Science Council 2015 – Harvard Forest

Inorganic Nutrients: Syntheses and Cross site comparisons

Wed Am

- Introduction – LTER core area discussions to foster cross site collaboration
- Presentations of Site’s Syntheses (all sites, 5 min each)
- Planning for breakout groups on Thursday
  - Morning and Afternoon Breakout Sessions - with report back at end of each Session.
  - open to reshuffling or modifying topics
  - Suggested topics (below)
  - open floor for new suggestions

Questions for Saran - opportunities for followup- cross site grants/proposals? SESYNC?

Suggested breakout group topics

Thurs AM - Session titles?
final list of am sessions and likely list of afternoon sessions presented to group Thursday am first thing

1. Uptake and retention of inorganic nutrients (possible moderators- Karen McGlathery)

2. Transport and transformation of inorganic nutrients across ecosystems (Anne Giblin)

3. Coupled biogeochemical processes and stoichiometry - N, P, and organic C dynamics (Steve Hamilton)

4. Role of nutrients and stoichiometry in controlling primary production and species composition/diversity (Eric Seebloom)

5.

Thurs PM - Session titles?
final list refined during report back of Thursday am session, in case new ideas come up

6. Greenhouse gas emissions / Ecosystem role in climate-change feedbacks (Whendee Silver)

7. Investigation of long term data using new approaches and models (Ed Rastetter)
8. Rethinking Gibbs in human dominated waters (Emily Stanley)

Other Session Ideas:
- Acidification
- Are nutrient fluxes responses similar across ecosystems and types of disturbances? (I took liberty of adding this - a group of sites has begun to work on this, presented posters and drafted a manuscript, so maybe there would be time for us to meet and discuss)

Report back at end of morning and afternoon sessions: 5-7 minutes each.

- What hypotheses did you come up with and what data would you use?
- Describe next steps, including proposals for ASM meeting - leader, title - and or other working group options (SESYNC, Powell Center)?
- Is this a good topic for NSF Mini symposium next winter? Title of talk?
- Could this develop into Synthesis paper? Who is contact for people who want to join in?