The Taihu Eddy Flux Network

Lake Taihu, a large (area 2400 km²) and shallow (depth 2 m) lake situated in the heavily polluted Yangze River Delta, China.

Scientific questions:
1. Are lake-air models established for deep lakes applicable to shallow lakes?
2. Why are lake-land breeze circulations less prevalent in the lake basin than in lake basins in northern latitudes?
3. How do algal blooms alter the lake-atmosphere interactions?
4. Is this eutrophic lake a source or sink of atmospheric CO₂?
5. Does the decay of algal and macrophyte biomass contribute a significant amount of CH₄ to the atmosphere?