

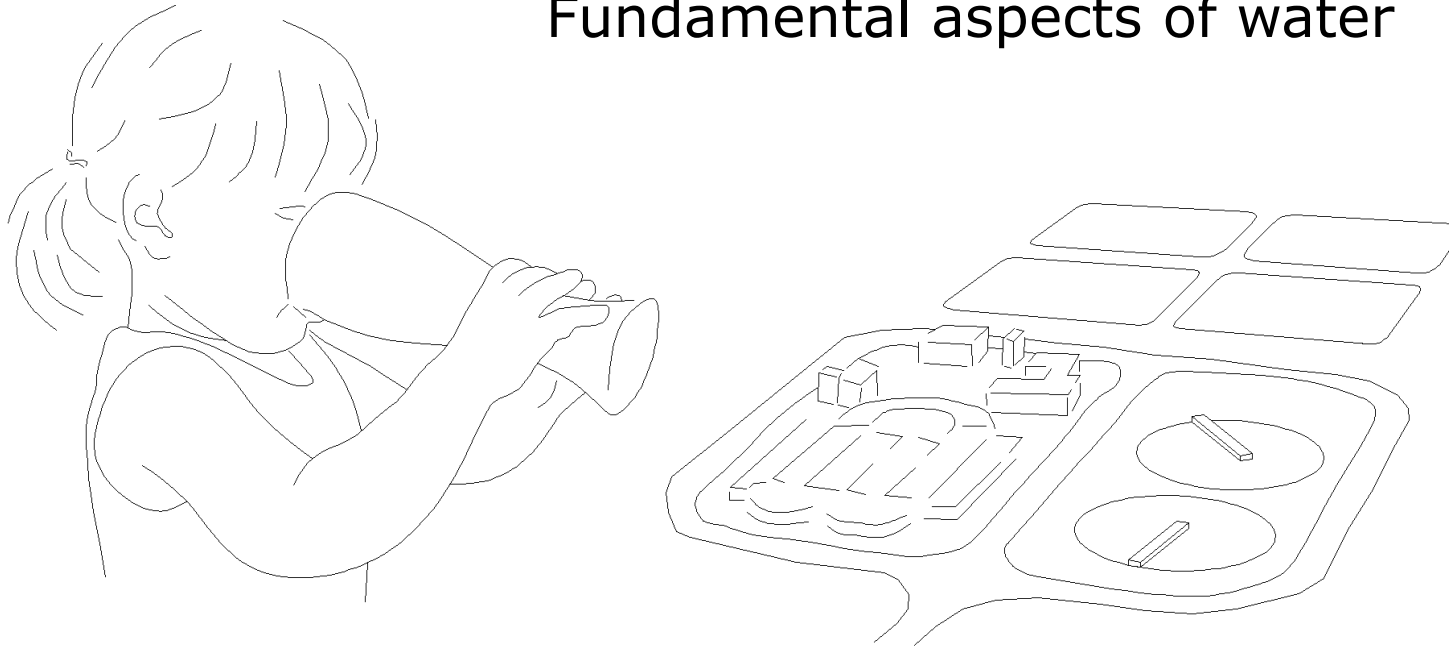
The European Water Framework Directive:

Opportunities and barriers to sustainable development

Bacci, F. and Chapman, D. V.

Universality of water

Fundamental aspects of water



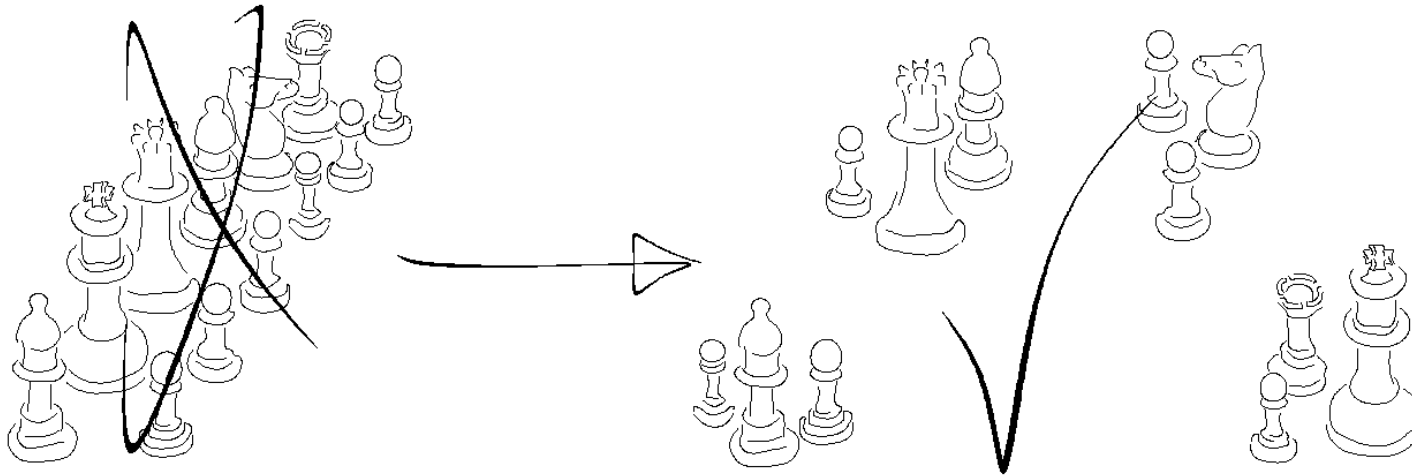
becomes mandate of stakeholders

The EU Water Framework Directive

Adopted an altruistic
ecological
dimension

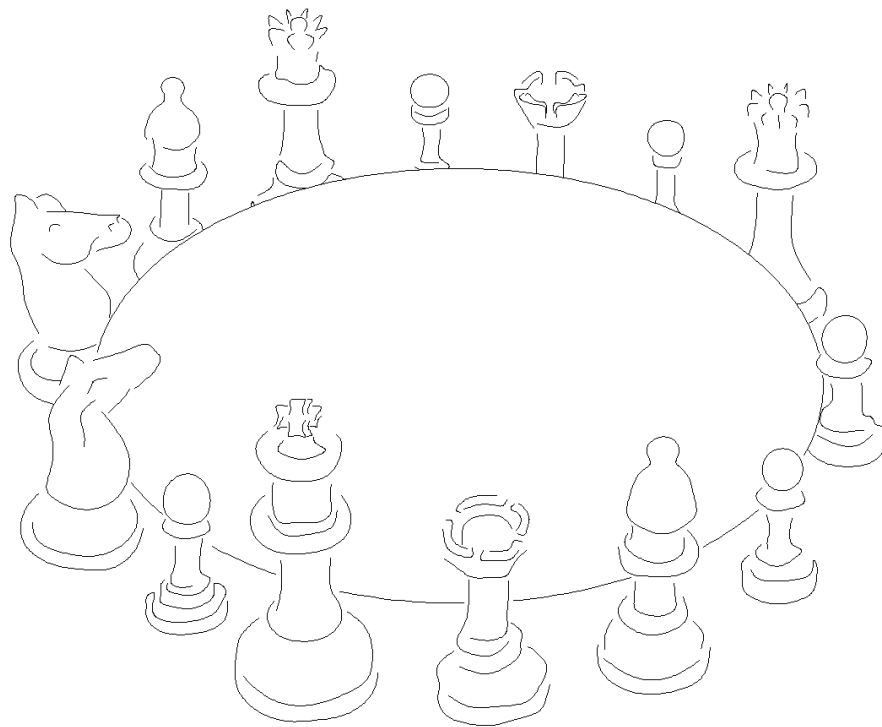


In favour of polycentric administration, provided
a platform for *Social Learning* among stakeholders



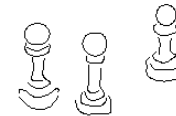
Social Learning

Socially conditioned learning, assisted by the aggregation of actors, often with diverging interests, in a forum aimed at resolving a problem in a concerted action.



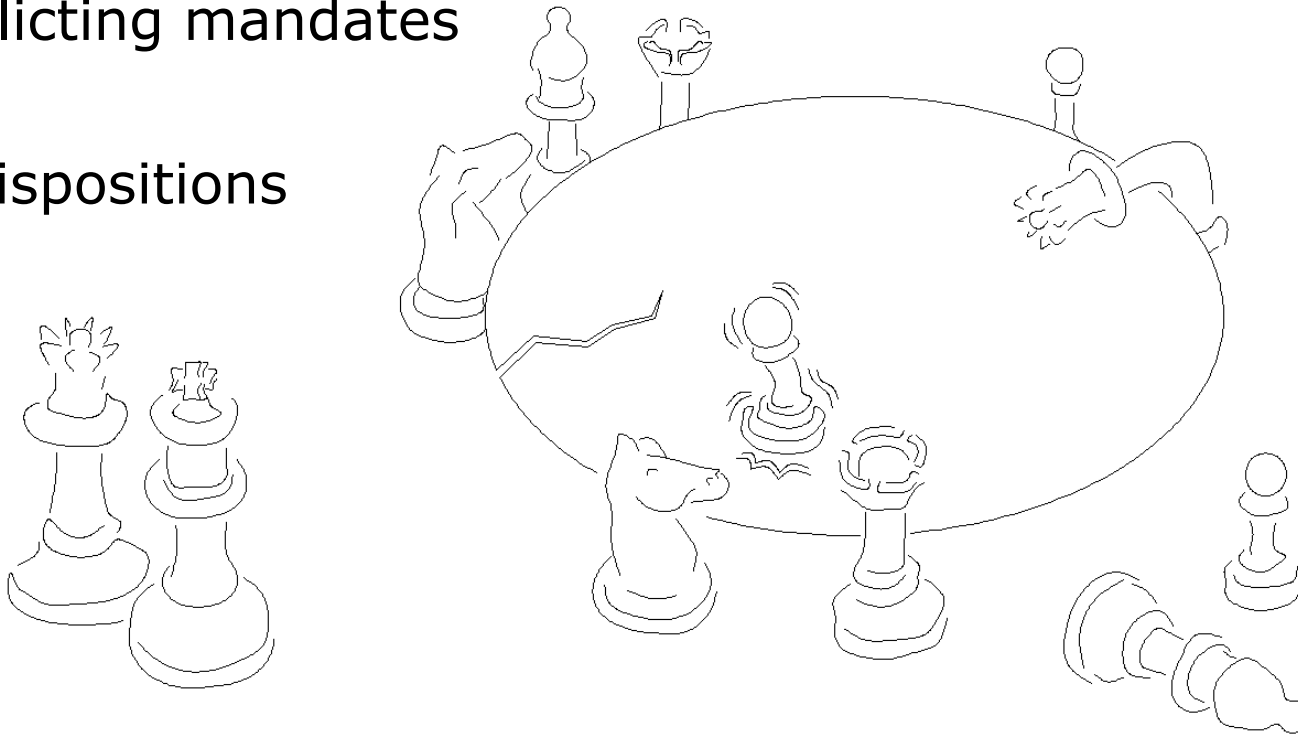
Challenges of *Social Learning*

Different approach to problem solving



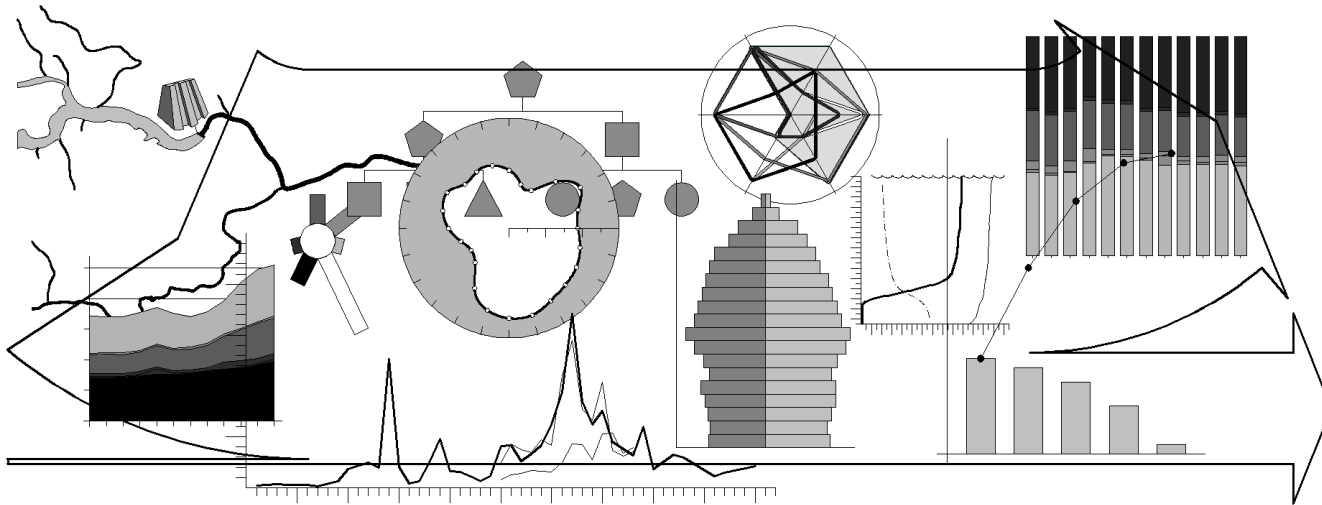
Conflicting mandates

Predispositions



Role of *Social Learning* model

Complexity of emergent environmental stressors calls for a multilateral way of thinking



Social Learning offers a model to implement a trans-disciplinary approach to research

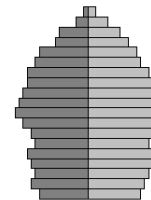
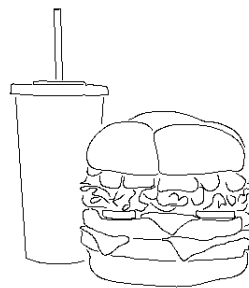
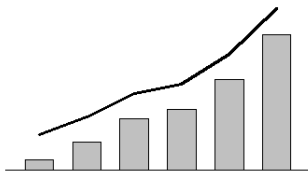
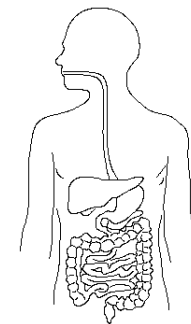
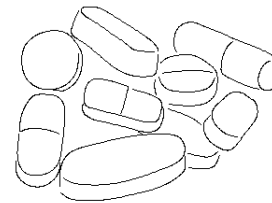
Future ambit of the WFD

Emerging contaminants, new problems requiring new solutions

Example of pharmaceutical emissions arising from human consumption



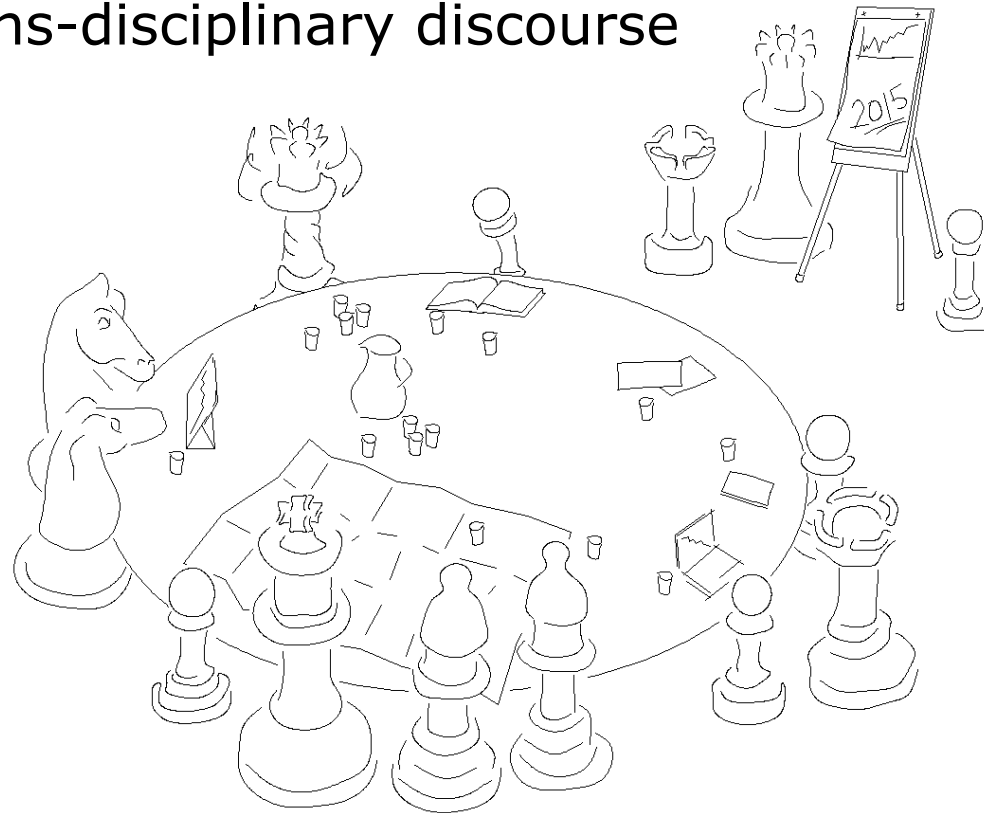
Complexity of sources alone spans across many disciplines



Opportunity for *Social Learning*

Emerging contaminants provide an ideal platform to embark on trans-disciplinary discourse

Social Learning methods can help in accomplishing a holistic outlook



*“We can’t solve problems
by using the same kind of thinking
we used when we created them”*

Albert Einstein

