

Reservoirs and Lake Management



Participants: 17 (8 students – 47%)

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1. Ecological Risk Assessment of GLEON Lakes*

*GLEON members, GLEON sites and affiliate member research sites

- What ecological concerns are present in GLEON lakes?
 - Concerns → cyanotoxins, invasive species, extreme rain events, etc
 - Ranking of concern severity (index)

Timeline

- Survey prepared by year end
- Responses due by April
- Initial analysis by G18
- Skype Schedule: Once per month



Project title:

Resilience of lake and reservoir ecosystems to storm disturbance.

Question: how the storm, include typhoon, influence the ecosystem stability of lake and reservoir with different residential time.

Hypothesis: Lakes with longer residence time have higher resilience to storm disturbance.

Possible water bodies:

Cuifeng Reservoir, YYL, Taiwan

Soyang Lake, Korea

Qiandao Reservoir, Shahe Reservoir, China

Three Gorge reservoir, China

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still open to join

Timeline

- General discussion by Spring
 - May is diatom/algae/cyano bloom season
- Skype schedule to be announced
 - Every two months
- 18-23 April China/New Zealand Symposium