

RIVER RESTORATION AND GOOD ECOLOGICAL STATUS

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HUMAN IMPACT ON

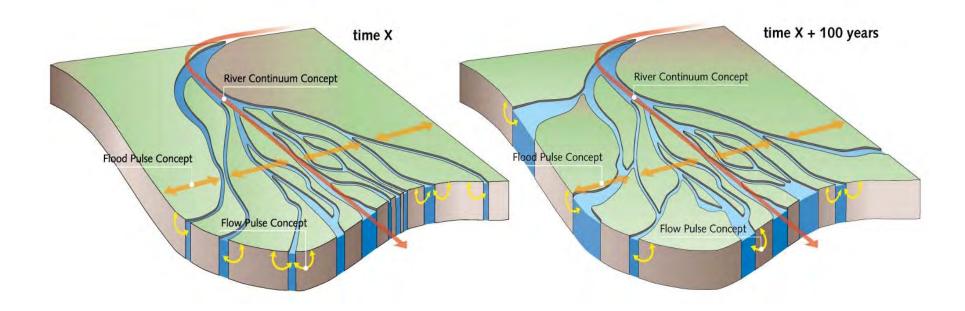


RIVERS AND DELTA'S

- (Agricultural) use floodplains big loss in natural storage volume for floods
- Modification of rivers for flood protection and navigation
- Dams for hydropower generation
- Water exploitation (abstraction) by economic sectors
- Loss of natural (hydro-morphologic) processes
- Habitat loss and fragmentation

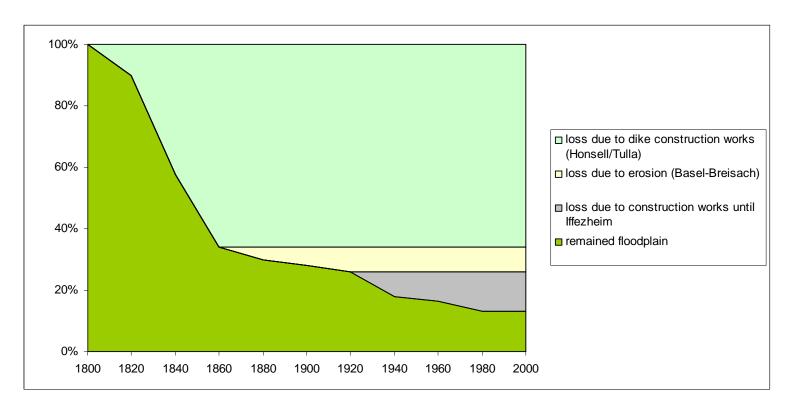


ENVIRONMENT OF A RIVER





LOSS OF FLOODPLAIN SURFACE IN UPPER RHINE



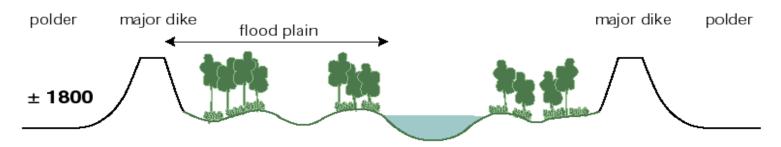


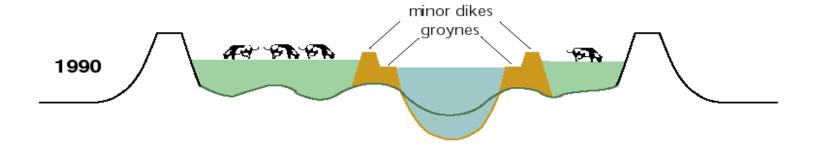
DEVELOPMENT OF



THE FLOODPLAIN

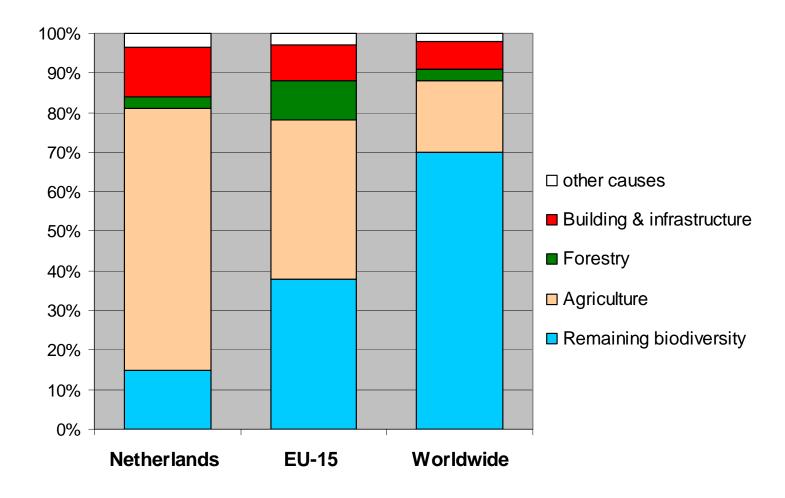
The floodplain has changed











after MNP, May 2006



PRINCIPLES OF



RIVER RESTORATION

- Restore dynamic hydrologic and geomorphic processes
- Adapt human needs to the natural river system
- Definition of reference conditions
- Restore hydrologic connectivity; longitudinal, lateral and vertical
- The human perception about restored rivers
- Regional differences
- River restoration; an integrated part of IRBM























- RR is eco-system based
- Ecological RR is an integral part of sustainable water management
- ECRR is connecting people and organizations working on river restoration (network / platform)
- ECRR supports development of good/best practices of river restoration



RR: HABITAT

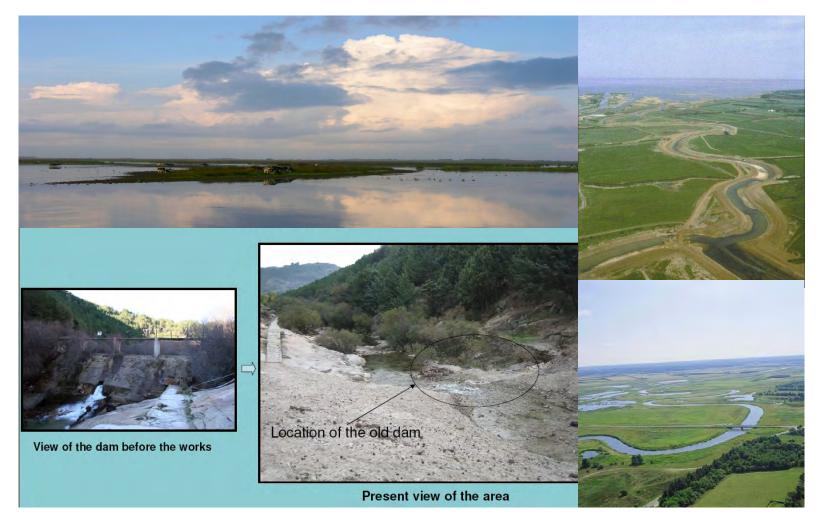


CONNECTIVITY



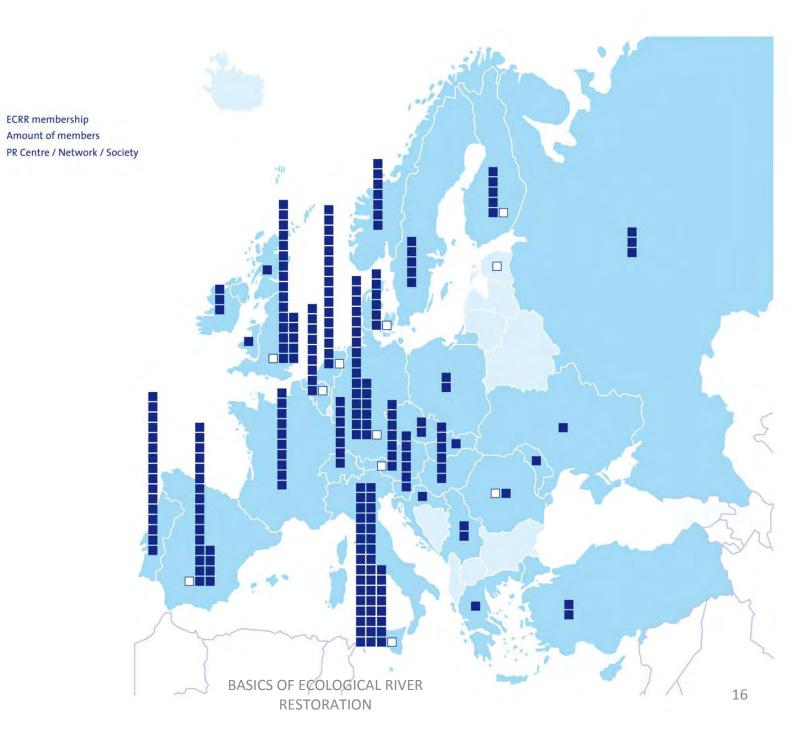


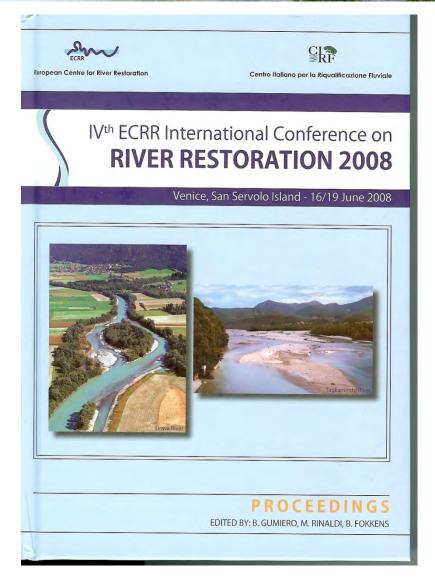
VERTICAL CONNECTIVITY

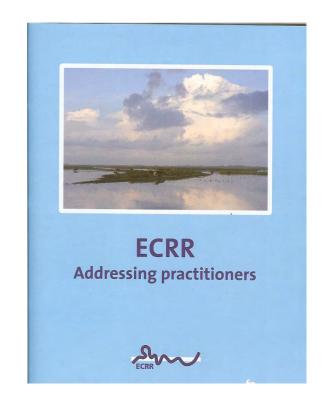


30-9-2010

ECRR Members









WFD TIME TABLE

- 2000 Directive into force
- 2008 Draft IRBM Plan
- 2009 IRBM Plan +Plan of Measures
- 2010 Introduce pricing policies
- 2012 Operational Plan of Measures
- 2015 Meet environmental objectives; first cycle
- 2021 Second cycle
- 2027 Third cycle



FISH PASSAGE RIVER DRAVA AUSTRIA





THUR RIVER SWITZERLAND







SKERNE RIVER ENGELAND







PRUT RIVER ROMANIA





DANUBE RIVER HUNGARY





NEW POLICY DRIVERS FOR RR

- IMPROVE/EXTEND ECOLOGICAL NETWORKS
- ADAPTION TO CLIMATE CHANGE\





MAIN TARGET AUDIENCE





RESTORE PROJECT STRUCTURE

