

CHOOSING PAPERS TO RECOMMEND TO CLASS:

Assigned: Wednesday, January 9, 2008

Due in class: Monday, January 14, 2008

Your job is to find 5 recent (last ~8 – 10 years) papers in the literature which deal with topics that can loosely be described as “Environmental Analysis.” You will bring these papers to class, with a short written summary of each one (1 – 2 paragraphs), and present/recommend them to your classmates. We will then select and order the papers which the whole class will read and discuss.

1. All the papers you bring must have these characteristics:
 - A component of quantitative measurement of a particular compound, class of compounds, or pollutant type in a real terrestrial environment. Papers may include laboratory components and/or modeling components, but these are not required.
 - A clear description or reference to the details of the method(s) used for the measurement described above.
 - Some description in the introduction of the paper that indicates that the measurement(s) were done because of a real or perceived environmental issue, not purely to see if the species were measurable.
2. The papers you bring in must be representative of a variety of areas of interest in the environment. Your 5 papers must include:
 - At least one paper that deals with the quantitative measurement of a compound in the air/atmosphere.
 - At least one paper that deals with the quantitative measurement of a compound in the water.
 - At least one paper that deals with the quantitative measurement of a compound in a solid matrix (soil, blubber, etc.).
 - At least one paper that relates the problem of interest to issues of climate change.

A single paper can fulfill two of the above bullet points, but not more.
3. Please turn in the following on Monday:
 - A copy of the next page of this handout, including references and paper roles. This Word document will be placed on Moodle so that you can fill in the page, rather than recreating it.
 - A printout (double-sided is good, but please only one page per side) of each of your 5 papers.
 - A one to two paragraph summary/sales pitch for why each of your papers is exciting.

Give the references for your 5 papers here, using a modified (title included) American Chemical Society reference format, as shown here for our first paper from class:

Chaudhry, Z.; Martins, V.; Li, Z.; Tsay, S.-C.; Chen, H.; Wang, P.; Wen, T.; Li, C.; Dickerson, R. R. "In situ measurements of aerosol mass concentration and radiative properties in Xianghe, southeast of Beijing" *J. Geophys. Res.*, **2007**, *112*, D23S90.

Paper 1 Reference:

Paper 2 Reference:

Paper 3 Reference:

Paper 4 Reference:

Paper 5 Reference:

Place an X in the box(es) indicating which role each of your 5 papers fulfills.

	Paper 1	Paper 2	Paper 3	Paper 4	Paper 5
Air/Atmosphere					
Water					
Solid Matrix					
Climate-relevant					