

Workshop Objectives & Expected Products

Terry J. Keating
Office of Air & Radiation
U.S. EPA

**Global
Air Quality
Science
Community**

**International
Air Quality
Policy
Community**

**Regional
Air Quality
Science
Community**

NASA

NOAA

ITCT

EnvCan

AMAP

CLRTAP

EMEP

EPA

NARSTO

EUROTRAC





What do we know?

Can we quantify the **source-receptor relationships** for photooxidants and fine particles between anthropogenic emissions in North America and Europe and ambient concentrations over the Arctic, North America, and Europe?

What do we need to do?

- If we can quantify the relationships, how do we best **integrate** this knowledge into our current assessments of regional air quality strategies?

What do we need to do?

- What are the key **uncertainties** in these source-receptor relationships?
 - Emissions
 - Entrainment Aloft
 - Transport Mechanisms
 - Chemical & Physical Transformations
 - Deposition
 - Local Interactions

What do we need to do?

- What **research activities** could help reduce these uncertainties?
- How can the various **communities** represented best address these activities?

Workshop Products

- Website of Presentation Materials
- Discussion of Implications & Next Steps
 - Discussion of Science Questions
 - Consensus on Current Knowledge Base
 - Recommendations for Future Research

Workshop Products

- Website of Presentation Materials
- Discussion of Implications & Next Steps
- Brief Summary
 - EMEP Steering Body
 - EPA ITAP Working Group