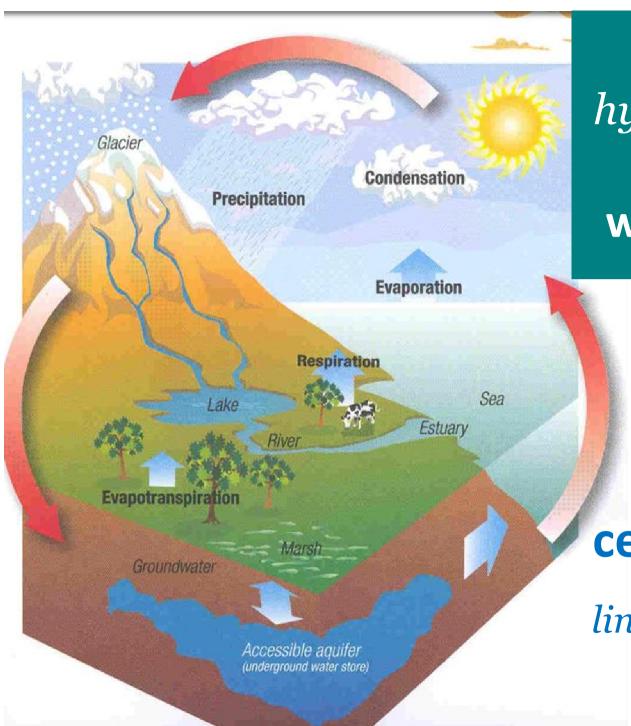


working towards integrated river restoration and management



rivers — our water arteries





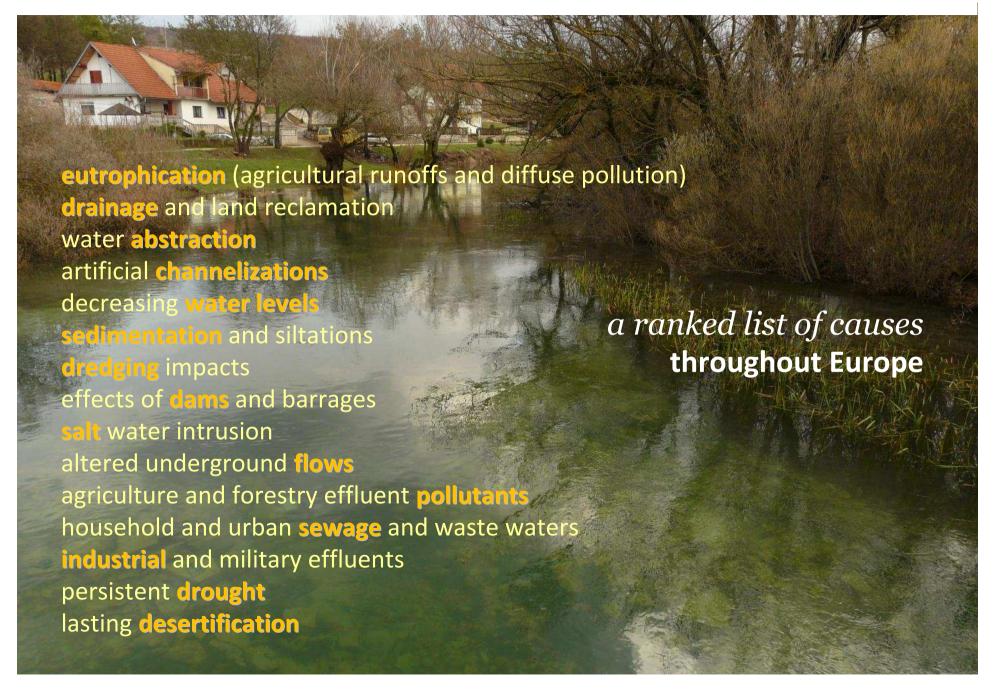
the
hydrological cycle
and
wetland concept

rivers

are the central element

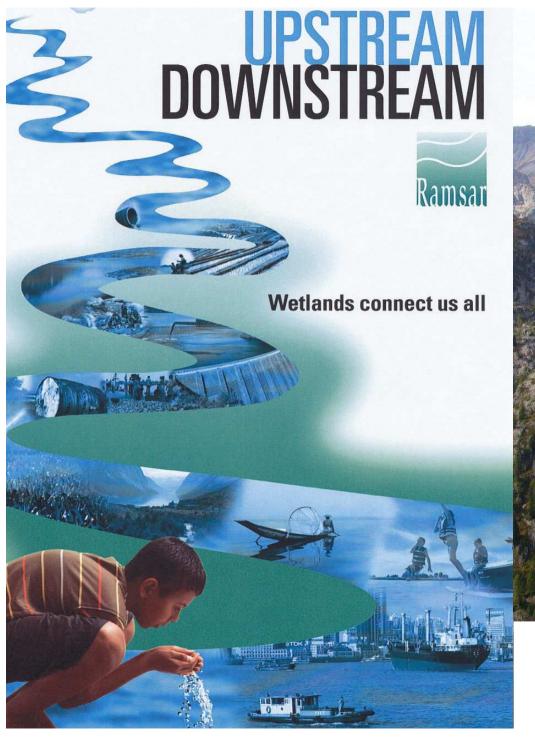
linking it all together

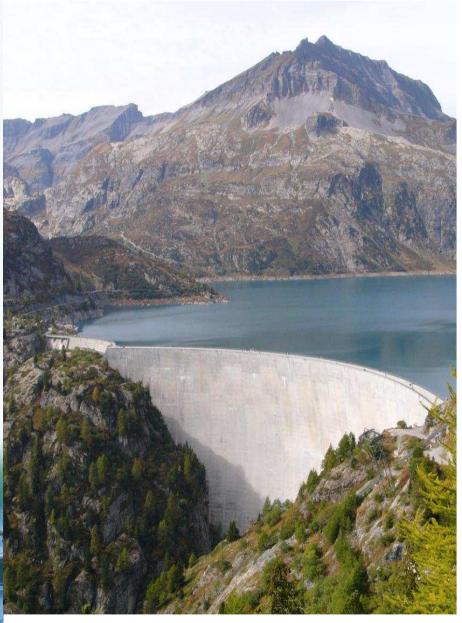
what are the issues?



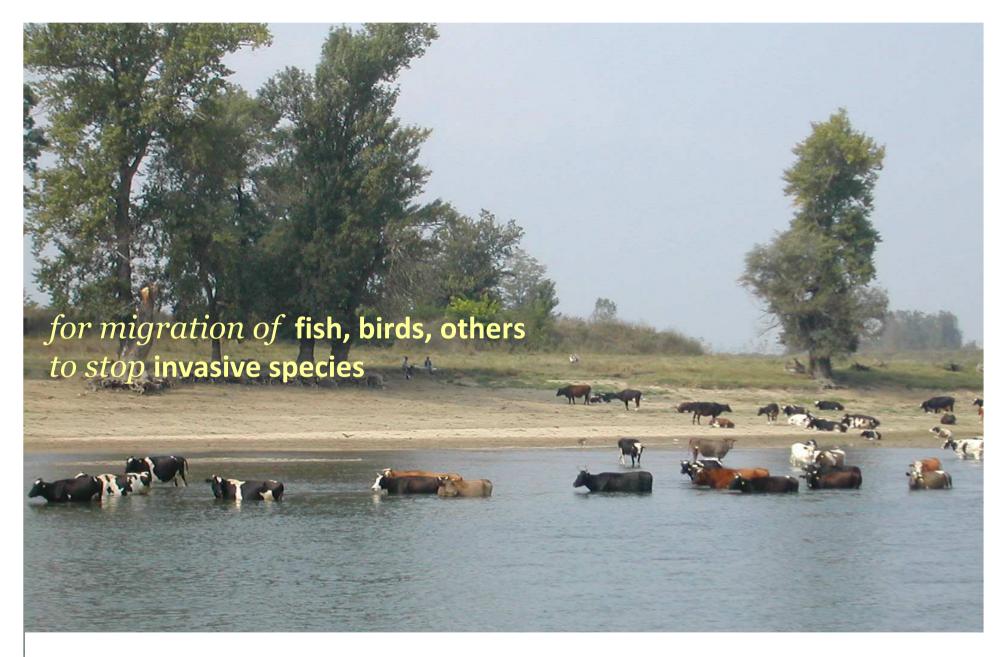


bringing back water to the ecosystem





longitudinal flows

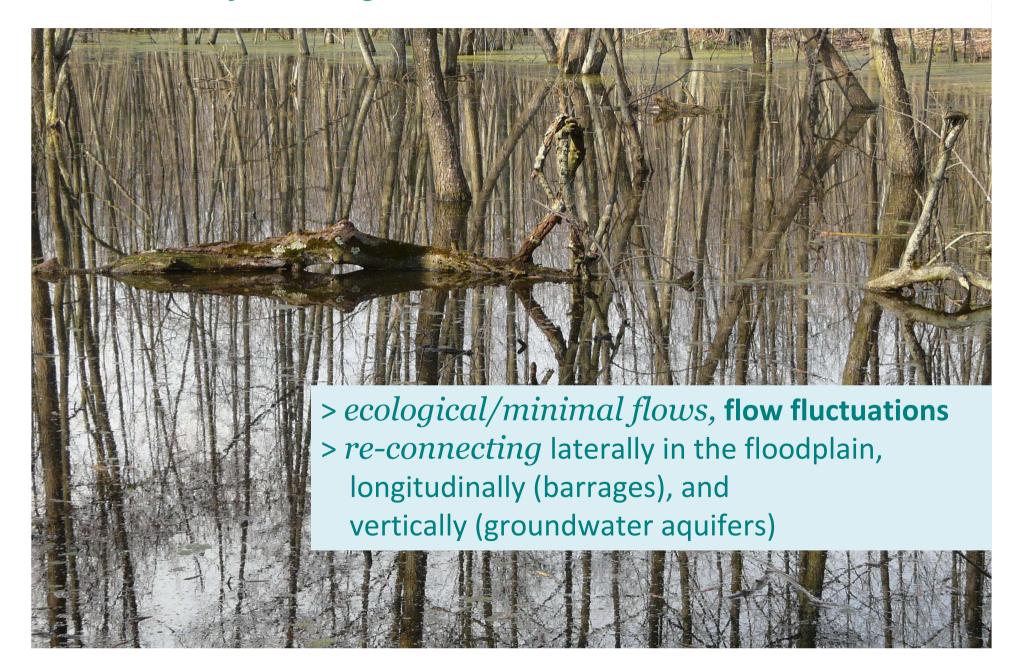


managing migration corridors



lateral flows

surface – groundwater interactions



The Economics of Ecosystems and Biodiversity (TEEB)

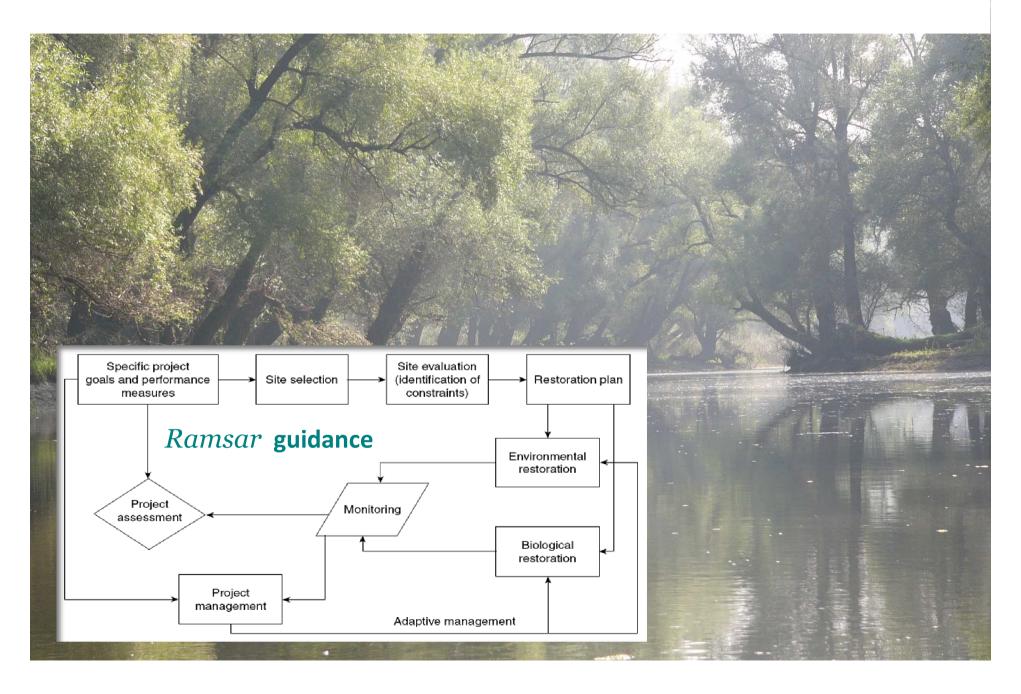
improve measurement and assessment for better management integrate the value of water and river ecosystems into decision-making transforming the management approach



costs of no action vs. restoration



restoration - what for > where > constraints > how





essential ecosystems to restore:

riverine floodplains in lowlands and mountain areas



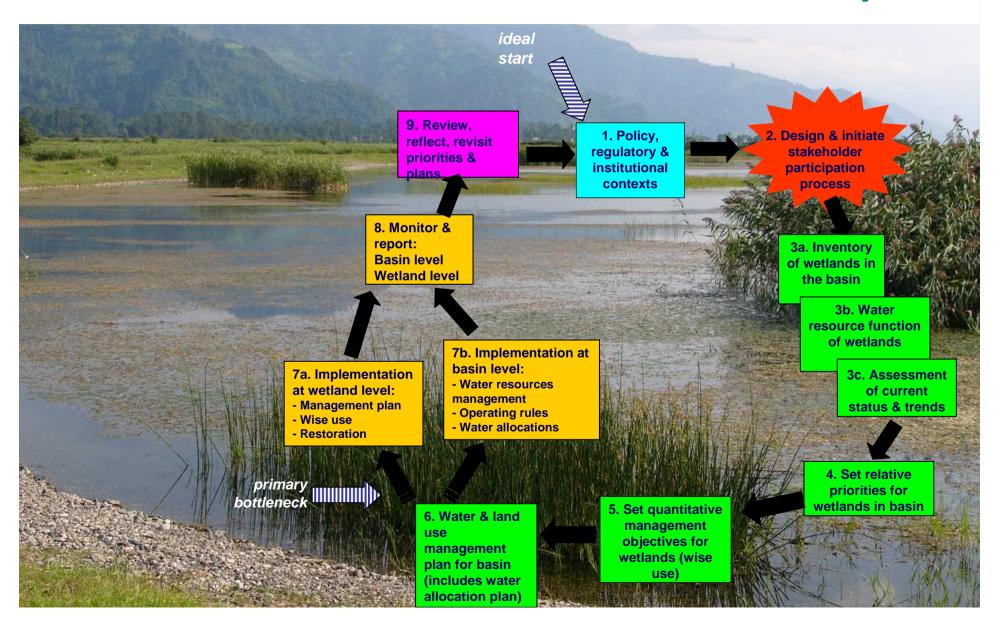
 $natural\ solutions-{\bf cheaper\ solutions}$



link upstream services with downstream users define objectives and benefits to focus investments

«critical path»

to link the catchment basin with the local ecosystem



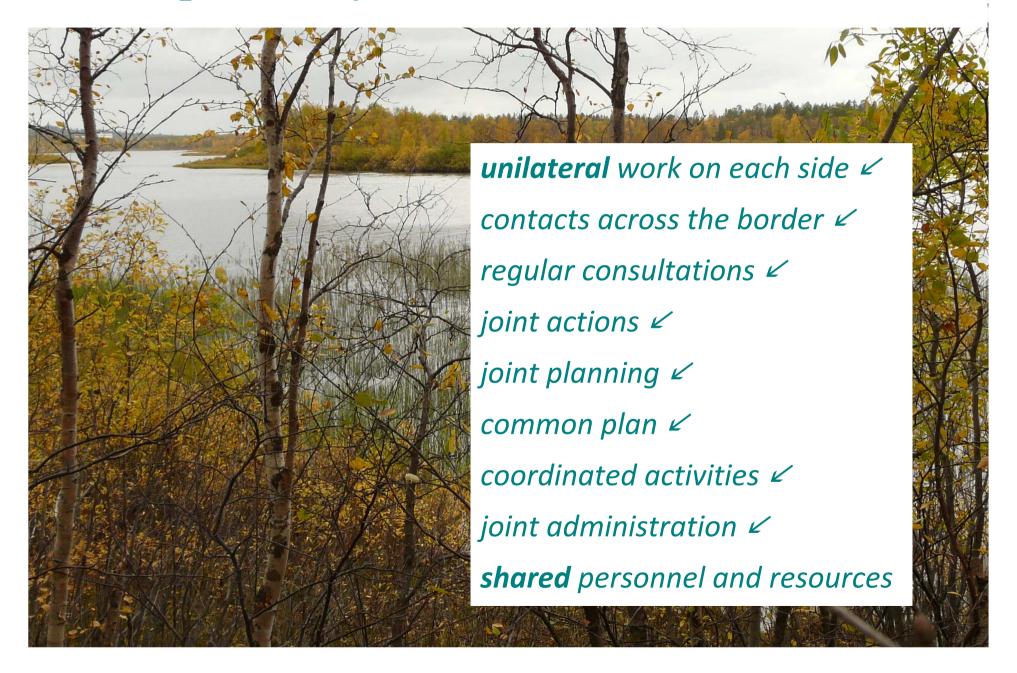
Critical Path offers a road map

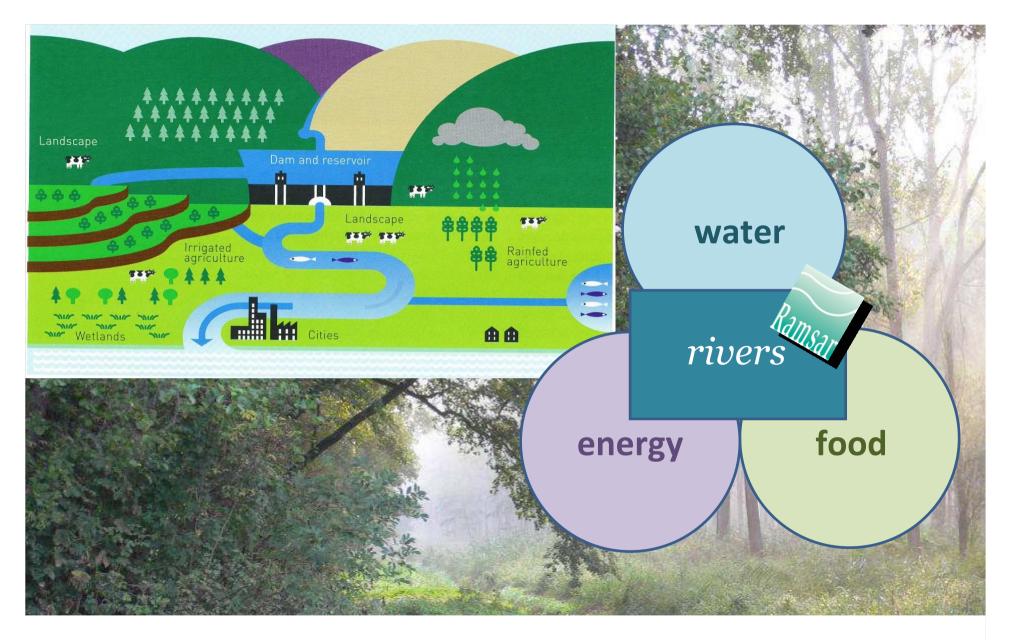


transboundary basin cooperation



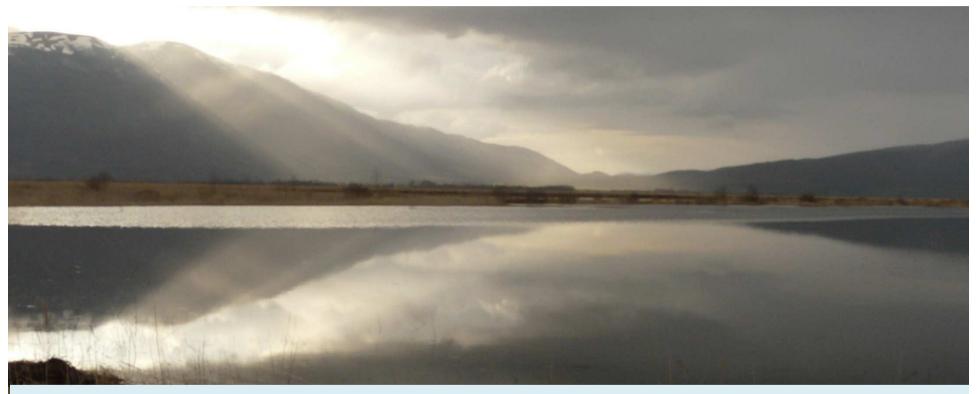
the process of transboundary cooperation





rivers – often provide the nexus (link) for sustainable natural resources management

flood alleviation may be the main driver but other objectives create synergies, add benefits and reduce costs



supply of clean water, fish, fiber, timber and other products, energy, biodiversity water retention and purification, groundwater replenishment, climate improvement nutrient cycling, sediment retention, landscape restoration, human well-being supporting leisure, recreation, education, tourism, sport and other human activities

urgency – to engage with other sectors



support exchange and networking among different actors



offer space to allow river dynamics to operate

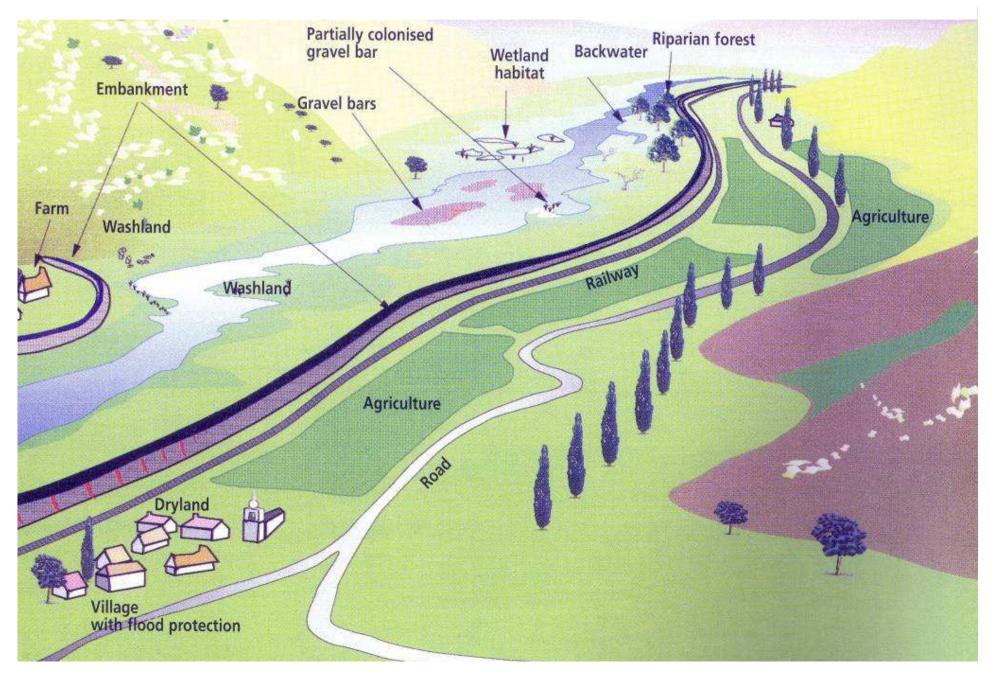
working on river culture



an ecosystems approach to water management



water and water-related ecosystem management



Ramsar, Helsinki & New York Conventions together 1971 1992 1997 2015

