

Pilot Project - Atmospheric Precipitation -Protection and efficient use of Fresh Water: Integration of Natural Water Retention Measures in River basin management

Service contract n°ENV.D.1/SER/2013/0010

Recap from the First Western Network Workshop

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Recap from the first workshop

Key points:

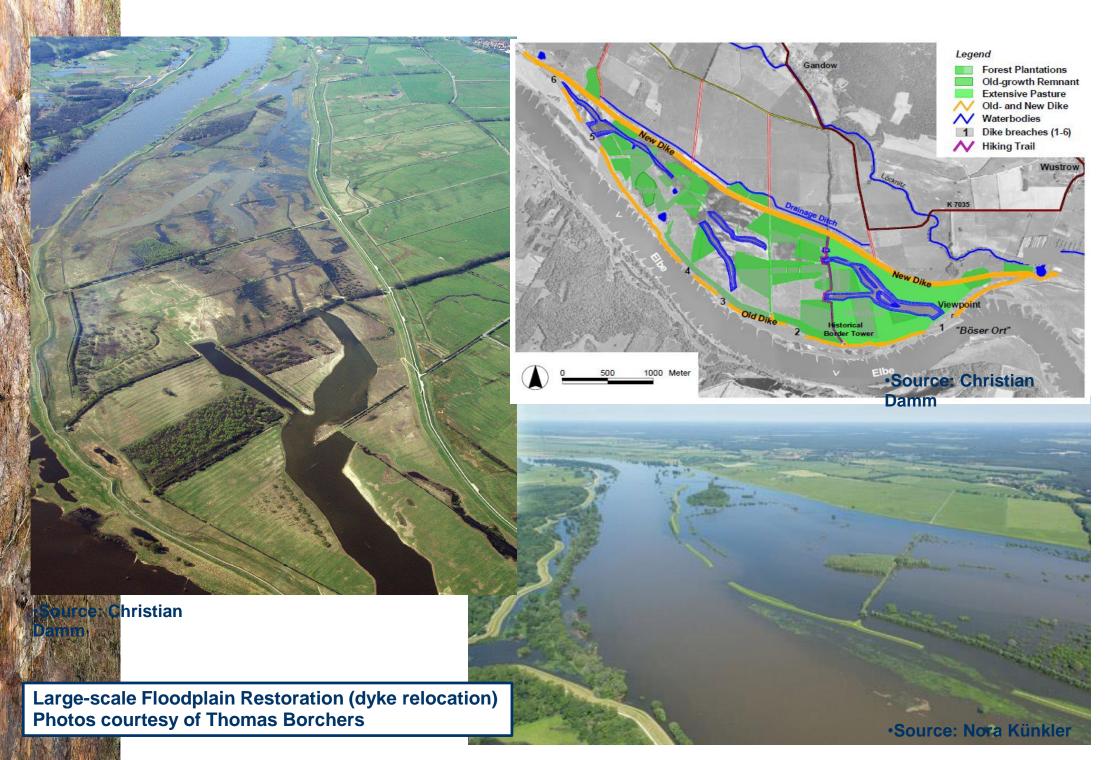
1. The focus was on Natural Flood Management



Afforestation for Natural Flood Management Photos courtesy of Roy Richardson, SEPA















Re-meandering for river restoration and flood management Photos courtesy of Chris Spray, University of Dundee









Sustainable stormwater management Photos courtesy of Peter Close



Recap from the first workshop

Key points:

1. The focus was on Natural Flood Management

2. Main drivers:

- Flood risk management
- River restoration
- Biodiversity- nature conservation projects
- ... not WFD, for any of the case studies!

So how can it be tied more closely to WFD?



Recap from the first workshop

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- 1. The focus was on Natural Flood Management
- 2. Main drivers:
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So how can it be tied more closely to WFD?

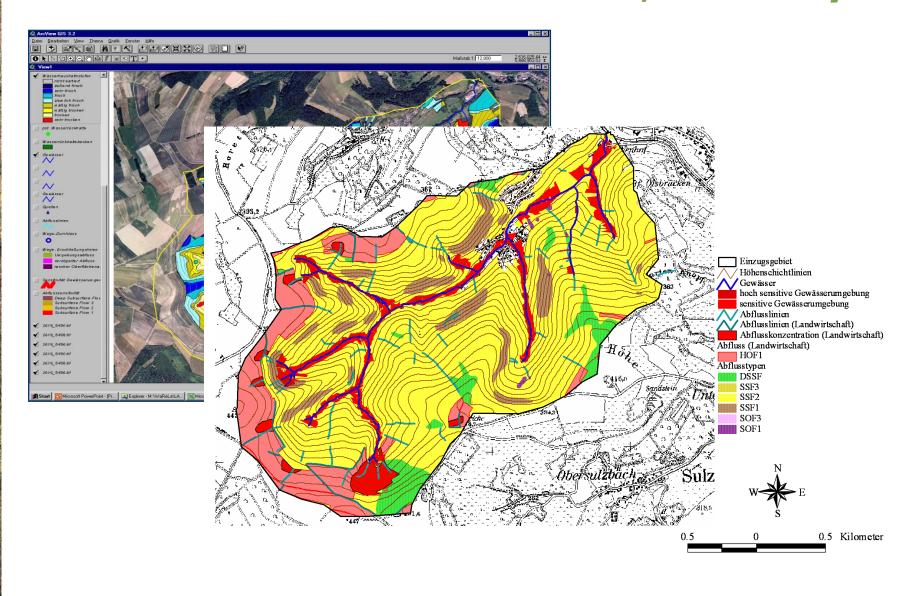
- 3. Because of this: may be seen as a burden rather than an opportunity- just something needed for compliance
 - How can this be overcome?



Recap from the first workshop Key points:

- 4. Catchment-scale application is key, both for:
 - Effectiveness:
 - Placement of measures in the catchment
 - Cumulative/ downstream benefits
 - Will it provide a benefit everywhere, or are there trade-offs?
 - Implementation: Partnership working

Forested headwater catchment, Germany

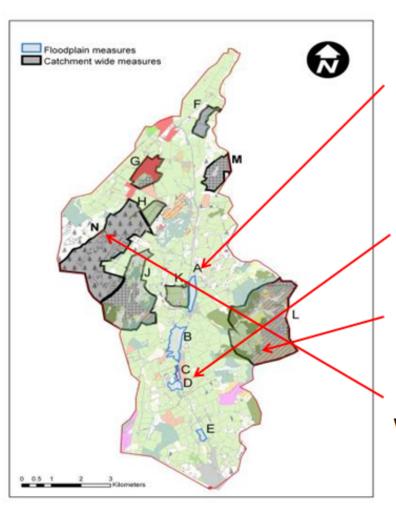


Courtesy of Gebhard Schueler



Eddleston Water, Scotland

Identified potential options to restore the river: - reduce flood risk and improve habitats - in different locations (sources and pathways)



Selected options/measures:

A: breach/set back embankments, new fence margins, riparian woodland, wet woodland,

C: re-meander channel - Cringeltie

L: Reduced stocking density, tributary woodland, floodplain forest – Longcote burn

N: create ponds, wetlands, riparian woodland block ditches, engineered log jams – Middle burn

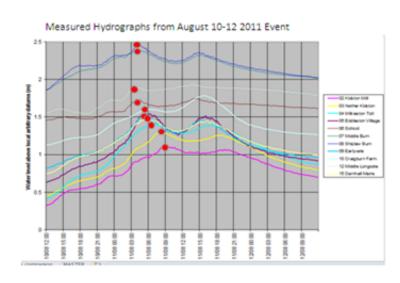
Courtesy of Chris Spray

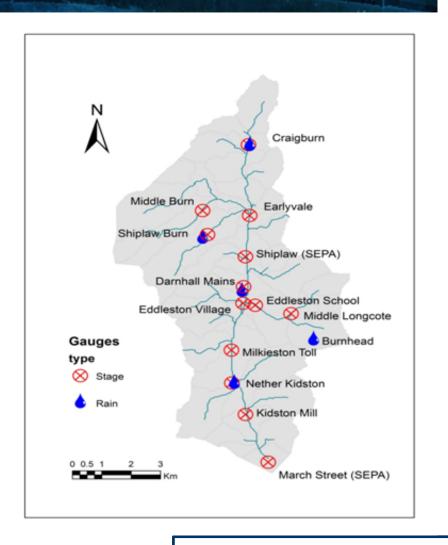


Eddleston Water, Scotland

Installed Monitoring network for Catchment flood flows

- Installed a new detailed Hydrometric Network to record river levels and flood flows. Also Weather stations
- Identification of how and where flood runoff is initiated and its conveyance downstream, causing flooding

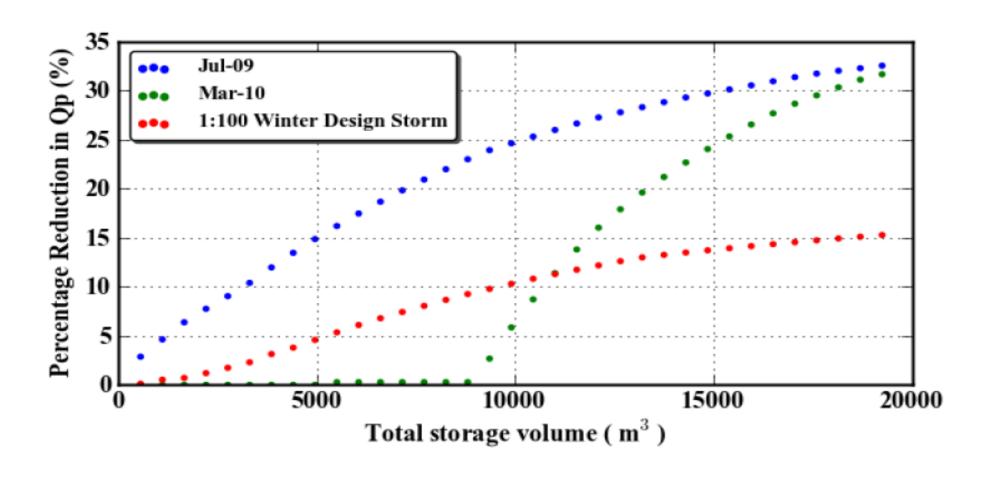




Courtesy of Chris Spray



Belford, England



Courtesy of Mark Wilkinson



Key considerations for this workshop:

Incorporating NWRMs in to catchment management

- Getting the scale right
- Recognising multiple benefits
 - Making multiple benefits work
- Financing opportunities
- Strengthening links between Directives
 - E.g. meeting the aims of one directive through another

