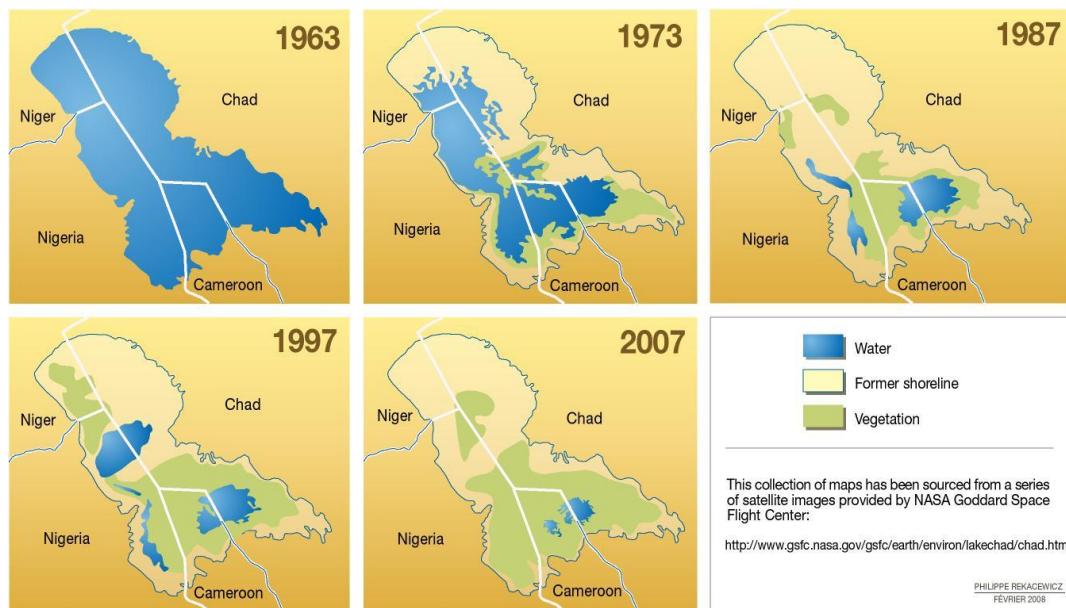


Water management decision tools for trans boundary water management using Lake Chad Basin as a case study

Problem: Lake Chad is in water crisis – it is shrinking in size



Important for 20 Mio. people:
Irrigation
Fishery -> food
water supply
Ecosystem

Question: What is the reason for the Water loss and what can be a solution?



A Proposal is made by Lake Chad River Commission (LCBRC) to supply water from the [Congo Basin](#) via a canal 2,400 kilometers (1,500 mi) long, but major political, technical, and economic challenges would have to be overcome to make this practical.

What is needed? More evidence for decision / support of the LCBRC:

Modelling on Chad Basin Area (Data needs)

- On climate conditions
- Surface / groundwater dynamics

Feasibility study for building a pipeline from Congo to Chad Basin on

- environmental impacts
- costs / benefits for people
- technical / transport issues
- Social-economic impacts
- political acceptance of surrounding countries(Congo Basin)

Explore other options (soft)for solution

- Water conservation initiatives
- Reduce water abstraction for irrigation in Yobe river
- -Africa great green wall initiative