





REstoring rivers FOR effective catchment Management (11/11-10/15)

Tom Buijse, the Netherlands
Ian Cowx, UK
Harm Duel, the Netherlands
Nikolai Friberg, Denmark
Angela Gurnell, UK
Daniel Hering, Germany
Eleftheria Kampa, Germany
Erik Mosselman, the Netherlands
Susanne Muhar, Austria
Matthew O'Hare, UK
Tomasz Okruszko, Poland
Massimo Rinaldi, Italy
Jan Vermaat, the Netherlands
Christian Wolter, Germany

2nd All Partners Meeting – Sept 2012



Eleftheria Kampa, Ecologic Institute, WP7 Lead







Structure of presentation

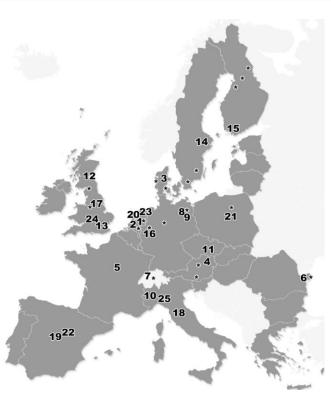
- Introduction and overview of REFORM project
- REFORM WIKI (open-access web-based knowledge management system)
- Dissemination highlights & Science-Policy Interface of REFORM
- Links between REFORM and BioFresh?







Partners



25 partners from 14 European countries

No.	Participant organisation name	Short	Country
		name	
1	Stichting Deltares (Coordinator)	Deltares	Netherlands
2	Stichting Denates (Coordinator) Stichting Dienst Landbouwkundig Onderzoek B.V. – Alterra	Alterra	Netherlands
3	Aarhus University – National Environmental Research Institute	AU-NERI	Denmark
4	Universitaet fuer Bodenkultur Wien	BOKU	Austria
5			France
6	French Research Institute for agricultural and environmental engineering	Cemagref DDNI	Romania
7	Danube Delta National Institute for Research & Development		Switzerland
	Swiss Federal Institute of Aquatic Science and Technology	Eawag	
8	Ecologic Institut gGmbH	Ecologic	Germany
9	Leibniz-Institute of Freshwater Ecology and Inland Fisheries	IGB	Germany
10	European Commission Joint Research Centre	JRC	Italy
11	Masaryk University	MU	Czech Republic
12	Natural Environment Research Council – Centre for Ecology & Hydrology	NERC-CEH	UK
13	Queen Mary, University of London	QMUL	UK
14	Swedish University of Agricultural Sciences	SLU	Sweden
15	Finnish Environment Institute	SYKE	Finland
16	University of Duisburg-Essen	UDE	Germany
17	University of Hull	UHULL	UK
18	Università di Firenze	UNIFI	Italy
19	Universidad Politécnica de Madrid	UPM	Spain
20	VU University Amsterdam, Institute of Environmental Studies	VU-IVM	Netherlands
21	Warsaw University of Life Sciences	WULS	Poland
22	Centro de Estudios y Experimentacion de Obras Publicas	CEDEX	Spain
23	Dutch Government Service for Land and Water Management	DLG	Netherlands
24	Environment Agency of England and Wales	EA	UK
25	Istituto Superiore per la Protezione e la Ricerca Ambientale	ISPRA	Italy







Hydromorphological pressures in European surface waters

- 127 000 surface water bodies
 - 82% rivers
 - 15% lakes
 - 3% coastal and transitional waters
- HYMO pressures affecting ...
 - 40% river and transitional waters
 - 30% lakes
- Causes
 - Hydropower
 - Navigation
 - Agriculture
 - Flood protection
 - Urban development

Source: EEA report 8/2012 European waters – assessment of status and pressures





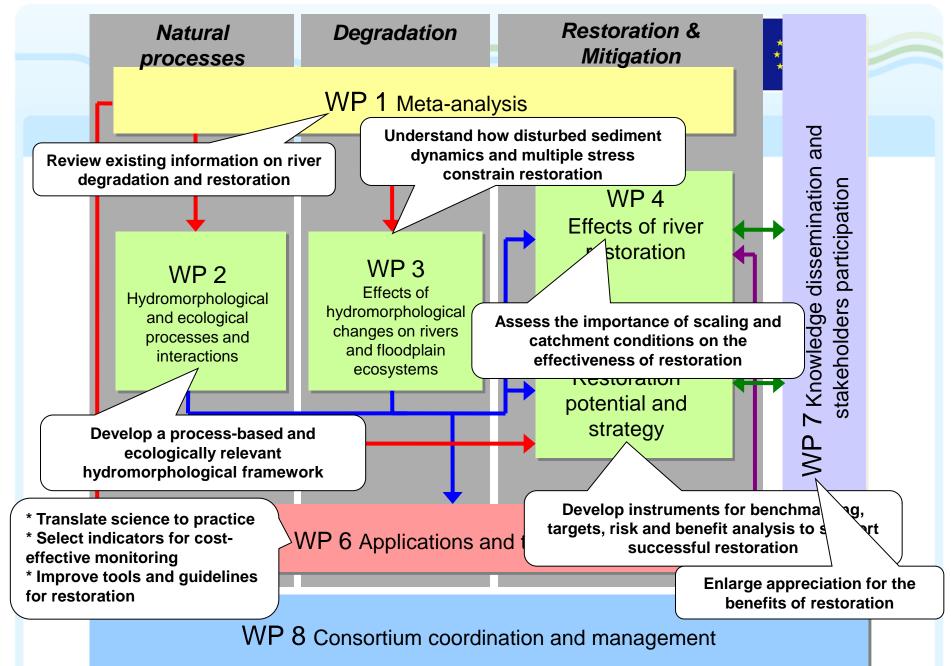


Protection of Europe's aquatic ecosystems and their services

- Balancing protection and sustainable use
- Water & Nature protection
 - Not enough coordination between WFD and Natura 2000
- Protection of small water bodies
- Restoring & preserving aquatic ecosystems
 - Multiple benefits for WFD and BHDs
 - Making room for the rivers, Strategy on Green Infrastructure (EC, 2010) ...

Source: EEA report 8/2012 European waters - assessment of status and pressures

 EC Blueprint to safeguard Europe's water resources, reformed CAP, Biodiv Strategy 2020









Cooperation with ...



make use of earlier research projects (e.g. REBECCA, WISER, FORECASTER)



RESTORE (LIFE+ Information & Communication)



European Centre for River Restoration (ECRR)



WFD Implementation: ECOSTAT common implementation strategy (CIS)

Gary Brierley, Johan Kling, Margaret Palmer, Hervé Piégay, Peter Pollard, Ursula Schmedtje, Bas van der Wal

Advisory Board of REFORM







Knowledge sharing

- Wiki: web-based knowledge management system
 - open access
 - web-based translation facilities
 - link between science and practice
- Populating of wiki with content
 - interim results in March-April to support 2nd RBMPs
 - All REFORM deliverables organized in wiki (reports, papers, tools)
- Development in interaction with end users
 - CEDEX, ISPRA, EA, DLG
- Care for post-project hosting







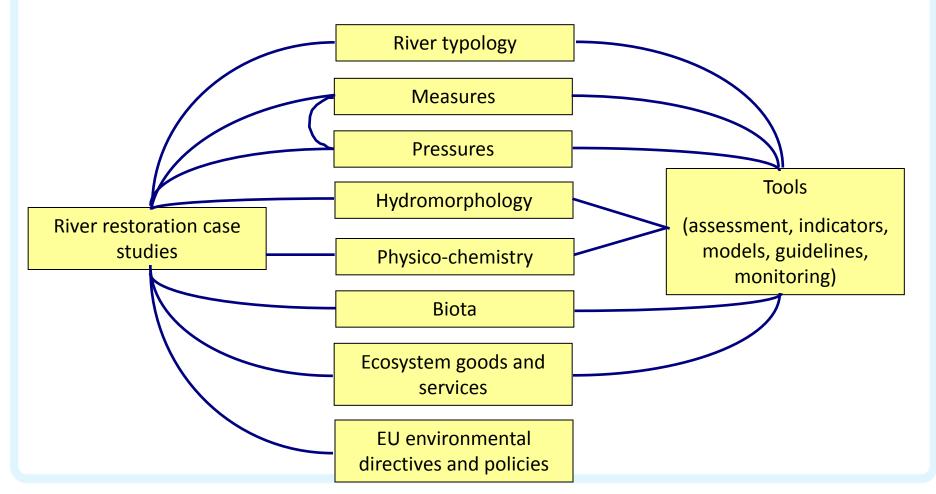


Structure: live links in REFORM wiki

(http://wiki.reformrivers.eu)

Know-how Knowledge

Evaluation

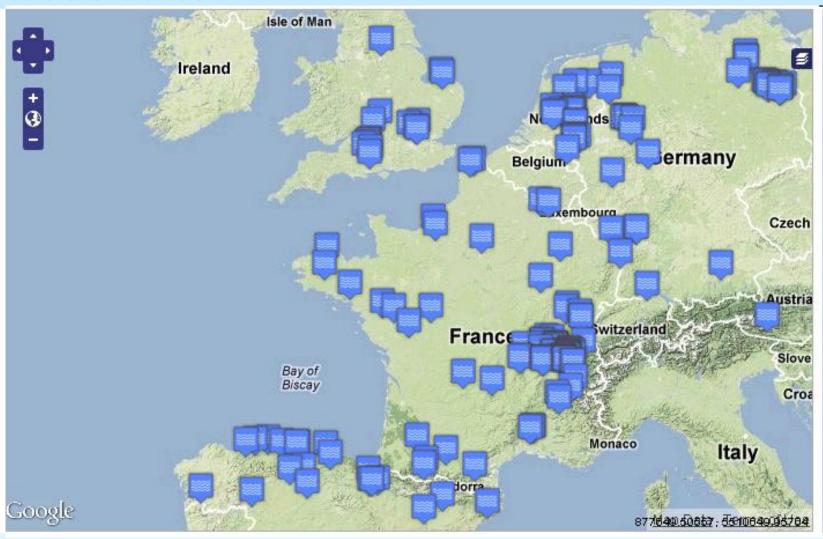








Case studies



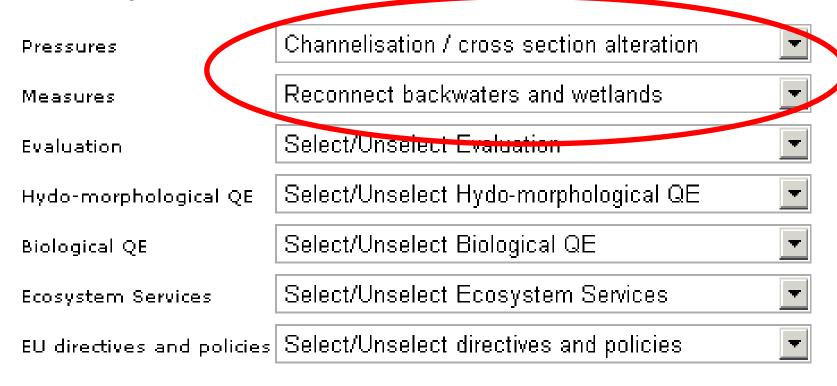






Case studies

Filter options:









Case studies

Key features of the case study

Site description



View on side channel set of Floodplain "Gameren", downstream direction. Photo: Rijkswaterstaat (NL)

Under the authority of the Ministry of Transport, Public Works and Water Management (Eastern Netherlands division), the Institute for Inland Water Management and Waste Water Treatment RIZA executed a monitoring program on secondary channels in the Gamerensche Waard. During

the period 1996-2002 a broad and complete program was executed with three main objectives: 1) evaluation of the desired effects, 2) assessment of the undesirable side-effects (risks) and 3) increase of the knowledge about secondary channels.

In the period 1995-1999 three secondary channels were excavated in the Gamerensche Waard along the river Waal (the main side branch of the river Rhine). Regarding the dimensions, these channels are unique for Dutch rivers. These channels are digged out partly from former agricultural grassland and partly they exists of connected former sand

Factsheet: Gameren

General

Country NL

River Name Waal

Site Name Gameren

River Characterisation

River typology

Location (Lat 51.8062000807445, Lon) 5.20940780639648

Altitude lowland: < 200 m

Catchment area very large: > 10000 km2

Geology Calcareous

National code/ R7

River type name

Hydromorphological quality elements

- · River depth and width variation
- Structure of the riparian zone

Biological quality elements

- Phytoplankton
- Macrophytes and phytobenthos







Tools

REFORM

REstoring livers FOR effective catchment Management

Category Discussion	R	ead View source	View history		Go	Search	
Reform	Category:Tools						
• Homepage	omepage General tools page.						
* REFORM	Will contain links to database tool categories, such as:						
River Characterisation	Hydraulical models						
Pressures Hydromorphological assessment methods							
 Measures 	Subcategories Subcategories						
Tools This category has the following 2 subcategories, out of 2 total.							
Case studies							
 Biological Quality 	IYMO Quality • Hydromorphological assessment methods						
 HYMO Quality 							
 Ecosystem Services 							
EU Directives	Pages in category "Tools"						
Database							
Related Sites	The following 8 pages are in	he following 8 pages are in this category, out of 8 total.					
Contact Information	E	М		т			
Toolbox	European methods for WF		1	-			
What links here			cal assessment	Test model Main Dage			
Related changes	F	P		 Main Page 			
Special pages	 Fish longitudinal continui 	ty • Physical ha	abitat assessment				
Printable version	assessment	R					
 Permanent link 	н		bitat assessment				

 Hydrological regime assessment







Interaction with end-users

Communication & Dissemination Strategy (March 2012) End-user groups: policy makers, practitioners, scientists

Standard

Website, Newsletters (2/yr), Policy Briefs (3)

Advanced

- WIKI linking theory to practice
- Stakeholder Workshop (Feb 2013)
- Interaction with WFD WG ECOSTAT

Events

- Stakeholder workshop (Feb 2013)
- Local workshops in CS catchments (tbd)
- Summer school (2015)
- Final conference (2015)

Information

Target groups

- General Public
- Universities
- NGOs

Consultation

Target groups

- River Basin Planners
- Environmental Agencies
- Policy Makers

Tools

- Website
- Newsletter
- Scientific Papers

Tools

- Policy Briefs
- Stakeholder Workshop
- Wiki River Restoration



REFORM







Specific Task on Policy integration

- Target groups
 - Policy makers (water, biodiversity, navigation, flood control, agriculture, renewable energy)
 - Practitioners
- Key contacts: WFD CIS-Groups
- Secure REFORM's tie to WFD implementation EU-wide
- REFORM partners & Advisory
 Board in WG ECOSTAT

- Meetings with CIS-Groups
 - WG on Floods, 4/2012
 - ECOSTAT WS on HyMo,6/2012, 2/2013
 - 3rd EWC & Blueprint Conf.
 - Policy briefs (3)-launch 4/2013
- Policy discussion papers (3)







REFORM Stakeholder Workshop, 26-27 Feb 2013 BRX

- Aim: Consultation and exchange between REFORM scientists, European technical experts on RR and members of WG ECOSTAT
 - Mid-term results of REFORM presented to stakeholders
 - Stakeholder feedback on tools developed by REFORM & setting priorities for future work programme
 - Reflect on relevant activities in MS & other countries
- 110 participants: ECOSTAT (MS), Flood WG, NGOs, RR networks, user stakeholders, EC, REFORM partners
- 13 speakers: REFORM partners, ECOSTAT, EEA, DG ENV, CIS SPI activity, Life+ RESTORE project, WISER







Workshop focus on stakeholder interaction

Online forum

- Stakeholders invited to submit key issues on river restoration in RBMPs (Nov 2012)
- Little used though. Is it useful?

Discussion Paper

Progress update on REFORM and proposed topics for discussion (Feb 2013)

Interactive workshop sessions

Inventory of issues, pyramidal learning, silent discussion, prioritisation

Summary Report

Results of discussion & feedback on how suggestions will be considered (April 2013)

Website

reformrivers.eu/events/stakeholder-workshop

Feedback

- Workshop format was good 2-way communication
- Model for close cooperation between EU R&D project and WFD CIS







Links between REFORM & BioFresh

- Common partners (IGB, UDE, JRC,...)
- BioFresh coordinator scientific reviewer of REFORM
- Feedback to Biofresh data portal can be given once REFORM colleagues become familiar with portal
 - Specific WIKI reference to Data portal possible
- Themes for 2014 symposium: REFORM emphasis on impacts of pressures and the benefits of measures in river and floodplain ecosystems.







Thank you for your attention

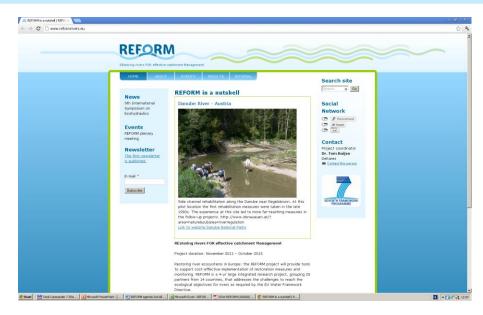


-Stay informed -

Register to our newsletter on the website







Our project website is our display window www.reformrivers.eu

COLLABORATIVE PROJECT
LARGE SCALE INTEGRATING PROJECT

ENV.2011.2.1.2-1
HYDROMORPHOLOGY AND ECOLOGICAL OBJECTIVES OF WFD

GRANT NO. 282656



