

Data Management and Building Community in a Global Synthesis of Under-Ice Productivity

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What goes on under ice in lakes?



Photo: Ted Ozersky

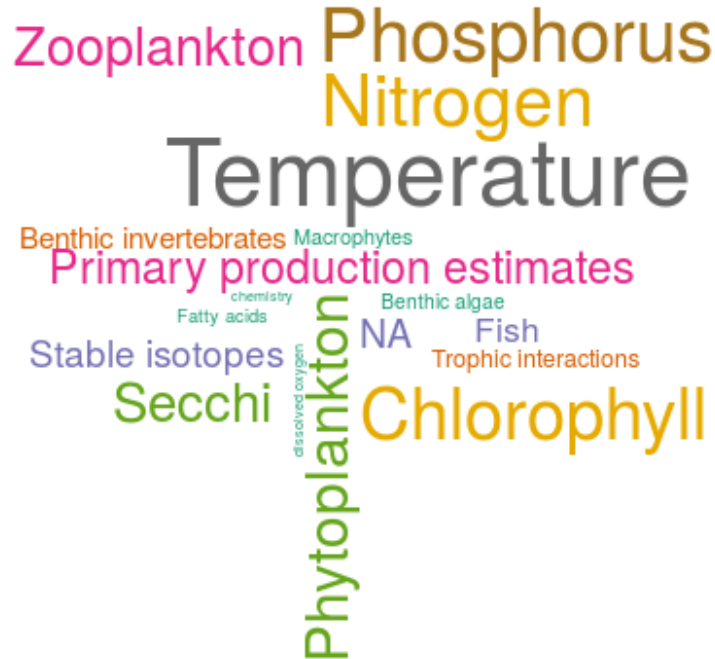
Challenges for synthesis

1. Managing communications
2. Integrating heterogeneous data
3. Building a sense of community



Step 1: Gauging interest

>100 survey responses



Step 2: Data Template

Goals


1. Integrate data as seamlessly as possible
2. Encourage sharing

- 135 fields
- metadata + aggregated data (under-ice vs stratified)






Step 3: Validate Data


R package **icetest**

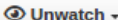
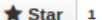
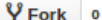
<https://github.com/karawoo/icetest>

 This repository


Explore Gist Blog Help


 karawoo    





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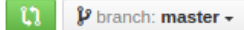

QA/QC for under-ice ecology synthesis data — Edit

 109 commits


 2 branches





 0 releases


 1 contributor


 **icetest** / + 


Merge branch 'master' of github.com:karawoo/icetest


 **karawoo** authored 6 days ago latest commit **a655af2a25**


 R	remove mu symbol from documentation	8 days ago
 data-raw	make the list of valid field names available	3 months ago
 data	make the list of valid field names available	3 months ago
 man	remove mu symbol from documentation	8 days ago


 **Code**


 Issues 3

 Pull requests 0

 Wiki

 Pulse

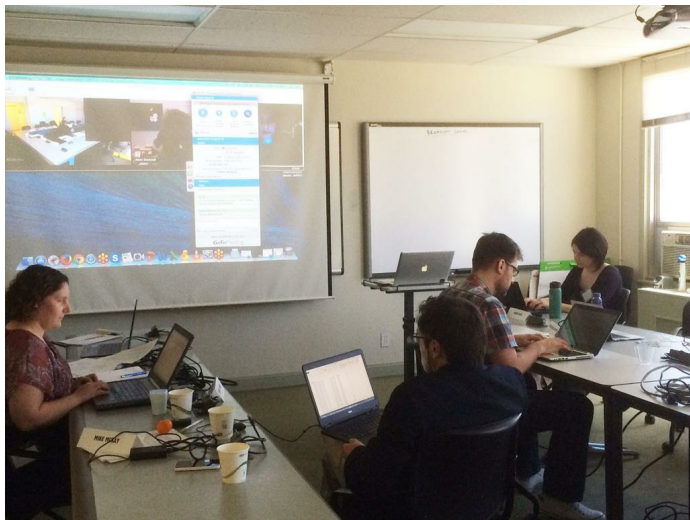
 Graphs

 Settings

Step 4: Lots of Email

Step 5: The Fun Part

Workshop at NCEAS



13 in-person participants

19 remote participants

Photos: Stephen Hampton (left), NCEAS (right)