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

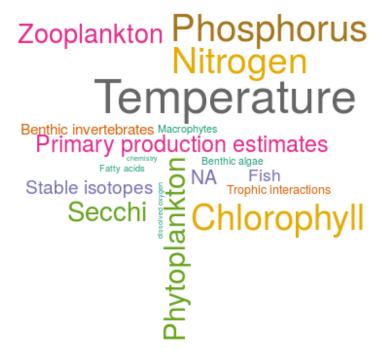
Challenges for synthesis

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



Step 1: Gauging Interest

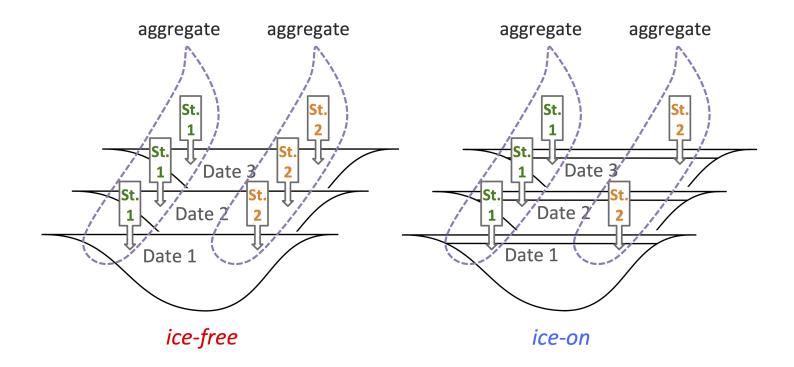
>100 survey responses



Step 2: Data Template

Goals

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



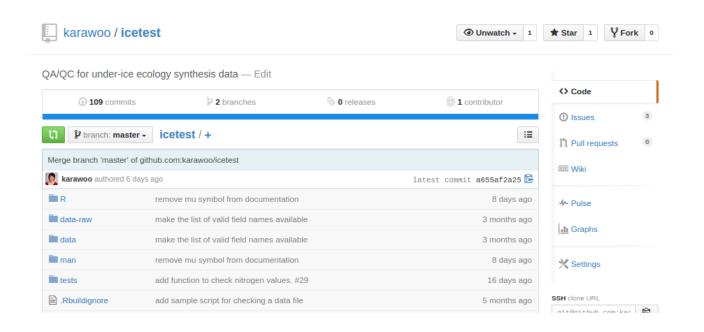
Policies

- Document describing how data will be used and shared
- Internally to project collaborators first, then eventually public

Step 3: Validate Data

R package icetest

https://github.com/karawoo/icetest



Step 4: Lots of Email

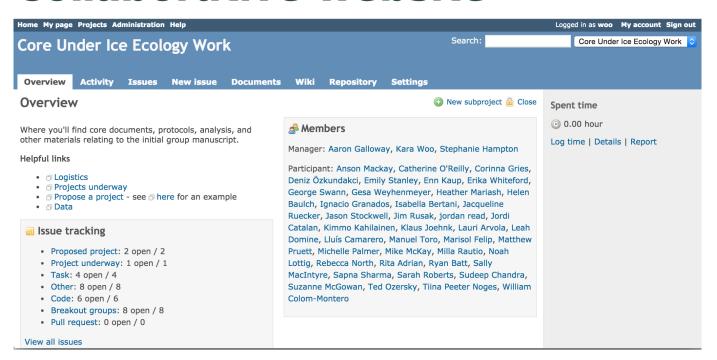
Step 5: The Fun Part

Workshop at NCEAS

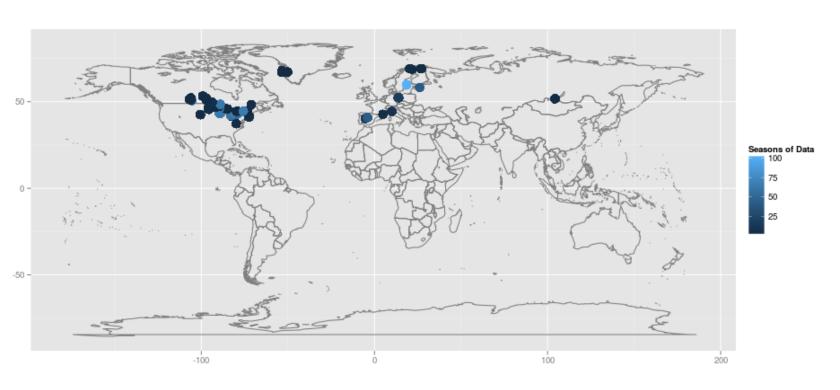




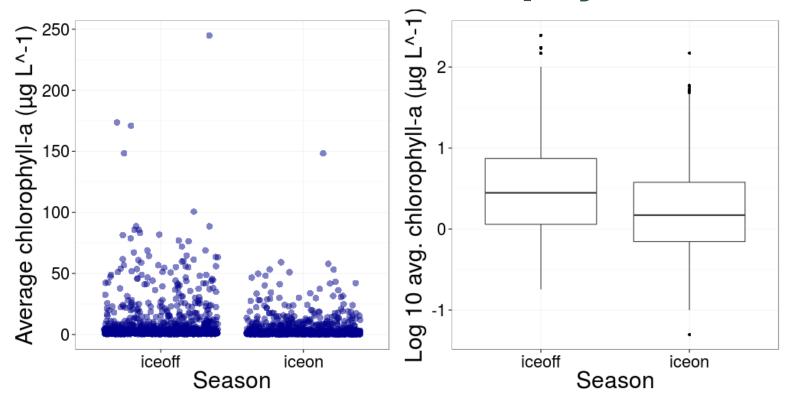
Collaborative website



86 lakes represented (so far)



Ice-off vs. ice-on chlorophyll-a



Conclusions

Managing communications

Centralize communication (email lists, project website)

Integrating heterogeneous data

- Plan ahead
- Validate the data

Building community

- Be inclusive
- Communicate expectations early

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