



Preliminary Programme (21.6.2018)

Joint RETROUT and HELCOM Workshop on sea trout population status and habitat assessment methods (HELCOM FISH-M 6-2018)

DAY 1

9.00 – 9.10 **Welcome by the Klaipeda University**

9.10 – 9.20 **Presentation of the workshop**

Aim, purpose and program by the Klaipeda University

9.20 – 9.30 **Background information by HELCOM**

9.30 – 11.00 **Pragmatic use of the habitat monitoring method (developed by Peter Gustafsson)**

The basic underlying theory of the method (hydromorphology).

Presentation by Håkan Häggström, County Administrative Board in Stockholm

11.00 - 11.20 **Coffee break**

11.20 – 13.00 **Pragmatic use of the habitat monitoring method (continued)**

The basic underlying theory of the method (continued)

13.00 – 14.00 **Lunch**

14.00 – 15.00 **Pragmatic use of the trout habitat score developed by ICES WGBALANST group (Pedersen & Degerman)**

The basic underlying theory of the method, data requirements, and calculus. Using the trout habitat score in forecasting parr habitat suitability.

Presentation by Katarina Magnusson, SLU

15.00 – 15.30 **Introduction to electrofishing and a simplified THS approach**

Basics of electrofishing method, procedures applied in large rivers and small streams, procedures in different countries, how procedural differences may affect data quality (ICES WGBAST experience), and how to carry out a simplified THS assessment.

Presentation by Martin Kesler, University of Tartu

15.30 – 16.30

Improving the estimates of parr density using hierarchical Bayesian model for electrofishing data

The basic underlying theory of the method, data requirements, and calculus.

Presentation by Oula Tolvanen, LUKE

16.30 – 16.45

Coffee break

16.45 – 17.15

Pragmatic use of the habitat monitoring method

Presentation by Håkan Häggström.

17.15 – 17.30

End of day 1

Presentation of the fieldtrip on day 2

17.30 – 19.00

Dinner (at own cost)

19.00 – 20.30

Evening session

Demonstrating the digital protocol of the habitat monitoring method.

Presentation by Håkan Häggström

DAY 2

The field trip will include visits to different type rivers and different biotopes (including natural and regulated) to have practical demonstration of the biotope classification and THS approaches. Electrofishing procedure applied for small streams by Klaipėda University will be demonstrated in field. Be aware to have proper clothes and shoes.

9.00 – 10.00 Transport to Blendžiava Stream

10.00-12.30 (13.00?) Blendžiava Stream downstream section

Blendžiava is part of Minija River ichthyological reserve and one of the most productive sea trout rivers in Lithuania. Site is located in the very downstream section, there also enters small steep brook Jonupis. Practical demonstration on data collection for biotope classification and trout habitat score, interpretation of assessed parameters etc. One or two-run electrofishing exercise by Klaipėda University representatives. Lunch at the site.

13.00 – 13.30 Transport to Žvelsa stream

13.30-14.00 (14.30?) Žvelsa stream downstream section

Short demonstration of steep stony habitat at Žvelsa downstream. This is one of the steepest slopes in Lithuanian rivers. Practical demonstration on data collection for biotope classification and trout habitat score, interpretation of assessed parameters etc.

14.00 – 14.20 Transport to Smiltelė Stream

14.20 – 16.30 Smiltelė Stream

Smiltelė is highly regulated stream, with recently increasing trophic state, while having one of the densest sea trout populations in its sparse productive areas. Practical demonstration on data collection for biotope classification and trout habitat score, interpretation of assessed parameters etc. Introduction to the planned restoration activities within WP4 in the RETROUT project.

16.30 – 17.00 Return to Klaipėda

19.00 - ... Workshop dinner

DAY 3

9.00 – 9.10

Objectives of the day

By Mika Rahikainen, HELCOM

9.10 – 10.00

Synthesis about the emerging challenges based on the lectures and the field trip

1) Biotope classification method

2) Trout habitat score

3) Modeling of the parr density in divergent electrofishing protocols

4) Linking the components as a coherent approach

10.00 – 11.00

Brainstorming solutions for the identified shortcomings

11.00 - 11.20

Coffee break

11.20 – 13.00

Solutions for the identified shortcomings continues

How to solve the pragmatic challenges and to use the method in the RETROUT project?

13.00 – 14.15

Lunch

14.15 – 14.30

Presenting the outcome of the workshop

By HELCOM

14.30 – 15.00

Getting acquainted with the outcome of the workshop

15.00 – 15.15

Coffee break

15.15 – 16.15

Agreeing about the workshop outcome

16.15 – 16.30

End of the workshop

Key points from the workshop

16.30 – 16.45

Goodbye and thank you