we measure progress
- Foundational input to air quality models we use to predict future benefits/impacts
- Only element where there is accountability (we know what sectors emissions are tied to explicitly)
- Only element that we can control/reduce
- It all starts and ends with the emissions



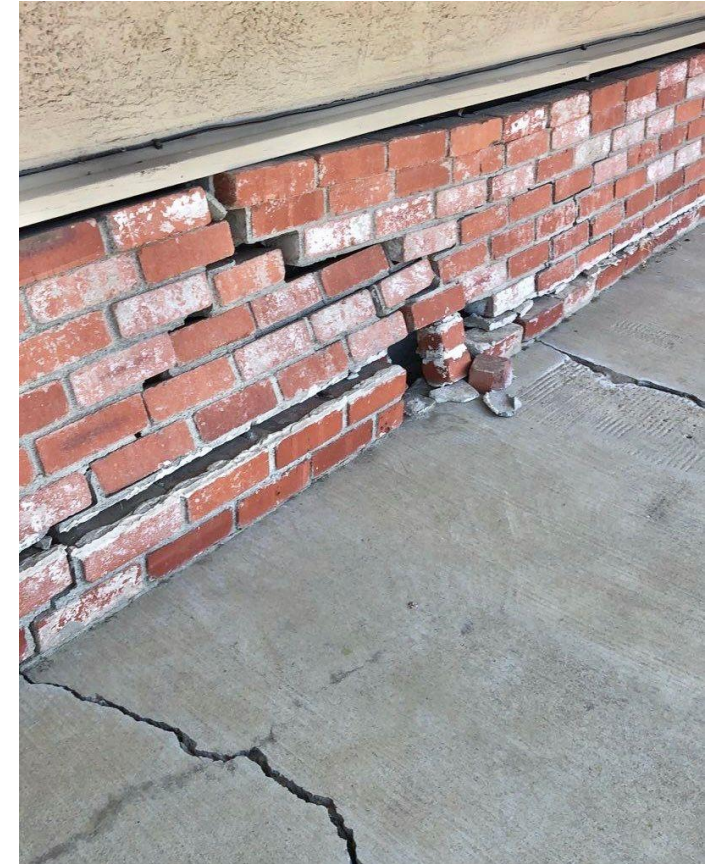
We Are Making Progress!



Why Complete Emissions Inventories are Critical (1)



- If there are missing data for specific sectors... we don't have a solid foundation
- If there are incomplete data for certain sectors... we don't have a solid foundation
- If there are incorrect data for certain sectors... we don't have a solid foundation
- If we don't have a solid foundation...



Why Complete Emissions Inventories are Critical (2)



- ... then we do not have a strong air quality management program!
- The work you all do every day to build solid emissions inventories is absolutely critical to have successful air quality management programs
- Without high quality inventory data, we cannot know where we started from, cannot determine what we need to control and cannot measure if we are being fully successful



Where We Want to Be

To provide a solid foundation, we strive to make emissions inventories:

- Complete
- Representative of the inventory year in question
- Use best available science, emission estimation methods, and data
- Transparent
- Timely



A Successful Air Quality Management Program



- With complete emissions inventories that reflect high quality estimates for all sectors, we can build a solid foundation to support a successful Air Quality Management Program.
- This conference is all about building a better foundation
- We do that by sharing what we know with others and by learning from others that share what they know with us
- Our foundation is stronger because all of you help build it



Thank You for Being Here!

“Unless someone like you cares a whole awful lot, nothing is going to get better. It's not.”

-Dr. Seuss