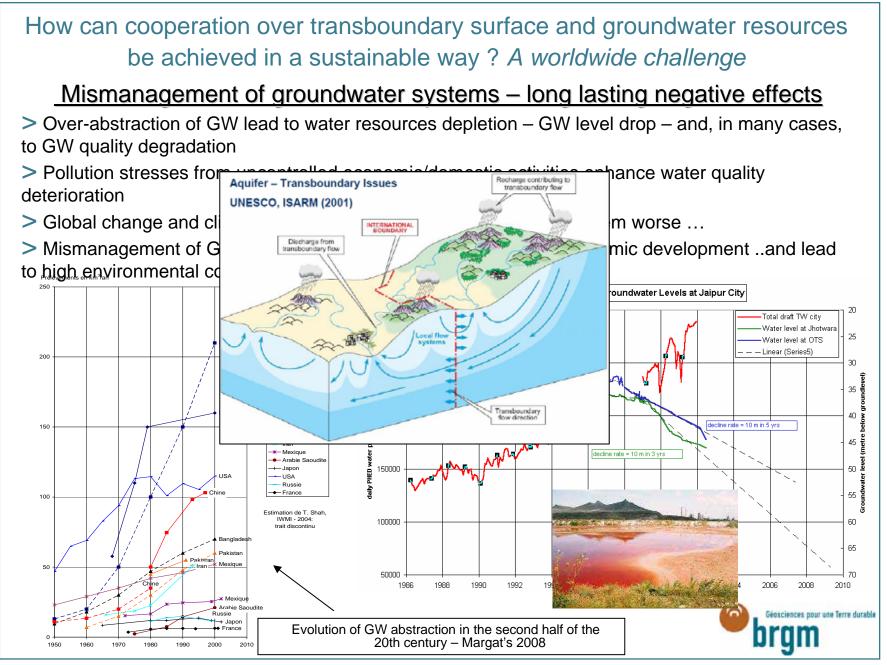




> The situation regarding transboundary aquifer systems (TBAS) ...

- 274 transboundary aquifer systems known to date underestimated
- Yet, very few treaties exist between states regarding TBAS.
 - Probably the best and most complete so far is the January 2008
 Convention regarding protection, use and recharge of the Geneva aquifer to follow up the June 9th 1978 agreement
- Yet, relatively few transboundary commissions, cooperation mechanisms, structures, ...for or including GW are in place
 - International Scheldt Commission (Fr, Bel-Wallonia, Flanders)
 - The Estonian–Russian Joint Commission on Transboundary Waters for the Lake Peipsi water resource system (Aquifers-lakes-rivers) established in 1998.
 - Others, with a lesser scope for Nubian Sandstone Aquifer System, the North Western Sahara Aquifer System (NWSAS), ...

> The situation for TBAS is way behind the situation for transboundary surface water (Basin Organisms, INBO, ...)



> The situation WRT transboundary aquifer systems (TBAS) ... is improving with recent initiatives ...

- Several projects to enhance transboundary cooperation on specific aspects :
 - le : Lake Peipsi TBAS (FFEM, EU, BRGM, GTK, MoE/Estonia, GE/Russia) to set up (1) TB monitoring, (2) data/information exchange, (3) common water resources management model, (4) socio-economic analysis, (5) capacity building and (6) reinforce the existing Joint Commission On TB Waters IWRM and monitoring working groups,
 - − Ie : NWSAS and Iullemeden TBAS (GEF, FFEM, UNESCO/IHP, OSS, ...) → Cooperation and/or Concertation mechanisms
- UNESCO/IHP ISARM Programme
- UN Resolution A/RES/63/124 Draft Article on TBAS adopted in December 8th, 2008
- Guidebook for transboundary aquifer system management "Towards a joint management of transboundary aquifer systems", (AFD, Académie de l'Eau, BRGM, OIEAU, UNESCO/IHP)
- +
- Africa : Groundwater Commission / AMCOW 1st African Week March 2008
- Growing interest for TBAS from Funding Agencies (GEF, FFEM, AFD, ...)



> A suggestion - We know :

- (1) Need to enhance IWRM for TB/shared water resources to apply in the field the sustainable development concept,
- (2) Need to provide appropriate international institution/structure to manage TB/shared water resources and,
- (3) Basin Organisms already exist.

>So can we use existing Basin Organisms, extend their scope and field of competence to GW ? The advantages :

- Expertise/know-how on groundwater and surface water concentrated in one organism
- Implementation of IWRM facilitated
- Economically sound solution



<u>Mismatch between aquifer systems and river basin</u> \rightarrow need for redefining the scale of work : the River Basin for the surface water, groundwater catchment for groundwater ?

ex.: Most of the very large TBAS - Asia, Africa and Americas – do not often coincide with major river basins (ex: Nubian SS / Nile, Taoudeni-Tanezrouft and Iullemeden-Irhazer / Niger basin, SASS / ?, ...)

