

Physics/climate update

Moderators:

David Hamilton, Ian Jones

•Participants:

•Sally MacIntyre, Jordan Read, Dale Robertson, Ishmael Kimrei, Abel Udoh, Kevin Rose, Yvonne Vadeboncoeur, Dominic Vacchon, Lisa Doner, Justin Brooks (+ Don Pierson)

- Methodology paper started
- Spatial analysis ideas ready and waiting
- Temporal analysis initiated

Seeding ideas for:

- Heat flux across many lakes (metabolism data set?)
- Convective/wind mixing comparison across lakes
- Fine temporal scale regional coherence (include remote sensing and maybe modelling)
- Fine temporal scale variation amongst lakes (proactive thermistor deployment)
- Diffusivities across lakes

Other topics discussed

- Linking to 2-d/3-d issues – combining littoral and pelagic
- Involve link with metabolism
- Paleo/buoy-physics links for climate studies
- Not enough physical limnologists?

Possible new format:

- Dedicated physics working group
- Physical limnologists to join other (sub-)groups for one-off working group sessions (if wanted)

Actions

- Resolve technical parameter issues (DH/IJ/JR)
- Submit paper on methodology (JR + co-authors)
- Analyse spatial data (IJ + others)
- 'Clean' historic data sets (JR/DP)
- Investigate & circulate heat flux calculation methodology (IJ)

EU breakout group

- To explore possibilities for more EU funding for 'buoy' related activities
- What can be gained from existing non-EU connections – joint grants, added benefits to applications, stealing existing ideas etc
- Various possibilities – infrastructure, networking, buoy focussed science, other science including buoys
- Find more details about networking grants
- Find more details about immediate infrastructure call

EU breakout group

- Circulate list of possible ideas
- Set up email contact with interested participants
- Alert other (EU) GLEON members to activity – gleon email
- Have EU breakout meeting (approx ½ - 1 hr) at next (future) GLEON meeting
- General exploration of existing contacts + pool information
- Link on GLEON web-site for successful grants/ideas?
- GLEON blog/dating service for establishing science partnerships?