



Restoring Europe's Rivers

The RESTORE project is made possible with the contribution of the LIFE+ financial instrument of the European Community



and works in partnership with



Regional Updates Activities and Events

RESTORE-activities North Region 2011

Jukka Jormola

Finnish Environment Institute SYKE

Ljubljana 16.-18.11.2011



S Y K E

1. Engagement event on agricultural drainage

Finland, May 2011

Participants: 20 people from county agencies from Sweden

- Interests: How to
 - adopt river restoration practices in land drainage and maintenance of brooks
 - widen reproduction habitats for the vulnerable sea trout (*Salmo trutta*) population of the Baltic Sea



Solution: excavating flood terraces instead of dredging and straightening channels



Traditional style



New style

Results:

- Natural diversity of channels can be preserved
- Flood terraces collect sediment
- Habitats for fish can be restored instead of being ruined



2.Engagment event on hydropower and Water Framework Directive

Nordic water manager network meeting, Norway, September

Presentation of same subject:

INBO-congress, Portugal, September

CIREF-congress, Spain, October

- Enabling migration and compensating lost reproduction habitats by nature-like bypass channels

Constructed bypass channel in Finland



3. New case study: Restoration of an urban brook in Helsinki city, November

- Restoration of straightened channel
- Design in park landscape
- Habitat for sea trout





the River Restoration Centre

Working to restore and enhance our rivers



Restoring Europe's Rivers

The RESTORE project is made possible with the contribution of the LIFE+ financial instrument of the European Community



and works in partnership with



Western Region Update

Martin Janes

Managing Director

River Restoration Centre (UK)

RESTORE West Region Lead



The River Restoration Centre (RRC)

- Independent, not-for-profit, technical advisory organisation
- Not a consultancy = non-competitive support role
- RRC aims to *support the development* of river restoration as an *integral* part of *best-practice river management* in UK
- Dedicated to making river management more effective through the *collection and dissemination* of knowledge on river restoration, *informing and influencing* policy and practice.
 - Promotion
 - Information
 - Advice

Since 1992

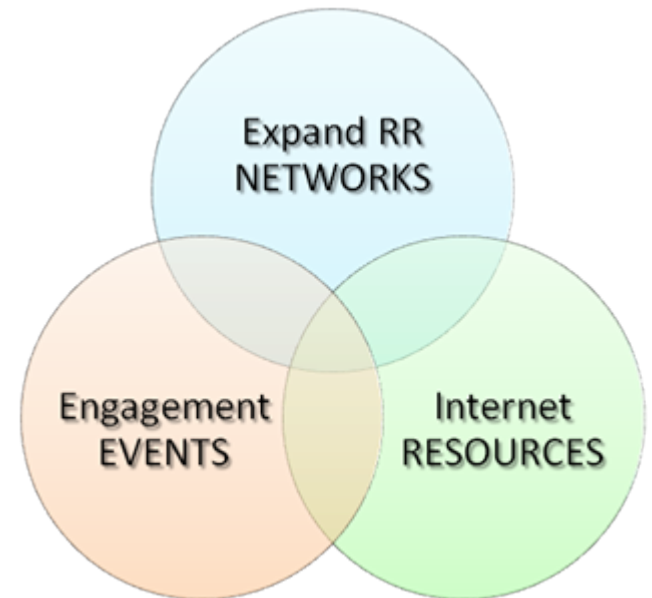




RESTORE: Western Region

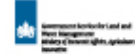
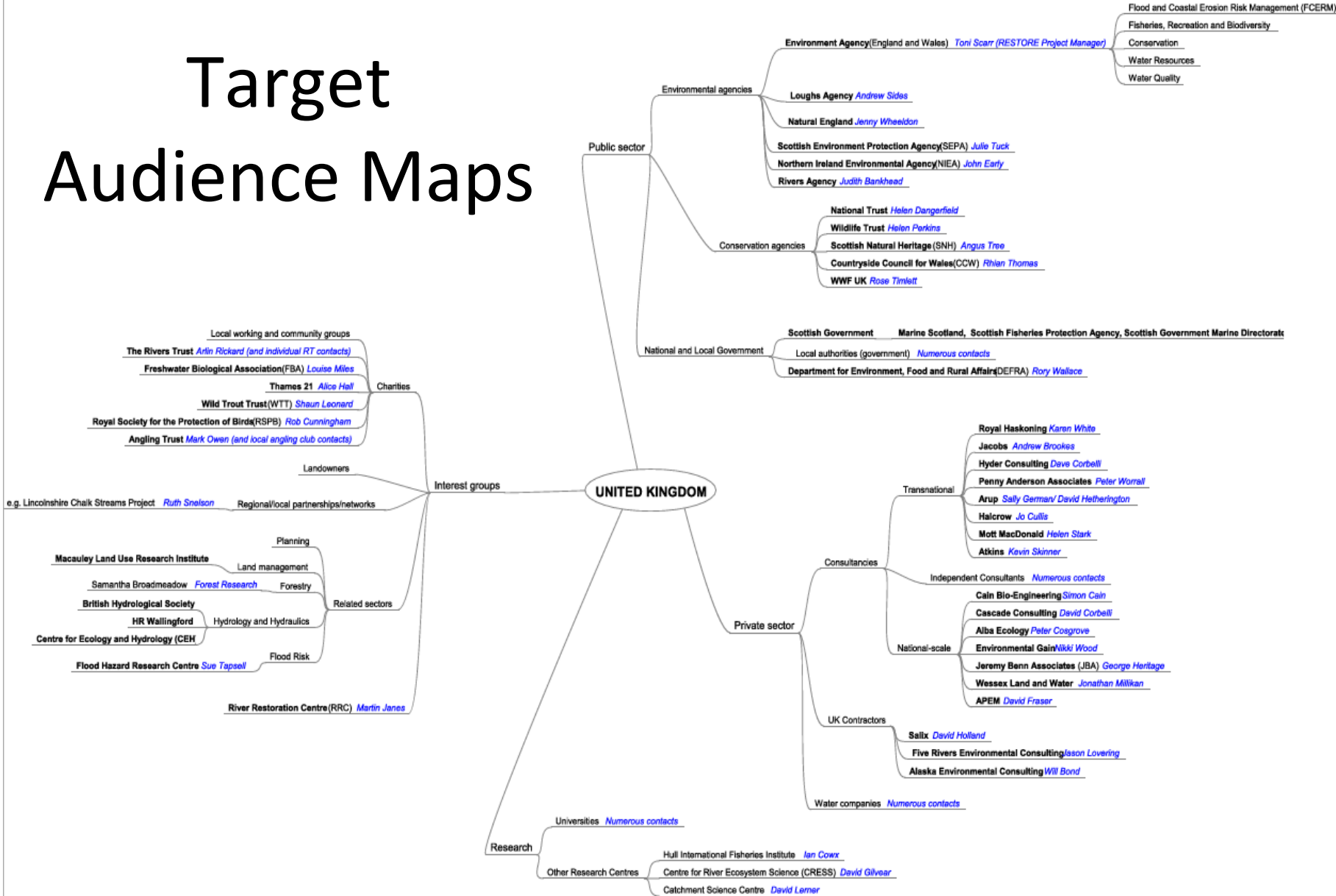


UK, Netherlands, Germany
Ireland, Denmark, Belgium
Austria, Northern France



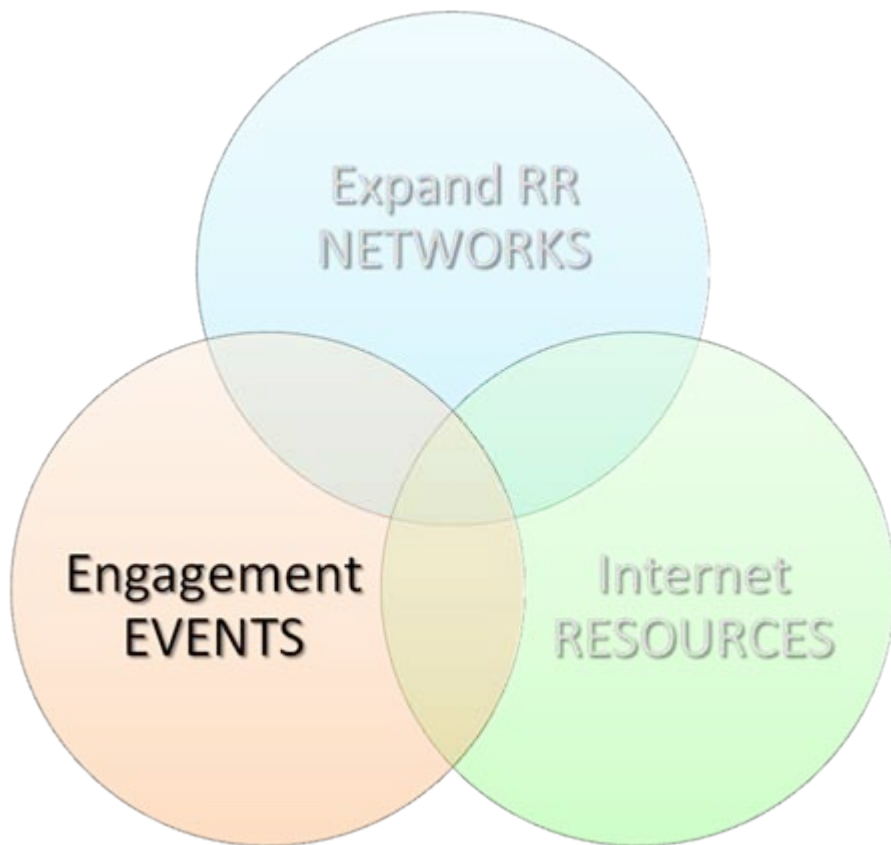


Target Audience Maps





Capacity Building *Events*



- RR Networks
- Sector-specific
 - Contractors/Consultants
 - NGO & River Trusts
 - Urban planners
 - Flood risk managers....
- Policy makers and River Basin Planners
- Field visits
- End Conference

‘River Restoration Design and Construction’

- Contractor Procurement and Frameworks lack of relevant river restoration/WFD expertise;
- The need for early contractor involvement;
- Limitations of completing the project in a financial year;
- Uncertainty and Risk: - lack of client managers’ understanding of river restoration which can lead to ‘over’-designed schemes;
- River restoration materials and availability of products?
Can we produce standard specification of materials?





Western Region – Policy & Planners

Paris, 29th November 2011 (*Places still available*)

'Policy support for catchment river restoration and landuse planning'

- How is national policy delivering river restoration?
- How to fund the catchment approach to water management;
- Incorporate into WWF6 outputs from Ljubljana.

RRC, ONEMA, UK Environment Agency....





RESTORE - Forthcoming Events

Where: *France (Paris), 29th November 2011* **Audience:** Policy makers and RB Planners

Key theme: Policy support for catchment river restoration and land use planning

Stand alone 1 day workshop.

Where: *France (Lille), 22/23rd February 2012:* **Audience:** Policy makers and RB Planners

Key theme: RBMP in Europe, benefits of River Restoration

Conference: Water management in Europe

Where: *Netherlands (Arnhem), 8/9th March 2012:* **Audience:** Practitioners

Key theme: Conflicts between landownership, planning and usage

Stand alone 1 day workshop and 1 day site visits.

Where: *UK (Nottingham), 19/20th April, 2012:* **Audience:** Practitioners

Key theme: Funding and policy and how they aid deliver on the ground

Conference: RRC Annual Conference : Delivering restoration

If you are interested in any of the above events, or can bring them to the attention of relevant colleagues – please see me over the next three days.



RESTORE - Forthcoming Events

Where: *Denmark (Aarhus), 17th – 21st June 2012*: **Audience:** Practitioners

Key theme: Monitoring effectiveness and building the evidence base

Conference: SWS Wetland Restoration: challenges and opportunities

Where: *Austria (Vienna) 17th - 21st September 2012*: **Audience:** Practitioners

Key theme: River Restoration and weir removal

Conference: 9th International Symposium on Eco-hydraulics

Where: *Germany (Hamburg), August 2012*: **Audience:** Practitioners

Key theme: Small Streams: best practice restoration and stakeholder engagement.

Stand alone 1 day workshop and 1 day site visits.

Where: *Ireland (Dublin) November 2012*: **Audience:** Policy makers and RB planners

Key theme: Delivering cross boundary catchment scale river restoration

Stand alone Workshop.

Where: *Belgium (Brussels) June 2013*: **Audience:** Policy makers and RB planners

Key theme: The Stakeholder View; how policy supports river restoration implementation

Stand alone Workshop.





Western Region Study Tours

Field visits to look at good practice examples and discuss success and lessons learned.

- ***France, River Loire*** – June 2012
 - 2 to 3 days to explore the work of the Loire Conservatoire
- ***UK – River Eden*** - June 2013
 - 2 to 3 days visiting the work of the Eden River Trust



Restoring Europe's Rivers

SOUTHERN REGION



The RESTORE project has been made possible with the support of EU LIFE+ funding





Restoring Europe's Rivers

ITALY



SPAIN + PORTUGAL



FRANCE

SLOVENIA

GREECE

(SWITZERLAND)

The RESTORE project has been made possible with the support of EU LIFE+ funding





Restoring Europe's Rivers

RR Database:

besides France and to some extent Switzerland, no established national databases



looking for feedback on implemented projects !

The RESTORE project has been made possible with the support of EU LIFE+ funding

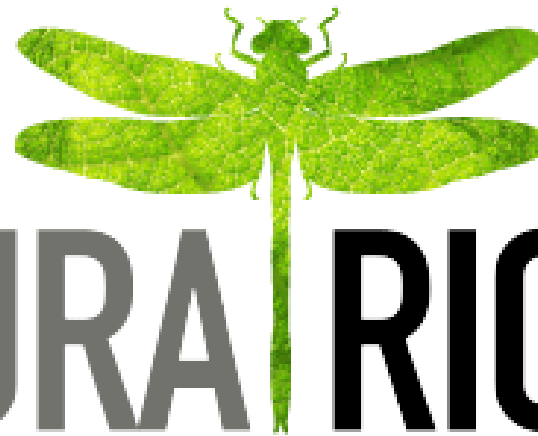




Restoring Europe's Rivers

Workshop “THE ECONOMICS OF RIVER RESTORATION, costs, benefits, evaluation methods”, within the

primer
congreso
ibérico



RESTAURAR RIOS

18 / 19 / 20 OCTUBRE 2011. LEÓN. ESPAÑA

The RESTORE project has been made possible with the support of EU LIFE+ funding



Restoring Europe's Rivers

Field trip “INCISED RIVERS AND MORPHOLOGICAL RESTORATION” Italy and Austria, 25-28 October 2011

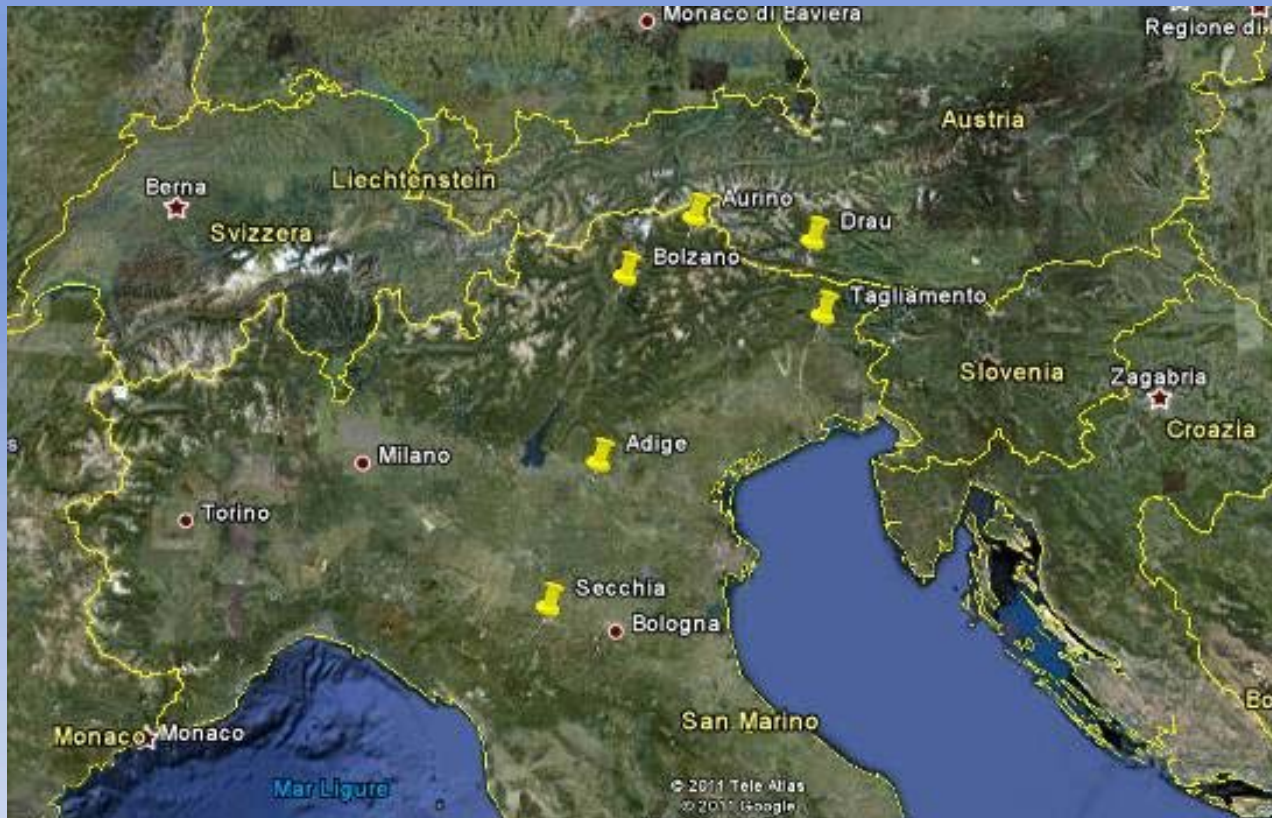


The RESTORE project has been made possible with the support of EU LIFE+ funding



Restoring Europe's Rivers

From the Secchia to the Tagliamento



The RESTORE project has been made possible with the support of EU LIFE+ funding





Restoring Europe's Rivers

1. Sediment transport and geomorphological dynamics: present knowledge and research needs

What is the present level of knowledge in different national or basin contexts? Is it sufficient to understand existing problems and present trends? And to define planning and management lines of action? Based upon the exchange of views between scientists and planners/managers, which appear to be the most important gaps to be filled? Where should funds for research and monitoring be primarily allocated?

The RESTORE project has been made possible with the support of EU LIFE+ funding



Restoring Europe's Rivers

2. A new vision for incised rivers: what level of ambition can we afford?

The issue can be addressed at different levels

- Technical: what kind of "vision" is appropriate, both in extreme cases, such as the Secchia, where the alluvial layer has been completely lost and the morphology profoundly altered, as well as, is in the most "ordinary" cases, typical of many Italian rivers (e.g. Adige or Aurino) where the degree of reversibility is theoretically higher.
- Planning: the main driver for morphological restoration to control incision will probably be the joint implementation of the Water Framework (2000/60/EC) and Floods (2007/60/EC) Directives. What can we expect by 2015, 2021, 2027? What is already ongoing in Italy? And in other Mediterranean countries?

The RESTORE project has been made possible with the support of EU LIFE+ funding





Restoring Europe's Rivers

3. Reactivating sediment sources and transport: main alternatives and experiences

One of the key elements in the restoration of incised rivers is the reactivation of sediments sources and/or sediment transport. Several solutions can be applied, i.e. removing / modifying the physical barriers that separate the river from potential sources (e.g. slope stabilization works, bank protections, etc.) or that prevent or limit the transport downstream (dams, weirs, etc.), or acting on management procedures of dams and works for water abstraction and regulation that modify the water and sediment flow regime.

What interventions of this type do you know directly? Have some of these actions already been implemented in your area? Are they expected to be carried out in the near future? What kind of technical, economic, legislative or social factors may facilitate or hinder their application?



Restoring Europe's Rivers

4. Is it appropriate –and if so, to what extent- to use extracted material to fund restoration?

In an increasing number of cases, proposals and actual interventions of morphological restoration are associated with the partial or total sale of the extracted material, in order to (co)fund the works. This issue raises concerns of both "ethical" and strategic kind: is this approach just a "Trojan horse" for new in-stream gravel extraction? A real need due to insufficient funding for river restoration? Or a common practice that could nonetheless be limited or abandoned? Is it possible to suggest a general approach or does it depend on the specific context? In the latter case, within what boundaries and under what circumstances it may be acceptable without prejudice of future improvements to the water body?



Restoring Europe's Rivers

NEXT STEPS

- Spring 2012: field trip RR in urbanised areas
- Autumn 2012: international workshop on RR in RBMPs within the 2nd Italian RR Conference
- Further events to be defined...

The RESTORE project has been made possible with the support of EU LIFE+ funding





Restoring Europe's Rivers

SOUTHERN REGION



Contacts:

Andrea GOLTARA
a.goltara@cirf.org
www.cirf.org

The RESTORE project has been made possible with the support of EU LIFE+ funding





How you can get involved

Business cards, Etc..

RESTORE@therrc.co.uk

www.restorerivers.eu

