



LIMNOLOGY 1

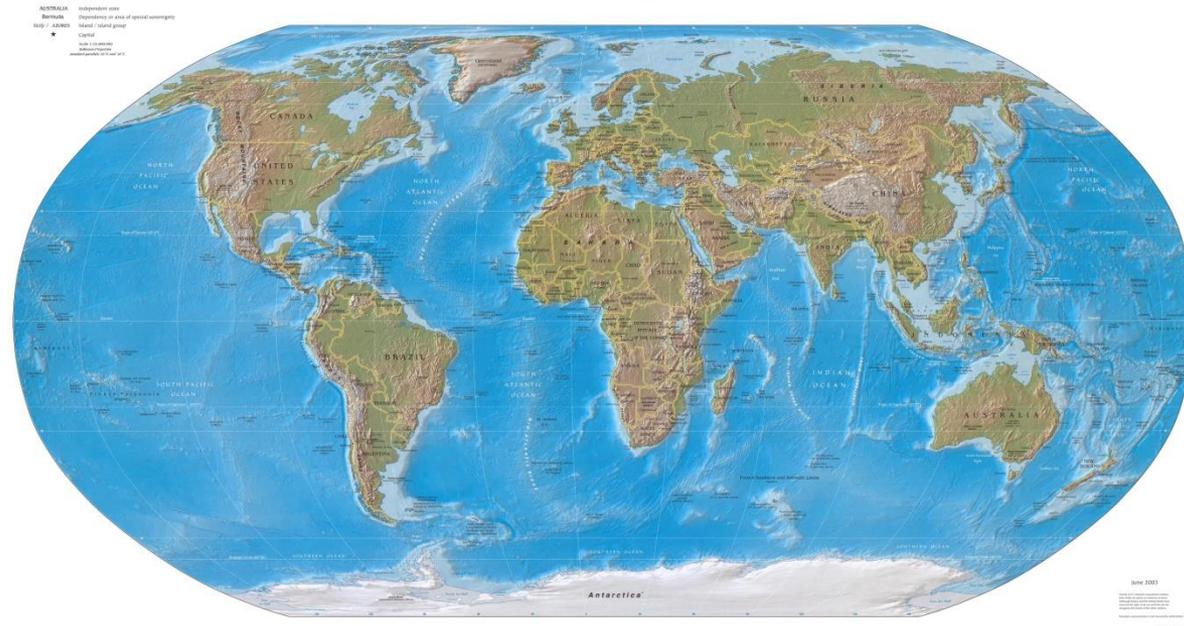
Prof. Dr. Nilsun Demir

History

- Aristo (M.Ö. 384-322)
- Hensen (1887) Plankton definition
- Forel (1841-1912) (Handbook of Limnology 1901)
- Birge (1873-1941) (zoolog)
- Forbes (1887) Lake as a microcosm
- Kofoed (1894) Fluvial limnology

Earth

Physical Map of the World, June 2003



- Atmosphere
- Hydrosphere
- Lithosphere
- Biosphere

- Limnology: Inland water science (lakes and rivers)
- Potamology: Running water science
- Reservoir Limnology: Limnology of dam lakes



Lake as a little cosmos

Classification of Inland waters

- **Lentic waters** : Lakes, ponds, swamps
- A lake ecosystem includes biotic (living) plants, animals and micro-organisms, as well as abiotic (nonliving) physical and chemical interactions. Lake ecosystems are a prime example of lentic ecosystems. Lentic refers to stationary or relatively still water, from the Latin lentus
- **Swamp or wetland**: Shallow water bodies covered by aquatic plants
- **Lotic waters**: Rivers

- **Lake:** A lake is a body of water of considerable size, localized in a basin, that is surrounded by land apart from a river or other outlet that serves to feed or drain the lake.

