

# Great Lakes Priority Observations

- Inorganic carbon chemistry
  - Underway (R/V, VOS) and moored - both  $p\text{CO}_2$  and pH
  - More  $\text{CO}_2$  flux (use existing towers), co-locate in-water  $p\text{CO}_2$
  - High-quality DIC and ALK data
- DOC and POC in all lakes, and with spatial distribution within each lake
- Winter observations
- Satellite algorithms (CDOM, Chl, PP)
- Key biogeochemical rates
  - Respiratory quotients
  - Growth efficiencies