

Below is a list of tentative topics for writing a review paper or for preparing a term project.

Note: A review is NOT just a compilation of what people have done. You must have your own understanding of the topic, and construct the paper/ppt using findings from existing studies.

1. Global biogeochemical cycling and globalization of carbon. Choose CO₂ or CH₄ or (CO and VOC).
2. Global biogeochemical cycling and globalization of nitrogen. Choose N₂O or (NO_x and NH₄).
3. Global biogeochemical cycling and globalization of sulfur (SO₂ and SO₄ together).
4. Satellite remote sensing to study emissions and pollution transport.
5. Recent trend of tropospheric oxidants (HO_x and Ox) and its relation to globalizing air pollution.
6. Regional transport of ozone and precursors within Asia. Focus on ozone.
7. Outflow of ozone and precursors from Asia. Focus on ozone.
8. Inflow of ozone and precursors to Asia. Focus on ozone.
9. Global transport of ozone and precursors. Focus on ozone.
10. Regional transport of PM within Asia.
11. Outflow of PM from Asia.
12. Inflow of PM to Asia.
13. Global transport of BC and its relation to climate change.
14. Past climate change and its impacts on pollution transport.
15. Future climate change and its impacts on pollution transport.
16. Uncertainties in current assessment of pollution transport.
17. Emerging pollution and its globalization. Should discuss with me to define the pollutants.
18. International trade: impacts on global atmospheric environment and climate.
19. Understanding the roles of consumption and production in globalization of air pollution.
20. Interconnections between economics, energy and environment.
21. Domestic pollution control strategies in light of trade and pollution transport.
22. International collaboration strategies in light of trade and pollution transport.