



EFFICIENCY & MULTIPLE BENEFITS

The interest of combining hydraulic infrastructure and nature-based solutions to face the issue of climate change.

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ECRR ASSOCIATION MEMBERS & PARTNERS

ECRR MISSION

Enhance

Ecological River
Restoration

throughout

PAN - EUROPE



4 > 6
JUNE
2018
LYON
FRANCE



Finnish Environment Institute

AGENCE FRANÇAISE
POUR LA BIODIVERSITÉ
ÉTABLISSEMENT PUBLIC DE L'ÉTAT





ECRR STRATEGY

- **Dissemination** of Ecological River Restoration **Information** amongst ca. 2500 individuals
- **Establishment** of River Restoration **National** and **Topic Centers** now 14 organisations
- Annual workplan for and with all members, and **largely in collaboration with Wetlands International**
- Partnerships with **various International Water Organisations** like **GWP(CEE), WWFCEE, ICPDR**

The background of the slide is a composite image. The top portion shows a wide, flat river landscape with a group of people standing on the right, looking at a map or information board. The bottom portion is an aerial view of a river with a large, light-colored sandbar or island in the center, surrounded by green vegetation and some buildings on the left.

HUGHE CHALLENGES IRBM

- Climate change, mitigation and adaptation
- Extended and intensified economic use and social needs concerning water
- Good ecological status, hydro-morphological impacts, ecological river restoration
- Floods and droughts, natural water retention, green infrastructure, ecological flows
- Principles, policies, planning and implementation



Nature-based Solutions to address global societal challenges

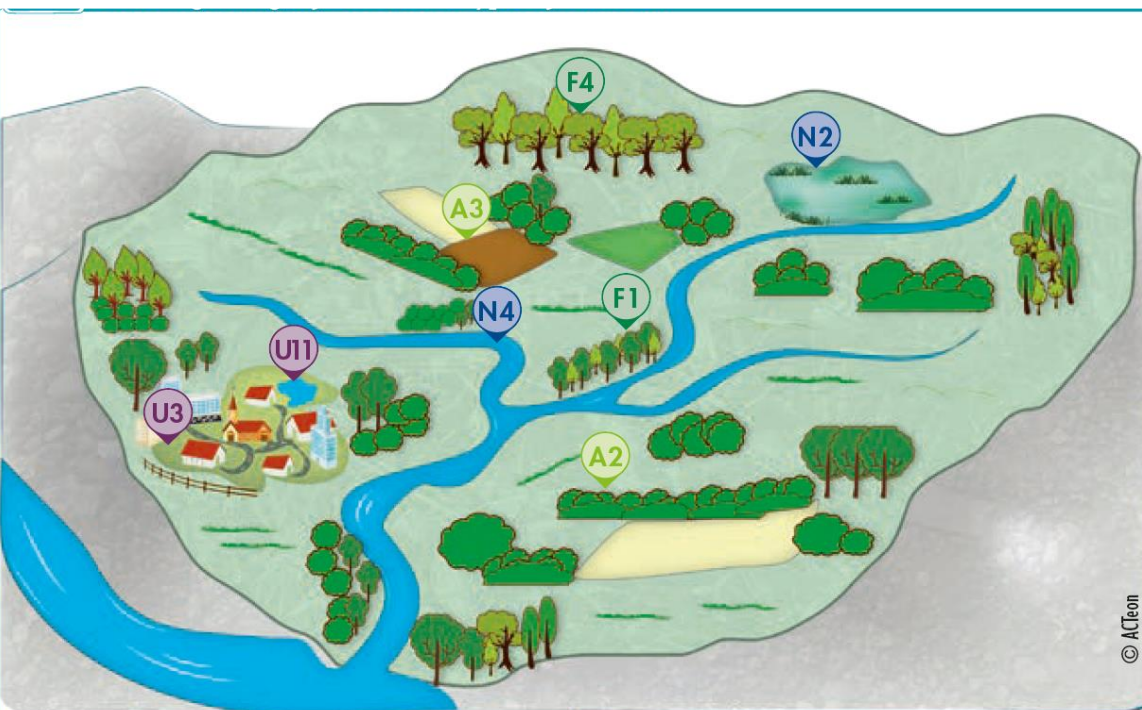
Editors: E Cohen-Shacham, G Walters, C Janzen,
S Maginnis





SCHEMATIC CATCHMENT & NWRM

Covering a range of sectors and types of measures



A2 Buffer strips and hedges	F1 Forest riparian buffers
A3 Crop rotation	F4 Targeted planting for catching precipitation
U3 Permeable surfaces	N2 Wetland restoration and management
U11 Retention ponds	N4 Re-meandering



URBAN RIVER RESTORATION & NRW





ROOM FOR THE RIVER APPROACH



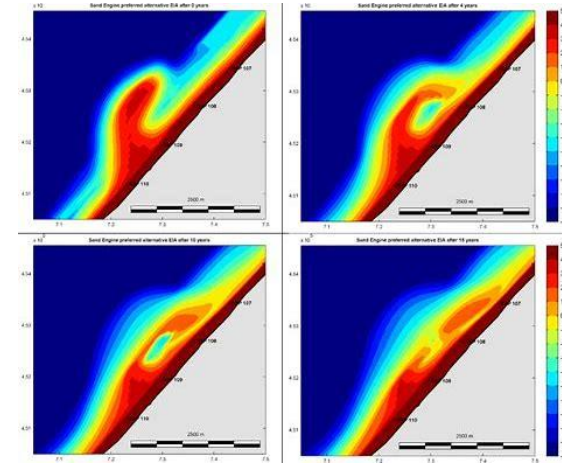


LEADING PRINCIPLES: GREEN INFRASTRUCTURE & RIVER CONTINUITY





THE DUTCH SAND MOTOR & MARKER WADDEN



MULTIPLE BENEFITS

- Optimised performance
- Ecosystem processes restoration
- Increased biodiversity
- Ecosystem services
- Reduced costs
- Sustainable, resilience, robust
- Stakeholder involvement
- Public participation
- Policy coordination and integration