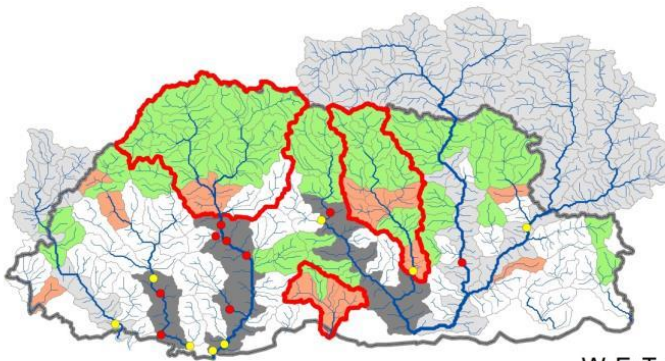
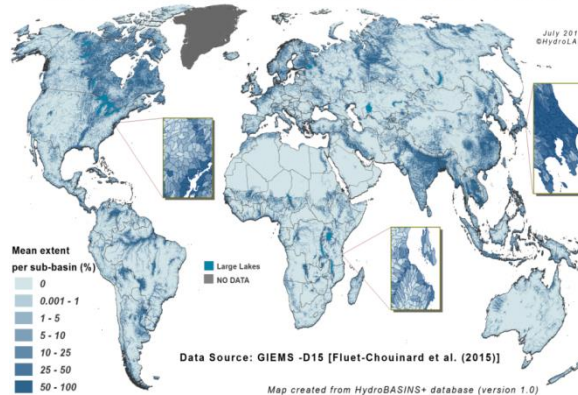


HydroATLAS: A global database of river and catchment attributes

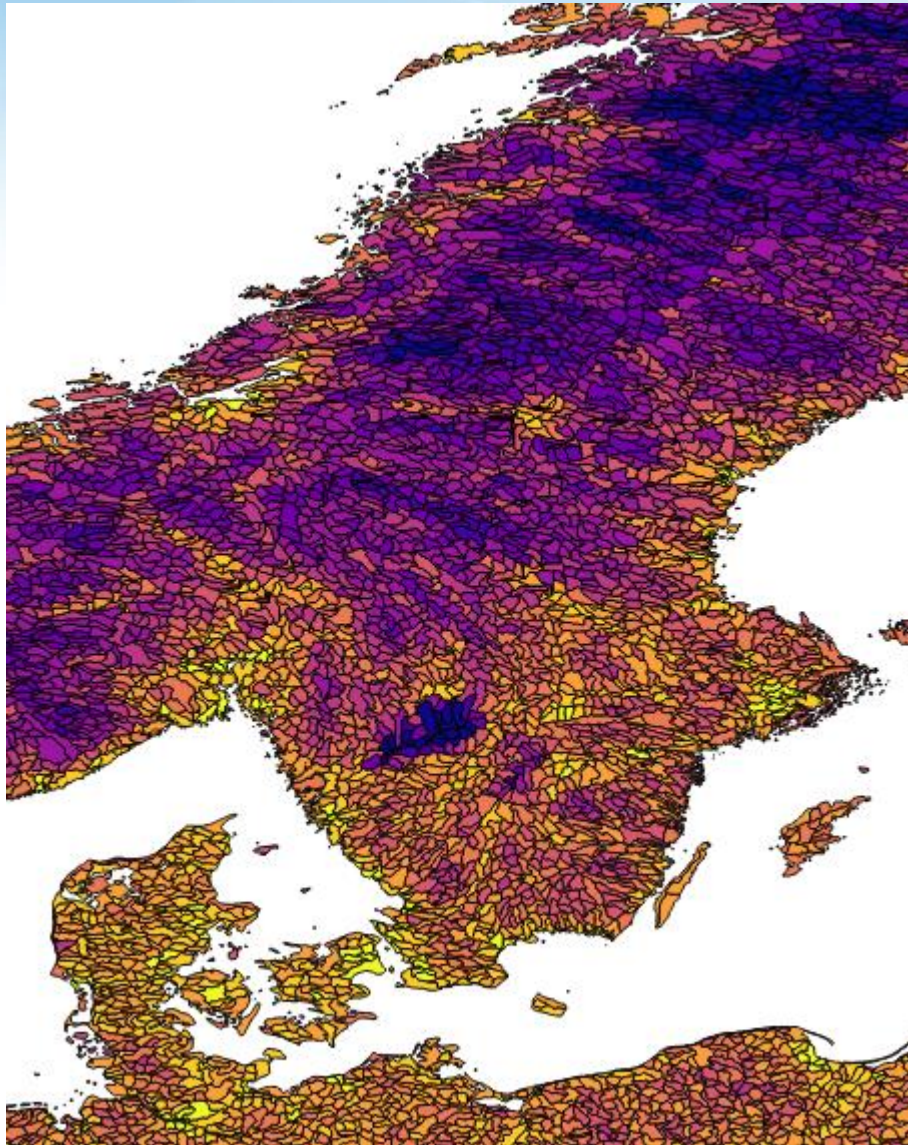
Simon Linke
Bernhard Lehner



WET SEASON INUNDATION

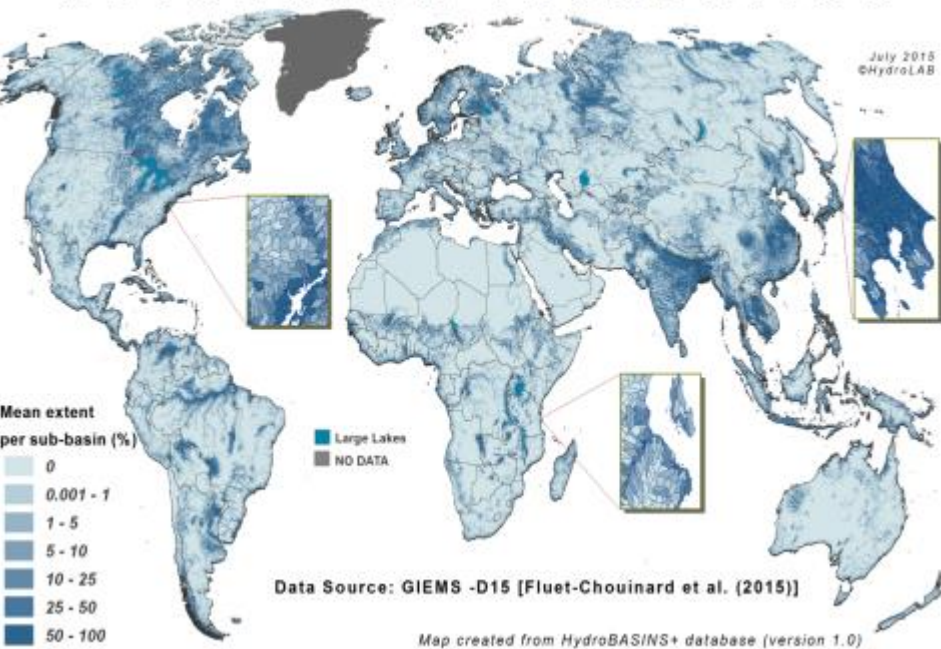


A global eco-hydrological database

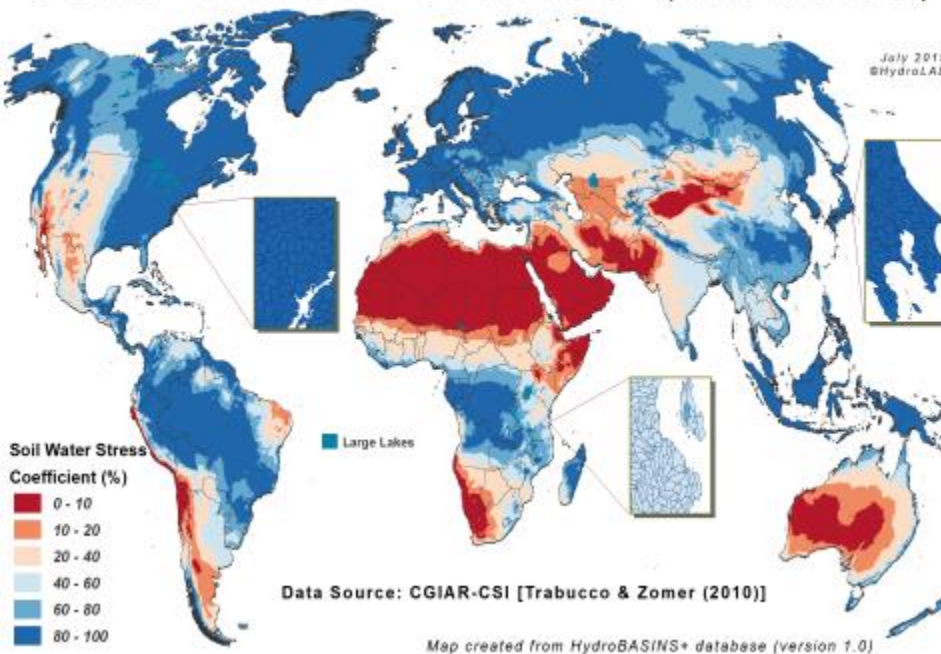


- Environmental descriptors for subcatchments and river segments
- Attached to **every** unit (1 million subcatchments, 8 million segments)
- At the moment ~40 variables classes, 250 variables
- Freely available in a few months

WET SEASON INUNDATION



SOIL WATER STRESS (ANNUAL)



Example attribute classes in HydroATLAS:

- **Hydrology** (discharge, runoff, wetland inundation, groundwater table depth)
- **Climate** (Temperature, precipitation, evapotranspiration, snow, aridity)
- **Physiography** (Elevation, slope, landform)
- **Land cover** (Ecoregions, forest types, natural vegetation, wetland classes, habitat types)
- **Soils/geology** (%clay, silt, sand, organic carbon, geology classes)
- **Land use & human influence** (Forestry, cropland, irrigation, pasture, population, human footprint)

Discussion points

- Included variables
- Usefulness of data format (shapes/tables)
- Legacy/governance
- Funding mechanisms