



Restoring Europe's Rivers

RESTORE North Region Closing Seminar Seminar and excursions to river restoration sites in Southern Finland 14-16 August 2013 at Sibeliustalo, Lahti

Venue

Sibeliustalo <http://www.sibeliustalo.fi/en/sibelius-hall/location-and-access/> at City of Lahti, located 100 kilometres north from Helsinki. There is a good train connection between the cities, schedules and e-tickets: <http://www.vr.fi/en/>.

A joint train travel from Helsinki to Lahti will be organized on Tue evening 13 August. For detailed schedule, please contact pinja.kasvio@ymparisto.fi.

Registration

Please register by email to Pinja Kasvio, email pinja.kasvio@ymparisto.fi by 20 June 2013. You are kindly asked to provide her also with your flight schedules.

Accommodation

Preliminary hotel reservations have been made for Tue-Fri to the following hotels:

Sokos Hotel Lahti <http://www.sokoshotels.fi/en/hotels/lahti/>

Cumulus Lahti http://www.cumulus.fi/hotellit/lahti/en_GB/lahti/

Scandic Lahti

<http://www.scandichotels.com/Hotels/Countries/Finland/Lahti/Hotels/Lahti/#.UVLwb3hAU64>

The prices in each of these in a one-person room are ca. 92 euros when using the code "Vesistö" while making the reservation. SYKE hosts will stay at Hotel Cumulus. You can make a reservation in any of these hotels through direct e-mail with the code word. The e-mail addresses are below.

Sokos Hotel: sales.lahti@sokoshotels.fi (please cc to pinja.kasvio@ymparisto.fi)

Hotel Cumulus: lahti.cumulus@restel.fi (please cc to pinja.kasvio@ymparisto.fi)

Hotel Scandic: lahti@scandichotels.com (please cc to pinja.kasvio@ymparisto.fi)

Further details

SYKE hosts Jukka Jormola, Pinja Kasvio and Sini Olin will be happy to help you with any questions. Email addresses: firstname.lastname@ymparisto.fi.

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Day 1 Seminar on Wednesday 14 August

- 9.30** **Welcome**
Division Manager Markku Maunula, Finnish Environment Institute
- 9.40** **Opening words: Three years of discovering good river restoration practices in Northern Region**
Leader of the North Region in RESTORE Project Jukka Jormola, Finnish Environment Institute
- 9.50** **Land use and river restoration (theme presentations á 10 min)**
- Hydro power and river restoration**
Leading Expert Antton Keto, Finnish Environment Institute
- Agriculture and river restoration**
Leader of the North Region in RESTORE Project Jukka Jormola, Finnish Environment Institute
- Practical river restoration, Estonian case River Pirita**
Researcher Martin Kesler, Estonian Marine Institute
- Urban waters and river restoration**
Researcher Pinja Kasvio, Finnish Environment Institute
- 11.30** **Discussion on the themes above**
- 11.50** **Lunch**

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13.00 Restoration and management of high-energy rivers (á 15+5 min)

Local community in restoration projects, examples from Poland

Associate Professor Joanna Zawiejska, Pedagogical University of Cracow

How to restore dynamic fluvial rivers in mountainous areas

Associate Professor Bartłomiej Wyzga, Polish Academy of Sciences

River restoration in Norway, an example

Senior Research Scientist Karl Aanes, Norsk Institutt for Vannforskning

14.00 Coffee and tea

14.30 River restorations in a wider context (á 15+5 min)

RESTORE transferring European river restoration know-how

Project Manager Antonia Scarr, Environment Agency

Restoration of regulated rivers and lakes in Norway – results and methodology from the national prioritisation of hydropower licenses, and some best practice examples

Senior Advisor Jo Halvard Halleraker, Norwegian Directorate for Nature Management

Hydromorphological alteration in Swedish rivers and an overview of the restoration works

Senior Analyst Johan Kling, Swedish Agency for Marine and Water Management

The effects of restoration measures in forestry steams in an area with extensive land drainage, Finnish case River Iijoki

Head of Water Resources Department Timo Yrjänä, Centre for Economic Development, Transport and the Environment for North Ostrobothnia

Effectiveness of river restorations in Finland

Researcher Saija Koljonen, Finnish Environment Institute

16.00 Discussion and wrap-up of the day

Jukka Jormola, Finnish Environment Institute

18.00 Reception at the City Hall

Hosted by City of Lahti

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Day 2 Excursions around Lahti region on Thursday 15 August

9.00 **Departure from bus station, Lahti**

9.30 **Puroilanviepä Brook, Hollola**

Wetlands and basins were built in 2006 to preserve this agricultural stream. We will also get to see how the new wetland treatment that is based on electro-osmosis is performing.
Presenter Erkki Lindberg.

10.30 **Upilanoja Brook, Hollola**

We will explore a newly build chemical precipitation system build for a small agricultural ditch.
Presenter Ismo Malin.

11.15 **River Hammonjoki, Hollola**

Visit to the restored areas of the River Hammonjoki. Restoration work was completed 10 years ago. The aim was to improve the habitats for migratory fish, mainly brown trout.
Presenter Ismo Malin

12.30 **Lahdenpohja Bay Area, Hollola**

Lunch and coffee break in the field at the bird tower.

13.15 **Lahdenpohja Bay Area, Hollola**

Exploring conserved and restored NATURA2000 -Area. Object of the restorations was to improve the living conditions of fish, insects and birds by constructing wetlands, basins and also dredging and mowing the water plants at the Lahdenpohja Bay. Presenters Risto Kauhala ja Pekka Saikko.

15.00 **Return – back to the bus station at the city of Lahti**

17.00 **Lake Vesijärvi, Harbour of Lahti**

Exploring the Lake Vesijärvi and the Channel of Vääksy on board a ship. Several restoration efforts have been carried out at Lake Vesijärvi since 1970s. Restorations have been accomplished in co-operation with environmental authorities, NGOs and volunteers.

18.00 **Conference Dinner at Lake Vesijärvi, m/s Vellamo**

22 **Back to the Harbour of Lahti**

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Day 3 Excursions around Helsinki Metropolitan Area Friday 16 August

9:00 Departure from Lahti

10:00 Arrival to Mäntsälä, site 1 River Mäntsälänjoki

River Mäntsälänjoki is an old sea trout river which has been modified to the needs of agriculture and hydropower production in 1950's. A regional watercourse protection organization belonging to the Finnish Watercourse Restoration Network and called Itä-Uudenmaan ja Porvoonjoen vesien- ja ilmansuojeluyhdistys r.y. The association has been restoring the River Mäntsälänjoki since 1990's. Latest the river has been restored by voluntary work in late October 2012. Spawning habitats for sea trout were created.



11:00 Departure from River Mäntsälänjoki to River Vantaanjoki

River Vantaanjoki

River Vantaanjoki flows through the Uusimaa Region, starting from the City of Riihimäki and flowing through the cities of e.g. Kerava, Vantaa and Helsinki, and draining into the Gulf of Finland. Besides the 87 kilometres long main channel, the river has many tributaries including rivers and brooks, which are essential for its ecology.

The whole river area was famous for its salmon and sea trout populations from medieval times but through a dam in the estuaries and later pollution, the original stock became severely endangered. Fish passes were constructed and the regional authorities restored the main river channel in 1995-2002 with more than €1 M. Altogether 20 hectares of spawning habitats has been restored, and the annual number of sea migrating smolts no varies between 18 000 and 25 000. However, the result still partly relies on stockings. The aim is to return a sea trout population based on the natural reproduction of the fish population.

Besides inputs from authorities, the role of voluntary work and NGOs has been remarkable at the river and its tributaries. Co-operation between different organizations has been a success and it is still carried out as the restoration work continues.

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11:30 Arrival to Vantaa, site 2a Kaukas Fishway at River Keravanjoki

This nature-like fishway is one of the best ones in Uusimaa Region. It has been built in 2005, and is located at an old factory dam in a charming cultural surroundings. A piece of the old dam was left next to the fishway. The dam used to cut the migration route for trout. After the building of the fishway, the local trout population has been revived.

12:30 Lunch at Vantaa, Restaurant King's Salmon

14:00 Arrival to site 2b Nukarinkosket Rapids at River Vantaanjoki

There has been an old mill dam at Nukarinkosket Rapids, which has been an obstacle for migrating fish. A by-pass channel was built in the beginning of 2000's and forms now a functional migration route for sea trout in a cultural historical surroundings.

15:00 Arrival to Helsinki, site 2c Longinoja Brook at River Vantaanjoki

Longinoja brook in the city of Helsinki has been restored since 2000. The brook flows through densely populated urban area and partly along cultivated area. After the voluntary organization VIRHO begun re-introducing the trout population by stocking and restoration, the brook has become an important breeding area for the sea trout population of the Vantaanjoki River. The brook was restored by voluntary work in a workshop held May 2012 as a RESTORE event. The aim of the restoration was to increase the breeding possibilities for migrating sea trout and also to improve the area's landscape. Video of the restoration: <http://www.restoreivers.eu/Publications/tabid/2624/mod/11083/articleType/ArticleView/articleId/3358/Restoring-an-Urban-Brook-by-Voluntary-Work.aspx>



16:00 Departure to the airport

17:00 Arrival to the Helsinki-Vantaa Airport