

Hello!

Enclosed in my summary of the results of the topical lunch on integrating earth system science (ESS) at Cornell. Please feel free to comment!

Overall, there was broad support for more organization of ESS at Cornell--many folks felt relatively isolated in their departments.

Action items:

1. Follow-up meeting on graduate curriculum.  
(I would be willing to lead, if no one else--please email courses from your department which might be helpful for earth system science to me (nmm63))
2. Follow-up sub meetings in particular areas.  
(I would be willing to lead a follow-up meeting on:  
biogeochemistry/climate interactions. others want to volunteer?)
3. Please review web pages  
(<http://www.geo.cornell.edu/eas/PeoplePlaces/Faculty/mahowald/ESS/>) --they go live December 1 if we hear no complaints.
4. Create listserv (I will start this)

There are other areas we proposed having more organization (see below), if there are folks who would be willing to lead sub-meetings in those areas, that would be great.

From our discussions, we came upon several areas where organizing can help:

1. Web presence for recruitment of students  
see: <http://www.geo.cornell.edu/eas/PeoplePlaces/Faculty/mahowald/ESS/>
2. Organization of classes  
We can start putting together lists of classes that would help out a graduate curriculum.  
Both tool courses (remote sensing, modeling) and science courses
3. Facilitate coordinated research.
4. Listserv for interested faculty/staff/students

Sub areas to organize:

Oceanography

Hydrology/water resources

Biogeochemistry/climate\*

Geophysical fluid dynamics\*

Human/earth system science

(engineering school has climate/energy web page--would be good to have land use/earth system science web page?)

\*indicates preliminary web sites completed--go from ESS web site links to see.

Attendees:

Host, Christine Goodale, (EEB)-Forest biogeochemistry  
Host, David Hysell, (EAS) upper atmosphere physics  
Host, Natalie Mahowald, (EAS) atmospheric biogeochemistry  
Host, Todd Walter, (BEE) ecohydrology  
Peter Hess, (BEE) atmospheric chemistry  
Peter Diamessis, (CEE) ocean GFD  
Bob Howarth (EEB) coastal biogeochemistry  
Matthew Pritchard, (EAS) remote sensing, geophysics, glaciers  
Chuck Greene, (EAS) ocean biology  
David Wolfe, (Hort) terrestrial biogeochemistry  
James Sethna, (Physics) systems science  
Max Zhang, (MAE) aerosols/air pollution  
Tim Fahey, (Nat Res) terrestrial biogeochemistry  
Susan Riha (EAS) forest soils  
Sid Liebovich (MAE) GFD  
Frank DiSalvo, David Dietrich, Helene Schumber, Mark Lawrence (CCSF)

regrets: John Duxbury, Joe Yavitt, Peter Woodbury, Phil Liu, Zellman Wahrhaft, Lou Derry, Johannes Lehmann

Thanks,  
Natalie