

Dam Removal and River Continuity Restoration

Sharing Practices

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ECRR Association

- To encourage and support ecological river restoration throughout greater Europe
- Is an independent association, free to voice its opinions, irrespective of the interest of partners and supporters.





River Restoration



Restoring towards natural functioning of rivers & catchments



Large variety of land and water management measures



A framework for sustainable multifunctional use of rivers



More than just implementing EU Directives



EU Directives are drivers for river restoration progress

STRATEGIC GOALS



The association shall endeavor to achieve its purpose by:

- Connecting people and organisations working on river restoration and management.
- Supporting the development of best practices of river restoration and management.
- Exchanging information about river restoration

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ECRR Actions



- **Dissemination** of (technical) 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** - GWP(CEE), ICPDR, Ramsar,.....

ECRR key activities 2019



**WEB BASED DATA
BASE OF
RESTORATION
PROJECTS / CASE
STUDIES**



**PRODUCTION OF A
TECHNICAL
(POSITION) PAPER
FOR THE WFD
REVIEW.**



**RIVER RESTORATION
WORKSHOPS,
CONFERENCE
(PRESENTATION),
STUDY TOUR**



**STRENGTHENING
AND EXTENDING
THE NETWORK**



**INSTITUTIONAL
DEVELOPMENT
ASSOCIATION,
GOVERNANCE, FUNDING**



**PROFESSIONALISING
COMMUNICATION
AND COOPERATION**



**ECRR NEWSLETTER
WITH CA. 2500
SUBSCRIBERS**



**ECRR WEBSITE
WWW.ECRR.ORG**



CEN Standard for 'River Restoration'

European Committee for Standardization

(CEN: *Comité Européen de Normalisation*) – 34 countries

Final draft of new CEN standard for 'River hydro-morphology & modification'

Proposal for 'River Restoration' from WG 25

- Encourage a consistent approach to survey, monitoring and assessment around Europe
- Contribute to work on European directives, such as the WFD and the Habitats Directive
- Encourage international collaboration in developing new methods
- Provide a framework to help countries without their own national methods to develop them

Speak to your national Standards Institute to encourage the need...

ECRR Submission to the Public Consultation of the WFD Fitness Check

- It is generally not the WFD and RBMP instrument causing problems.
- The aspect that fails is the implementation at the local, regional and national levels.
- Failing is often based on conflicting objectives, lack of policy coherence, or lack of political willingness and understanding.
- ECRR remains very supportive of the WFD and does not want its ambitions weakened.
- The WFD fits very well with the vision and concept of river restoration promoted by the ECRR.
- And that concept fits very well with the UN Decade on Ecosystem Restoration aim to restore degraded and destroyed ecosystems.





River Continuity?!

27-3-2019

Freeing the rivers of Lithuania -
Amber National Workshop March 20, 2019

ECRR WFD SUBMISSION SHOWS THAT EU BACKING FOR RIVER CONTINUITY RESTORATION IS NEEDED

There is in most countries still
no integrated approach to
river (continuity) restoration

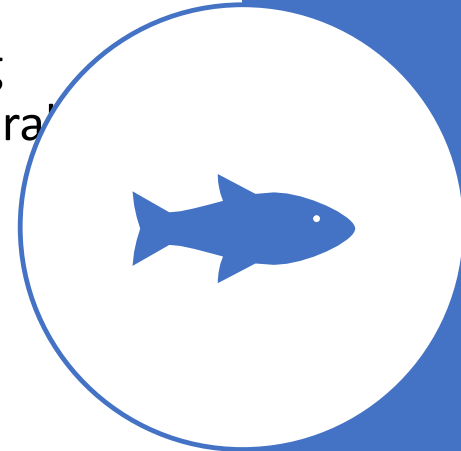
Integration of river continuity
into national strategies that
underpin the ambitions of the
WFD and the implementation
of the RBMP's

Specifically the removal of
obsolete dams and barriers
need development of action
plans.

Cross-policy EU guidance is needed
for the regulation and balance
between sustainable hydropower
and a natural environment.

BEST PRACTICES RIVER CONTINUIUTY RESTORATION

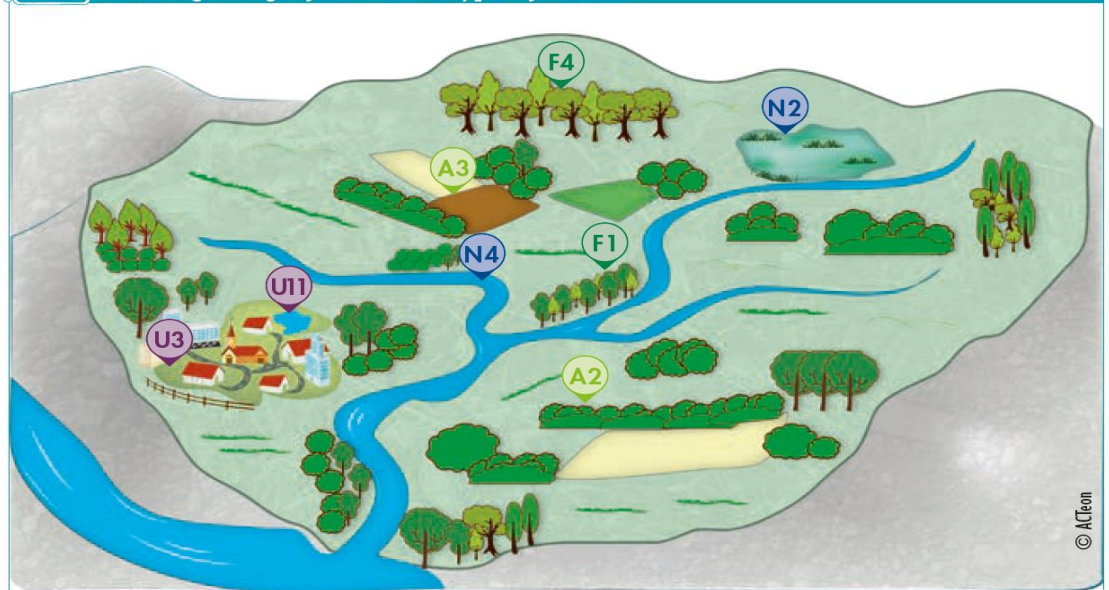
- WFD River continuity = river flow is not disturbed by anthropogenic activities.
- WFD Common Implementation Strategy = improving natural dynamics and connectivity: longitudinal, lateral and vertical!
- Hydro- morphological processes.
- Barrier Surveys; Adaptive management of barriers.
- Water-use, floods and droughts.
- Fish migration. For various fish species
- Dam removal; Mitigation, compensating impacts.
- Specific knowledge development and exchange.
- Politics, advocacy and communications concerning (integrated) policies, funding.



NOT ALL DAMS CAN OR SHOULD BE REMOVED !







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

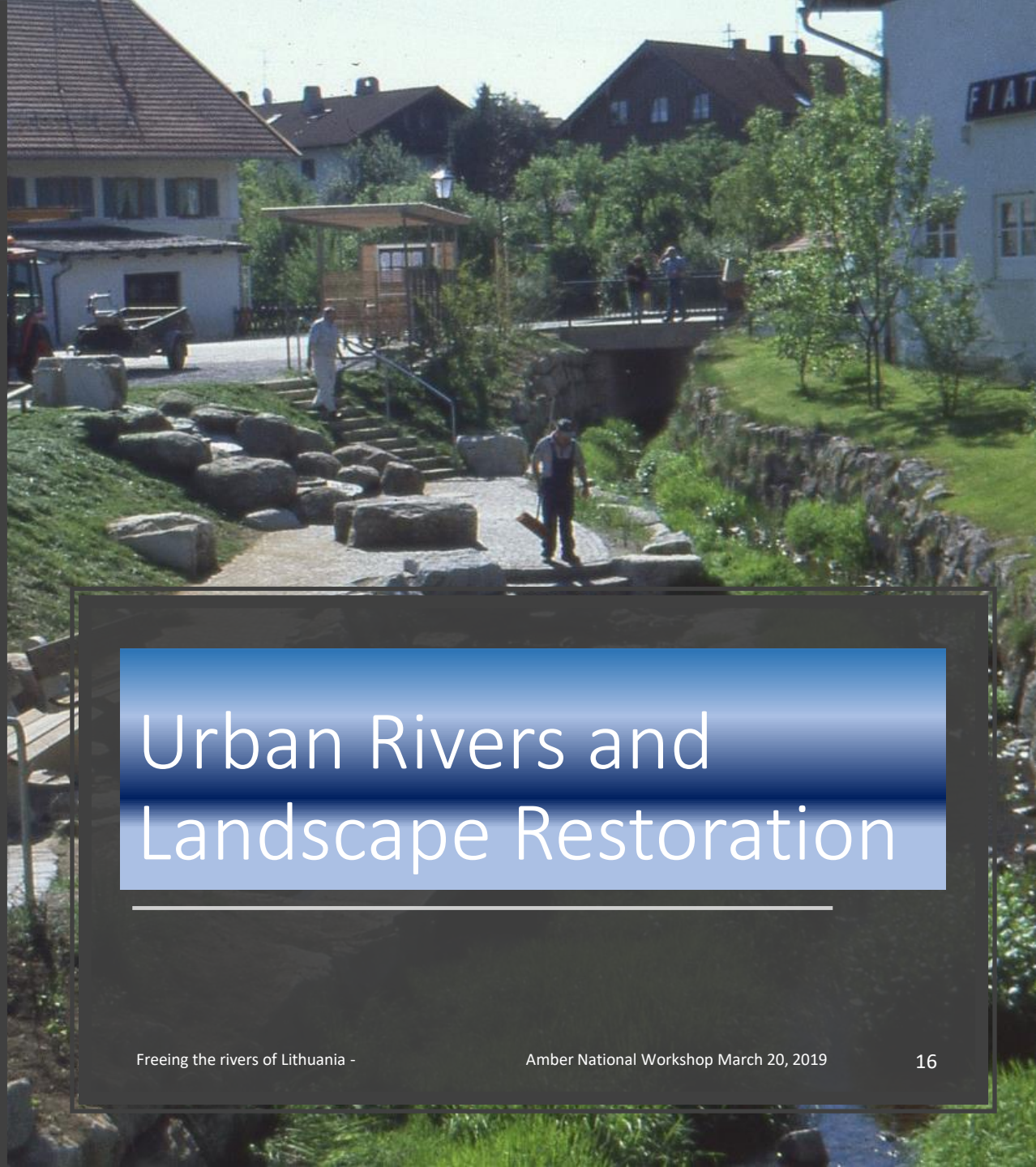
Natural Water Retention Measures



Monikonpurosta on tehty asuinviihtyvyyttä lisäävä puistoihje Leppäviidan ekologiselle korttelialueelle.



27-3-2019



Urban Rivers and Landscape Restoration

Freeing the rivers of Lithuania -

Amber National Workshop March 20, 2019

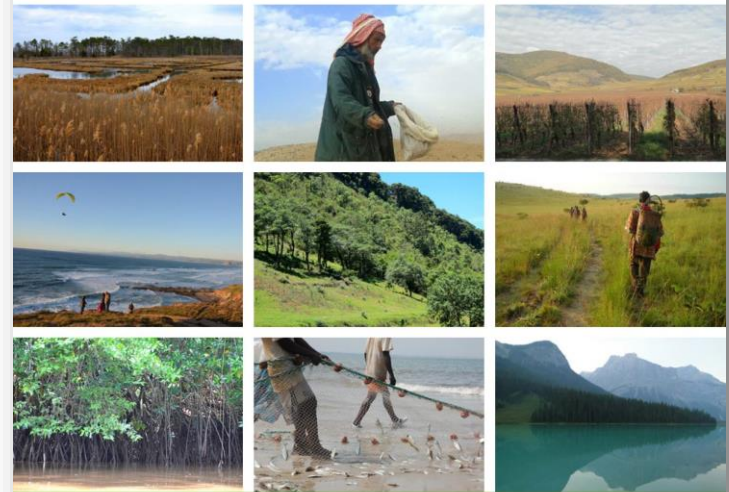
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Nature Based Solutions = integrating nature



Nature-based Solutions to address global societal challenges

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





NBS River Restoration = MULTIPLE BENEFITS



Decade on Ecosystem Restoration 2021-2030

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



Thank you for your attention!

ECRR has chosen river connectivity restoration as a guiding theme for its promotion plans and supporting activities.