

The Arctic LTER Project: Mid-term Site Review 24-26 June 2019 NSF 1637459



ARC-LTER VI (2017-2023): The role of biogeochemical and community openness in governing arctic ecosystem response to climate change and disturbance.

Biogeochemical Connectivity

Concepts of community openness and connectivity have been more challenging

How should openness and connectivity be quantified from an arctic-community perspective?

Can community openness and connectivity be manipulated within the timescale of the project?

Need to link terrestrial and aquatic better.

The idea of openness was intended to facilitate comparisons of terrestrial and aquatic ecosystems:

Terrestrial more closed

Aquatic more open

Can differences in their response to climate and disturbance be interpreted from this common perspective?

Openness: a predictor or response variable?

Both, e.g., Do more open systems respond differently to warming than more closed systems? Does warming change the openness of a system?

We need to work on diversity in our recruitment of colleagues, Ras, REUs, RETs, &c.

Kevin Griffin will take over the lead for the ARC LTER for the next renewal.

The project will be transferred from MBL to Columbia University.

With an eye toward continuity of the 35-year project, what are the next BIG IDEAS we should be thinking about for the next renewal?