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

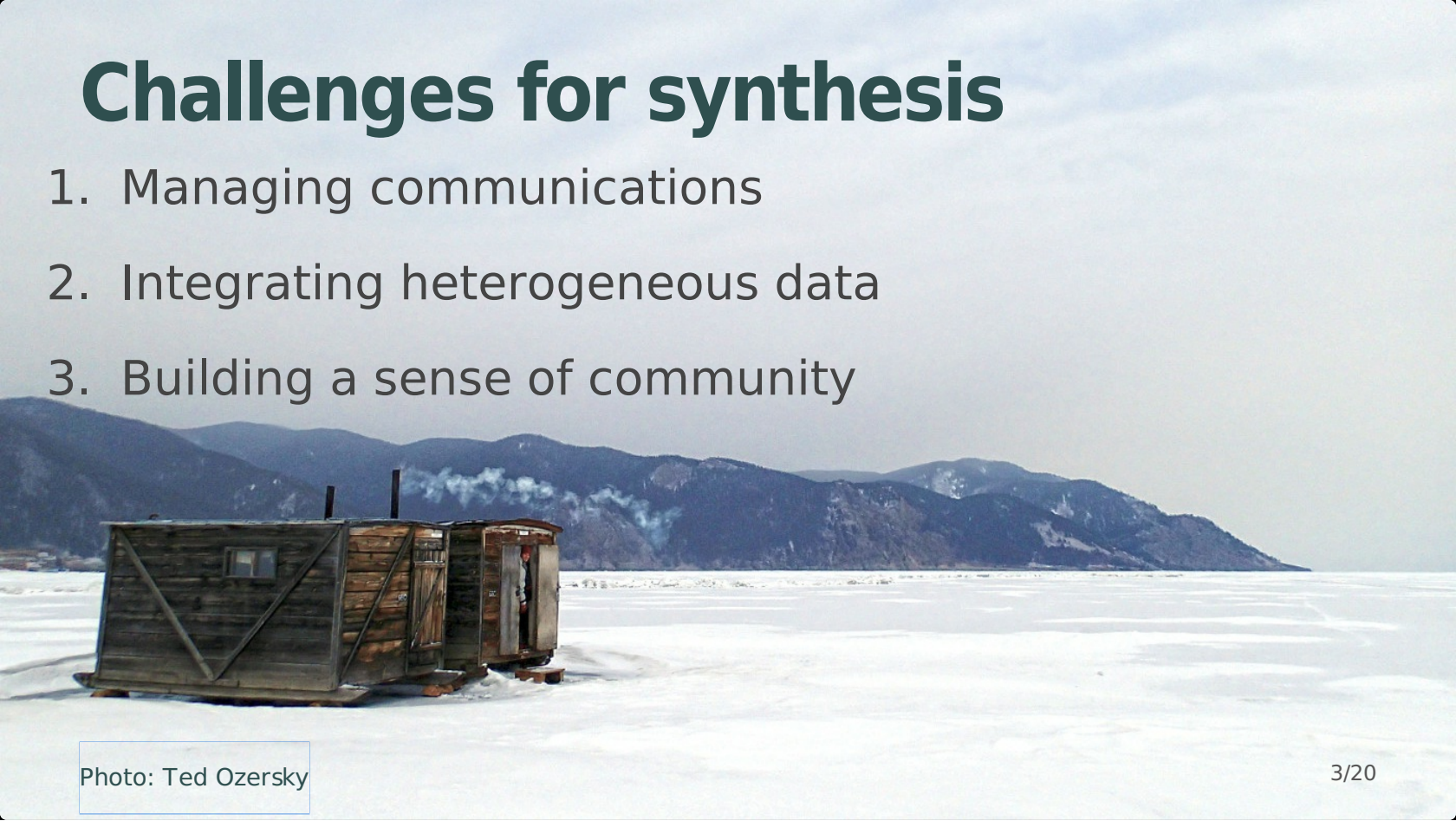
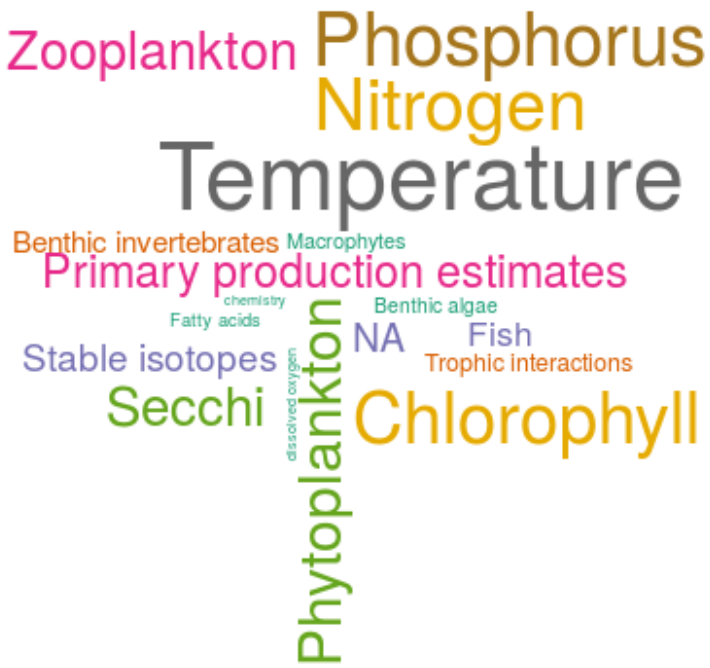


Photo: Ted Ozersky

Step 1: Gauging Interest

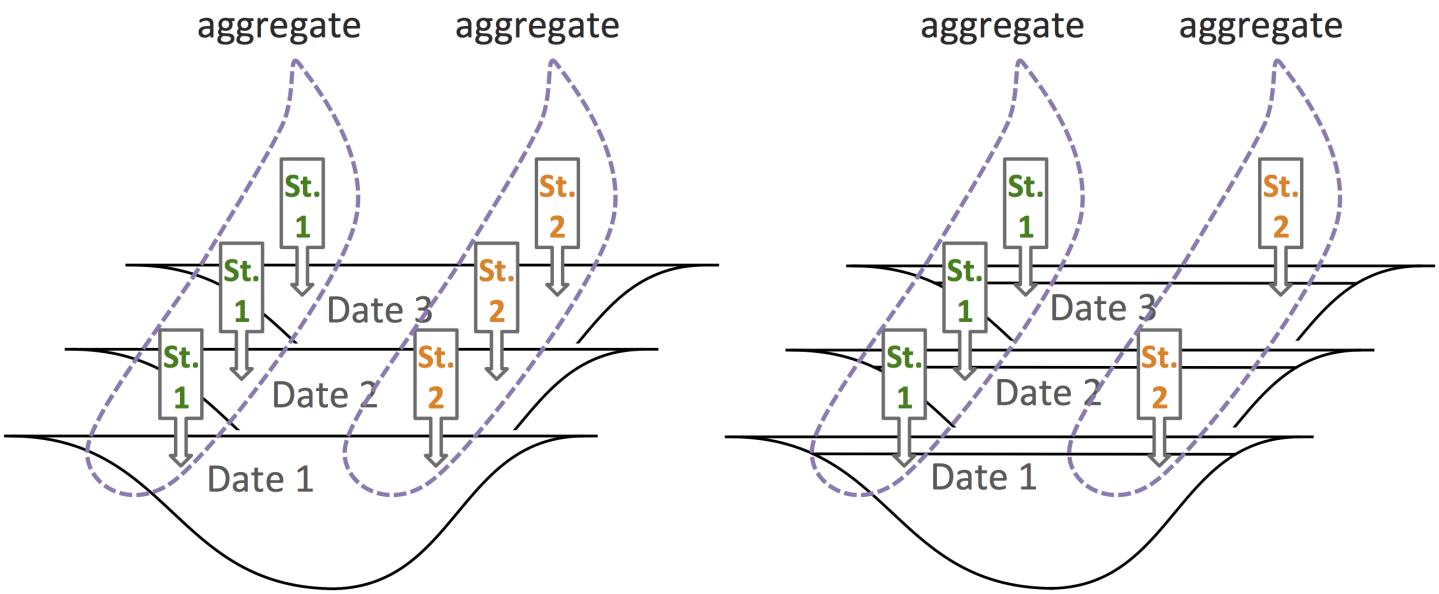
>100 survey responses



Step 2: Data Template

Goals

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



ice-free *ice-on*

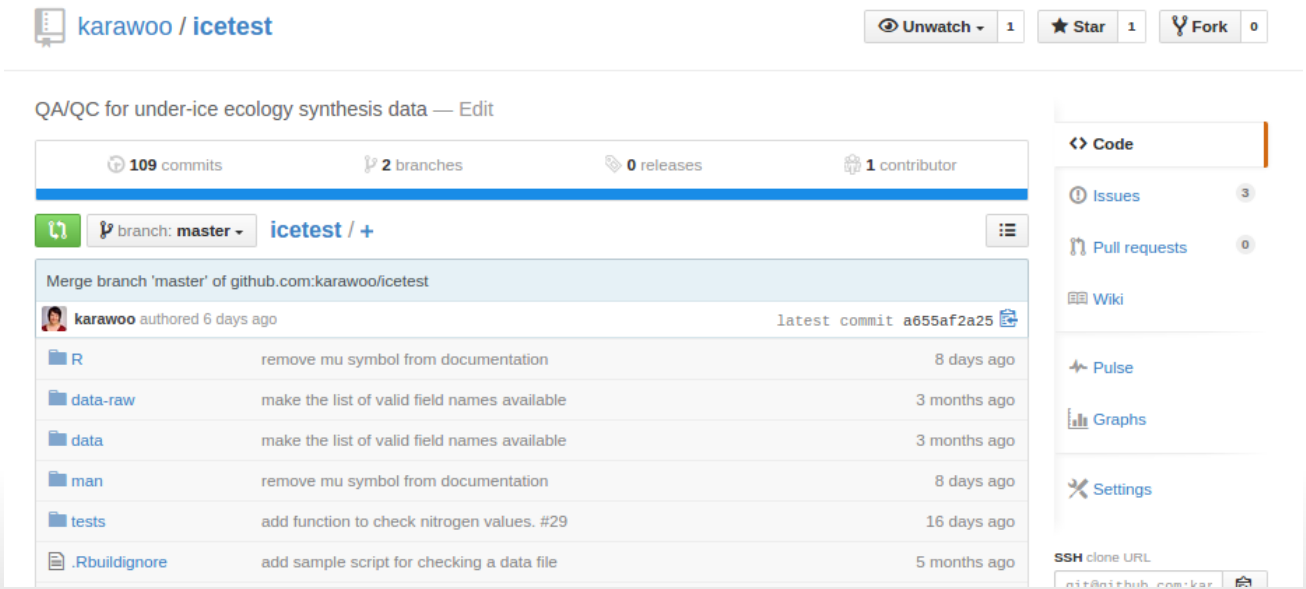
Policies

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

Step 3: Validate Data

R package icetest

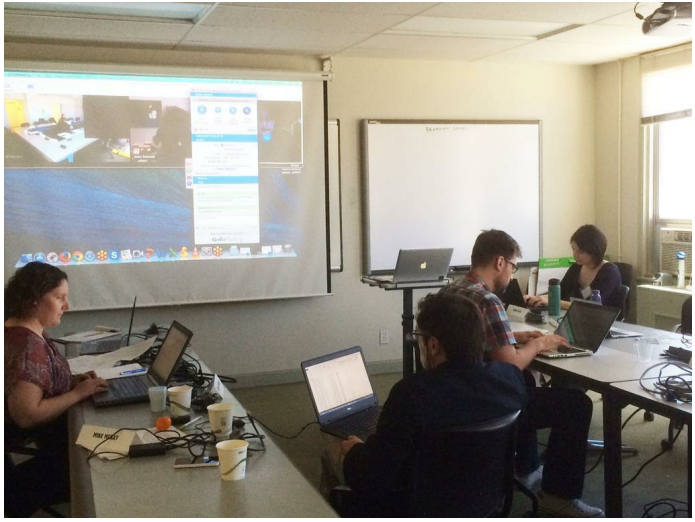
https://github.com/karawoo/icetest



Step 4: Lots of Email

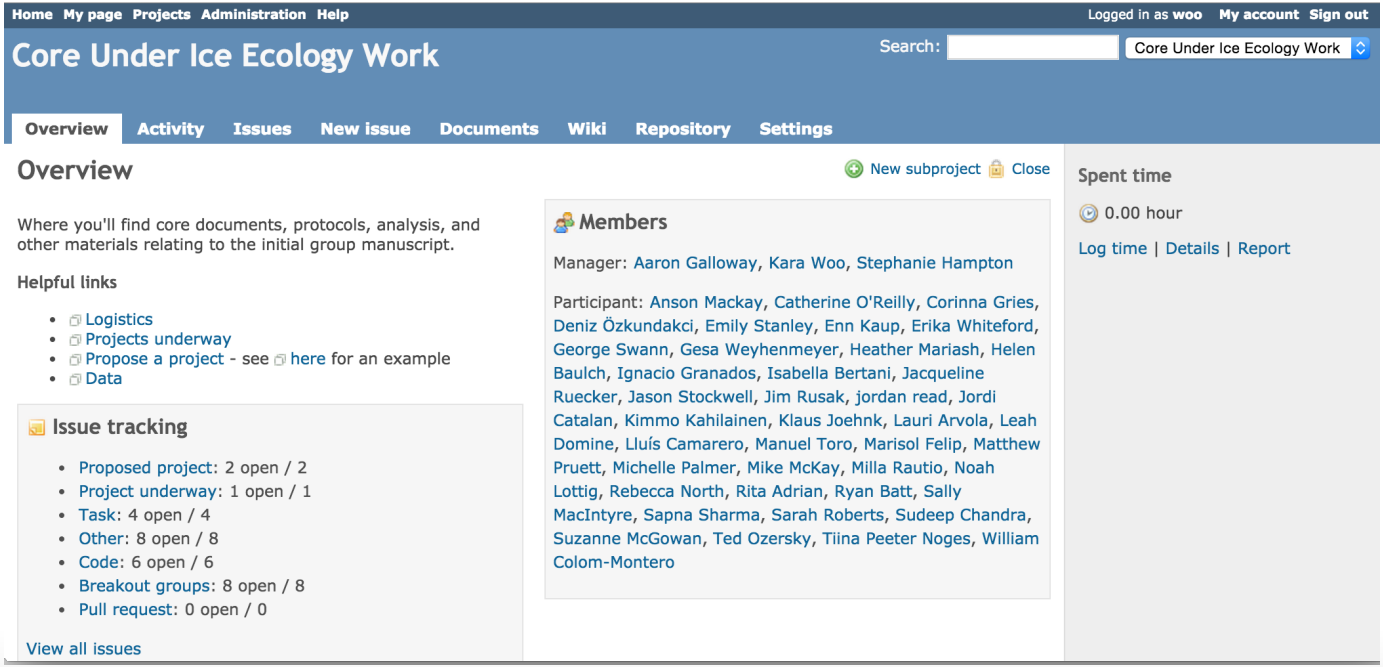
Step 5: The Fun Part

Workshop at NCEAS

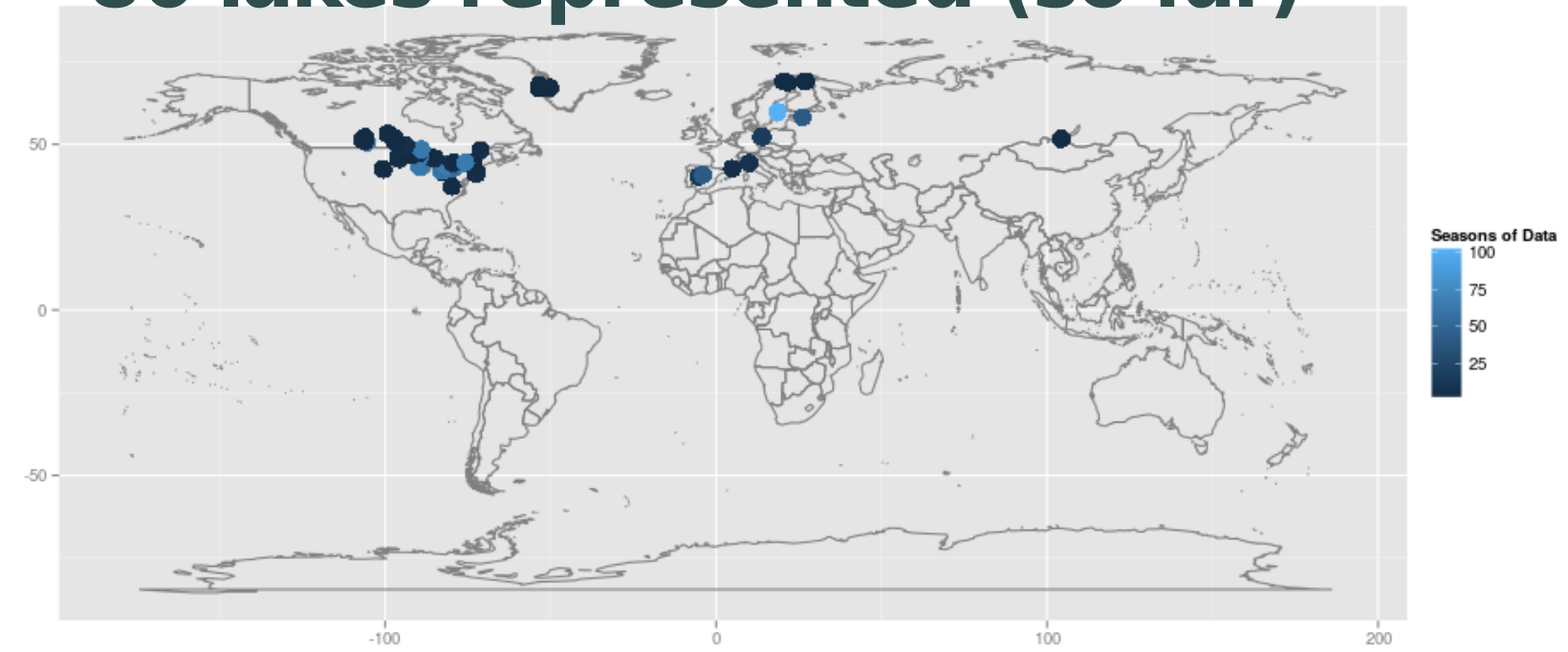


Photos: Stephanie Hampton (left), NCEAS (right)

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

Acknowledgements

NSF: ??????

Ice workshop steering committee: Emily Stanley, Ted Ozersky, Chris Polashenski

National Center for Ecological Analysis and Synthesis