

# 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**

**... ..**

**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