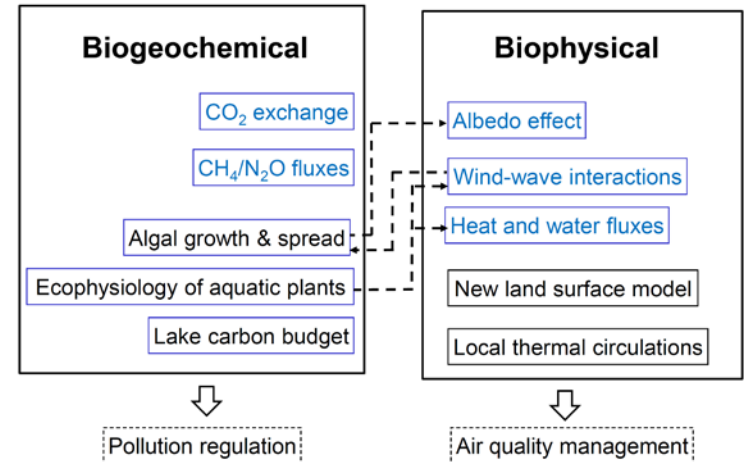
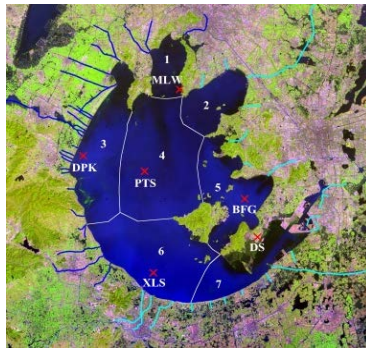


## An Observational Program on Energy, Water, and Greenhouse Gas Fluxes of a Large Freshwater

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### The Taihu Eddy Flux Network



Lake Taihu, a large (area 2400 km<sup>2</sup>) 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 CO<sub>2</sub>?
5. Does the decay of algal and macrophyte biomass contribute a significant amount of CH<sub>4</sub> to the atmosphere?