



# Field visits to Munich and Basel area on Restoration of River Dynamics and Continuity in Heavily Modified Rivers

## The two field visits are organised by RESTORE

RESTORE is a LIFE+ project for sharing knowledge and promoting best practice on river restoration in Europe. It encourages river restoration that delivers increased ecological quality, flood risk reduction and socio-economic benefits, and contributes towards a more natural state of rivers in Europe.

### **Date and locations:**

Munich, Germany 22-23 May 2013 – organised by the UK River Restoration Centre (RRC)

Basel, Switzerland 24-25 May 2013 – organised by the Finnish Environment Institute (SYKE)

### **Theme:**

During the first part of the excursion we will visit the River Isar in Germany to see how the Isar Plan has enhanced ecological and fluvial processes, improved fish passage, whilst at the same time providing new recreation areas for residents and visitors.

During the second field visit to the River Rhine in Switzerland we will see how river processes, habitat connectivity, fish access and fish spawning opportunities have been enhanced, especially at hydropower plants.

The event is in English, and amongst our guides will be well-known river restoration experts Walter Binder and Rolf-Jürgen Gebler.

**Contact:** the Finnish Environment Institute - [maria.arola@ymparisto.fi](mailto:maria.arola@ymparisto.fi)

More information and booking forms are also available at the RRC and RESTORE websites:

<http://www.therrc.co.uk>

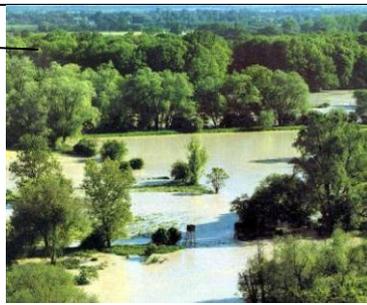
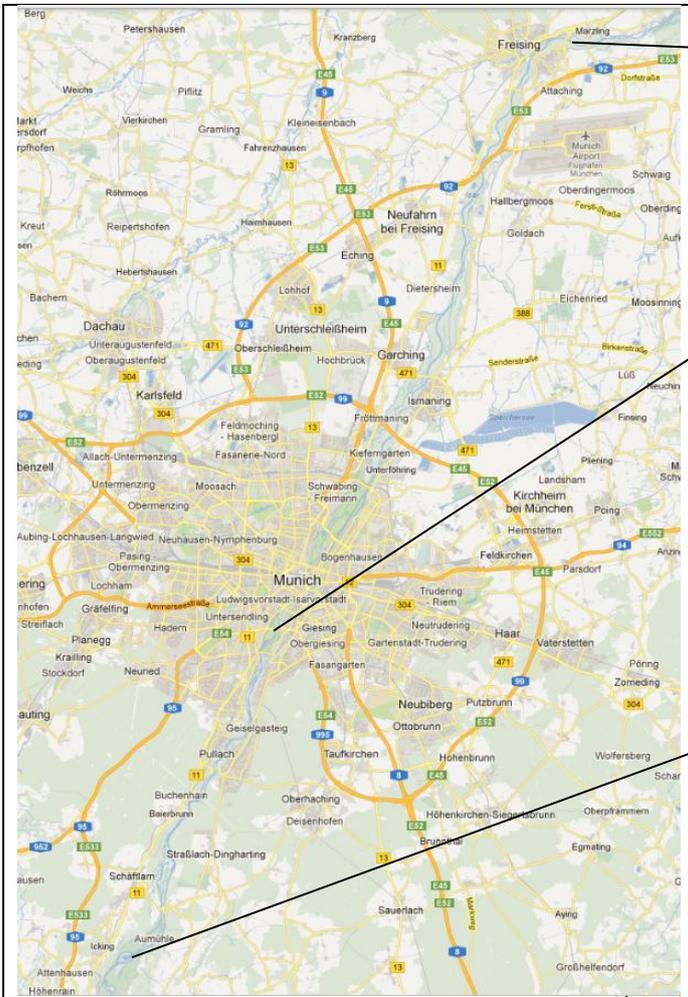
<http://www.restoreivers.eu>

**Attending the event is FREE (including coach journeys and lunch).** Participants will be expected to cover their transport costs (to Munich and back from Munich/Zurich/Basel) and overnight accommodation. Hotel options will be given after booking. For people not staying in Munich (Wednesday or Thursday) there is an option to meet at the first site of the day.

**Life+ Project Code: LIFE09 INF/UK/000032**



# Restoring Europe's Rivers



Alluvial forests along **River Isar** during a flood in 2005. The forests are important for the retention of water during floods, nature conservation and outdoor recreation. From "Case Studies: Isar, Germany" by Walter Binder



Restoration of **River Isar** in Munich (before and after). Enhanced ecological and fluvial processes, and increased recreational opportunities. <http://www.werkstatt-stadt.de/en/projects/68/>



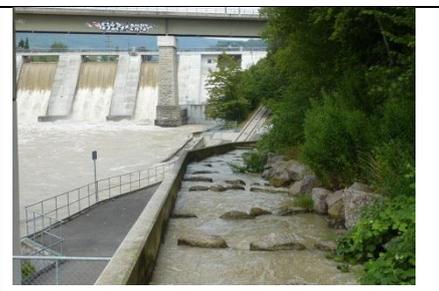
River Isar near **Icking** before and after restoration. From "Case Studies: Isar, Germany" by Walter Binder



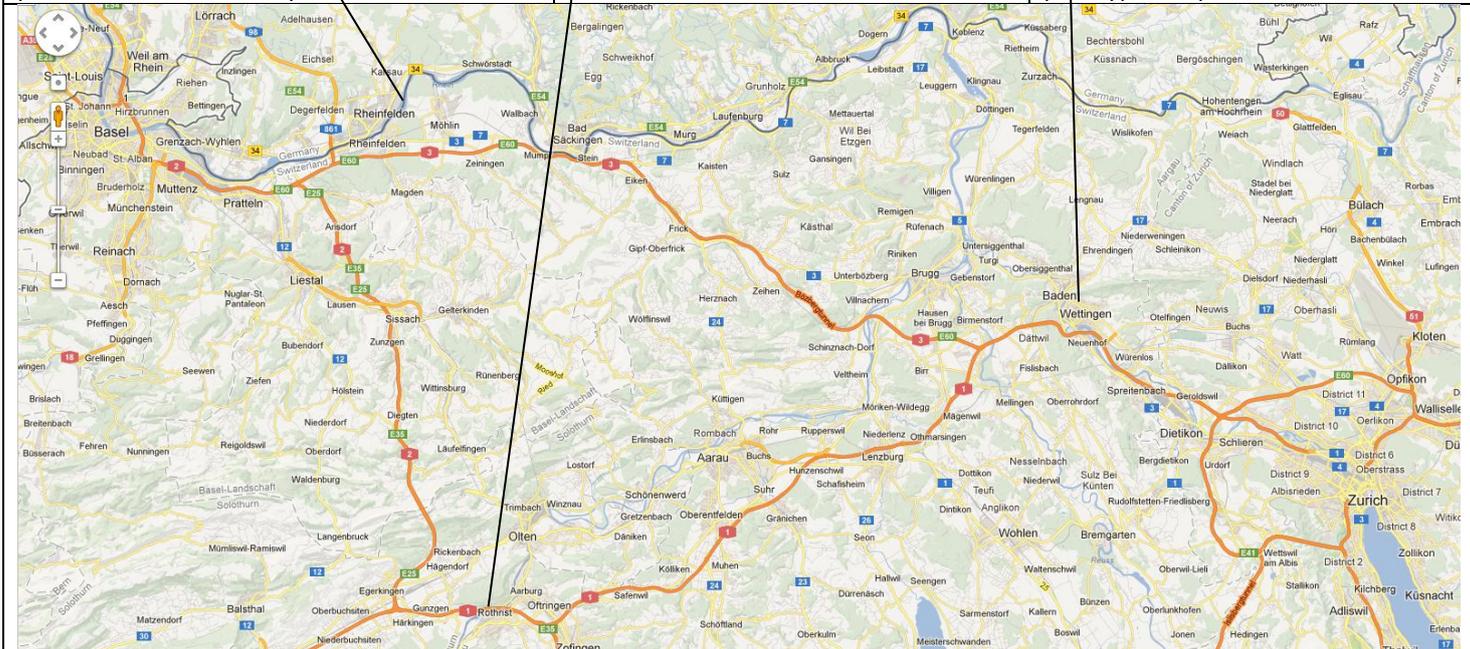
**Rheinfelden** - bypass with largest constructed reproduction habitats in Europe, pool type fish pass, vertical slot fish way.



**Ruppoldingen** at River Aare, bypass with habitats, pool type fish pass.



**Wettingen** at River Limmat, bypass channel with sections of vertical slot, pool type fish pass and habitats.



Start	End
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**DRAFT PROGRAMME**

**Day 1 - 22<sup>nd</sup> May, 09.00-17.00 (Munich, Germany)**

<b>MORNING</b>	<b>Registration (+ Health and Safety forms)</b>
	<b>Introduction</b> Presentation of river restoration projects in Bavaria <i>Hotel Holiday Inn, Hochstrasse 3, Munich</i>
	<b>Visit to the Isar Plan river restoration project in the city of Munich (travel by coach)</b> - enhanced ecological and fluvial processes, and improved fish access - increased flood control - increased recreational opportunities  Leaders: Nivedita Mahida - Munich Water Authority, and Walter Binder

**LUNCH**

<b>AFTERNOON</b>	<b>Visit to the upper River Isar at Mühlthal (travel by coach)</b> - Fish bypass channels and habitat improvements at hydropower plants  Leaders: Nivedita Mahida - Munich Water Authority, and Walter Binder
	<b>Visit to the upper River Isar at Icking (travel by coach)</b> - Fish bypass channels and habitat improvements at hydropower plants  Leaders: Nivedita Mahida and Walter Binder
	<i>Travel back to Munich (by coach)</i>
	<b>Visit and tour of Löwenbräu brewery, Munich (optional; €15.00)</b>

**Day 2 morning – 23<sup>rd</sup> of May, 08.00-12.00 (Munich, Germany)**

<b>MORNING</b>	<b>Visit to the restoration site at Hangenham near Freising (travel by coach)</b> - Restoration to achieve Water Framework Directive requirements in Moosbach (a tributary of the River Isar)  Leader: Nivedita Mahida - Munich Water Authority
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Day 2 afternoon – Alternative 1 (12.00-16.00) STAYING IN MUNICH, GERMANY		Day 2 afternoon – Alternative 2 (12.00-21.00) TRAVEL TO SWITZERLAND	
AFTERNOON	LUNCH	Travel to Rheinfelden (Baden/Basel, Switzerland) by train	
	<b>River restoration sites in Munich/Isar Plan</b> <ul style="list-style-type: none"> <li>- enhanced ecological and fluvial processes</li> <li>- improved fish access</li> <li>- increased flood control</li> <li>- increased recreational opportunities</li> </ul> <i>Leader: Munich Water Authority</i>	<b>Dinner – Hotel Storchen</b>	
	<b>Visit to the Hunting &amp; Fisheries Museum, Munich (optional; €3.50)</b>	<b>Presentations of fish pass planning in the River Rhine</b> <i>Rolf-Jürgen Gebler</i>	
END OF THE GERMAN SITE VISIT		<b>City walk over the Rhine to Switzerland (optional)</b>	
Day 3 – 24 <sup>th</sup> May (Switzerland)			
ALL DAY	<b>New bypasses and fish ways in the River Rhine</b> <p><b>Rheinfelden</b>, bypass with largest constructed reproduction habitats in Europe, pool type fish pass, vertical slot fish way</p> <p><b>Wyhlen</b>, nature- like pool pass and fish lift</p> <p><b>Ryburg-Schwörstadt</b> - bypass under construction</p> <p><b>Rupperswil</b> at River Aare, bypass with habitats, vertical slot, floodplain</p> <p><b>Albbruck-Dogern</b>: bypass and nature- like pool pass</p>		
Day 4 – 25 <sup>th</sup> May (Switzerland)			
ALL DAY (UNTIL 15.00)	<b>Bypasses with good monitoring results and demanding energy label in Switzerland</b> <p><b>Ruppoldingen</b> at River Aare, bypass with habitats, pool type fish pass</p> <p><b>Wettingen</b> at River Limmat, bypass channel with sections of vertical slot, pool type fish pass and habitats</p> <p>Other optional river restoration cases between Basel and Zurich</p>		

