Sources

Point source: very localized source
for example: Smoke stacks, Industrial facility, single tail pipe

Distributed source: sources cover a wider area
cluster of point sources (cars on freeway); rice paddies emitting methane

Point sources: inventory
Environmental Protection Agency
http://www.epa.gov/air/data/geosel.html

On the extreme side…
http://www.clearteair.org/dirtypower/
Satellite image of haze over the Midwestern United States
Sept. 11 2005
Transported by high pressure system

Hurricane Ophelia

http://earthobservatory.nasa.gov/NaturalHazards/natural_hazards_v2.php3?img_id=13127

Haze from industrial NE US blowing off to the Atlantic
May 4, 2001

http://visibleearth.nasa.gov/view_rec.php?id=1727
Transport of smoke aerosols from fires in Southern California to Great Lakes region

SeaWiFS: October 30, 2003 - http://earthobservatory.nasa.gov/NaturalHazards

Haze over China – January 2000

http://visibleearth.nasa.gov/view_rec.php?id=985
Sahara dust storm blown off over west Africa to the Atlantic

March 1, 2003

MODIS image
http://visibleearth.nasa.gov/
Inversion layer, Los Angeles, Dec. 19, 2000

Elevated Pollution From Sea Breeze (Los Angeles, July 22, 2000)
Smoke Trapped in Inversion After Fire
Menlo Park, California (June, 2001)

Plumes Rising Into Inversion
(Long Beach, California, Dec. 19, 2000)
Smokestack Plumes

Figure 6.25. National Renewable Energy Laboratory, U. S. Department of Energy