The 1970-2012 emissions atlas of EDGARv4.3.2

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Global anthropogenic, non-LULUCF GHG emissions

GHG from largest emitting countries and EU

All human activities, except LULUCF and large scale biomass burning
CO2 from China

“Fossil” includes fossil fuel, industrial processes and product use
Share of power plant emissions in CO2 city plume

CO2 emissions from the POWER sector to TOTAL CO2 emissions in 2012.

American cities

European cities

Asian cities

Sector relative contribution:

- < 0.004
- 0.004 - 0.15
- 0.15 - 0.30
- 0.30 - 0.45
- 0.45 - 0.60
- 0.60 - 0.75
- 0.75 - 0.90
- 0.99 - 1.00
Share of road transport emissions in CO2 city plume

American cities

European cities

Asian cities
Fossil CO2 difference 2012-2007

European cities
Conclusions

- To bridge inventory reporting and atmospheric observations: spatial and temporal distributions are needed.

- To assess reduction efforts with the global stocktakes every 5 years, it is essential that gridded emissions are reported in addition to the country totals. This step has been made under the Convention for Long Range Transboundary Air Pollution.

Thank you for your feedback!
CH4 from fossil fuel production