8th World Water Forum

Brasília-Brazil 2018

Session 8.a.2 - Education and training on water are not costs but investments

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Secretariat of the 8th World Water Forum

Education and training on water are not costs but investments
Some introductory ideas

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Lessons from a different knowledge area: Systems Analysis

Why?

The database development life cycle demands time, dialogue and modeling effort
1) Requirements gathering to understand what persistent data users want to store.
2) Data analysis to develop a conceptual model of data structure and procedures of consultation of database

Lessons from a different knowledge area: Systems Analysis

Why?

If conceptual model is weak and it is developed in a hurry…

Later, we will need to spend much time to the system maintenance (around 70% of system life cycle spent in maintenance)
Consequence: system development cost becomes high

What is the connection to education?

Time is also necessary to develop scientific and technical literacy

Time spent at basic school
Time spent in professional development

What is the connection to education?

If we don't have enough time to develop scientific and technical literacy

Decision-taking processes can be full of wrong choices
Wrong choices can lead to disasters, lack of efficiency and social injustice

What is the connection to education?

Time is the only one factor?

How to see interdependence among socio-environmental variables? **(interdisciplinary systemic view)**

What concepts should be mainstreamed?
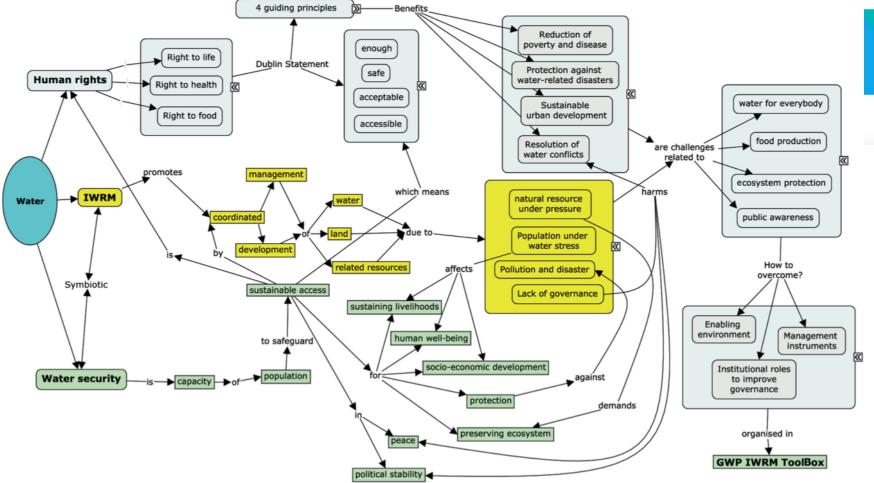**Water security?   IWRM?   Human right to water?   Water justice?**

concept maps as strategy

Challenges

Short-term Goals (where do we need to be in the next WWF?)
Long-term Goals (where do we need to be in 2030?)
How do we get there? (plan for scaling up, including some focus on good practices)