

Agenda for First Meeting of Possible Ohio Core Project

Start at Noon and end around 1:00 pm, meeting in Kottman Hall 333 (main campus)
and Williams Hall 117A (OARDC)

The purpose of this meeting is to make a determination regarding the viability of an Ohio centric core project within the Climate, Water, and Carbon program. If viable, then we will want to organize a group of people who will initiate future discussions. These discussions should lead to an eventual core project proposal.

(1) Introductions:

- a. Doug Alsdorf, Jerry Bigham, Berry Lyons
- b. Given that 29 people will attend the meeting, we do not have time for individual introductions. Instead, I'll ask for a show of hands regarding your research interests (e.g., mostly climate related, mostly water, or mostly carbon) and regarding your college affiliation (FAES, MPS, SBS, Engineering, etc.).
- c. Why should there be an Ohio centric CWC core project? Funding opportunities such as the upcoming EPA call http://es.epa.gov/ncer/rfa/2008/2008_star_gcwq.html

(2) Geographic Regions of Study within Ohio and the Ohio River Basin

- a. Sugar Creek Project: Richard Moore
- b. Climate: atmospheric, modeling, etc.; who is conducting this type of research and where?
- c. Water: Rivers, wetlands, lakes: Scioto, Muskingum, Olentangy, others
- d. Carbon: land-use land cover change, agricultural, forest, others

(3) Specific Climate, Water, & Carbon and Related Policy Questions for Ohio

- a. Water quality and nutrient trading in the Ohio River Basin
- b. Working with waste water treatment plants to help them toward the 1 mg/L phosphorus treatment levels by changing farming practices
- c. Engaging Lake Erie phosphorous impact studies, including remote sensing
- d. Describing the impact of zoonotic diseases within the context of climate change (e.g., changing patterns of bird migrations) and the role of the water cycle
- e. Potential impact on agriculture, disease, and water availability in Ohio from future extreme weather events (floods) and climate change (drought)
- f. Other ideas?

(4) What are the Connections with other TIEs and OSU Programs?

- a. Public Health Preparedness for Infectious Diseases TIE
- b. Center for Clean, Sustainable Energy TIE
- c. Connections of water and energy in Ohio: Jeff Daniels
 - i. Water quality/supply (surface and groundwater) for energy production. Increased coal production is inevitable in Ohio and this will have a huge impact on water quality and supply. Is statewide monitoring being done? Is it doable? Should the CWC become the center for gathering the information, conducting research on impact, and predict the future of water quality/supply for Ohio?
 - ii. Water quality with respect to mining: getting rid of slag from power plants and what to do with the mines after the coal is extracted?
- d. What are the issues with sequestering CO₂ from power plants, with respect to deep burial?

(5) Who will initiate future discussions?