



# 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



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 landscape with a river or wetland area, where a group of people in outdoor gear is gathered around a table, possibly a map or informational display. The bottom portion is an aerial view of a river winding through a lush green valley, with a small town visible on the left side.

# HUGE 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

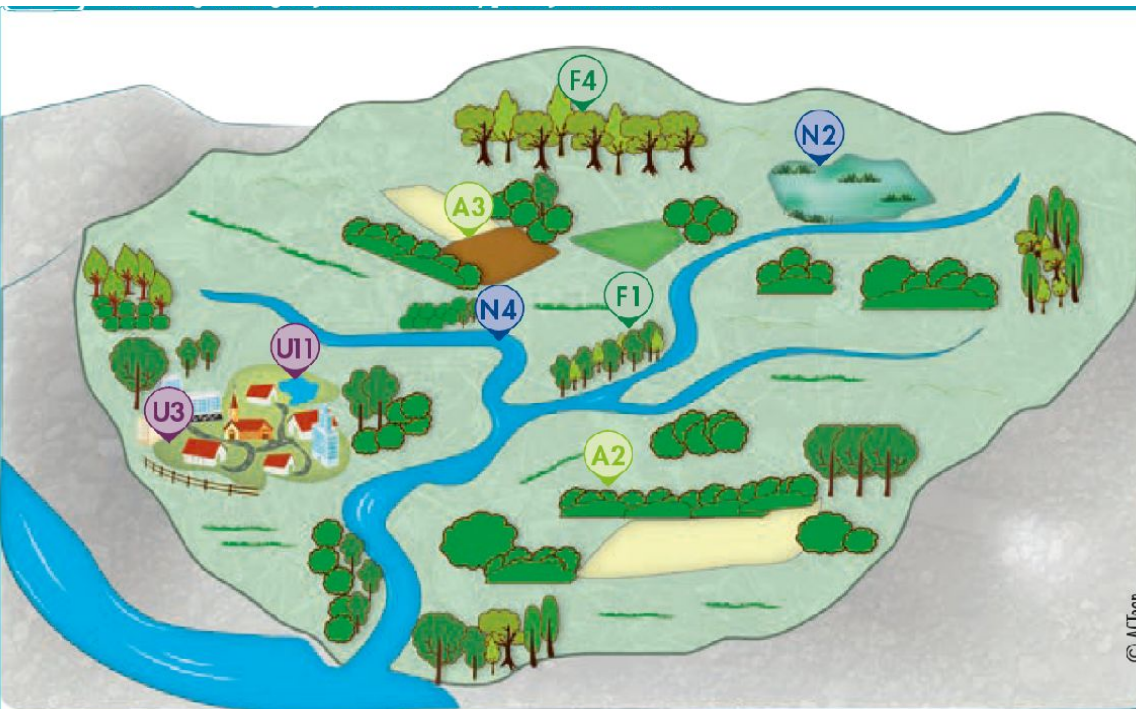
Editors: E Cohen-Shacham, G Walters, C Janzen, S Maginnis





# SCHEMATIC CATCHMENT & NWRM

## Covering a range of sectors and types of measures



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





# URBAN RIVER RESTORATION & NWRM





# ROOM FOR THE RIVER APPROACH





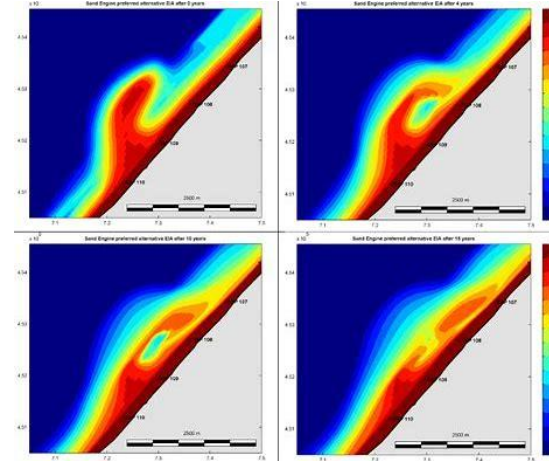


# LEADING PRINCIPLES: GREEN INFRASTRUCTURE & RIVER CONTINUITY





# THE DUTCH SAND MOTOR & MARKER WADDEN



A wide-angle photograph of a wetland landscape with a shallow body of water, reeds, and a distant horizon under a cloudy sky.

# MULTIPLE BENEFITS

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