

CURRENT QUESTIONS IN WATER MANAGEMENT

How do we assess the impact of lakeshore degradation?

Which organisms are suited to assess the impact of different stressors on coastal areas across Europe?

What are the best restoration and management options to mitigate human impact on rivers and their estuaries?

Such questions frequently arise in the daily business of river basin and water managers throughout Europe. The answers are not trivial and have been subject to the large-scale integrated project **WISER**.



WISER ADDRESSES THESE QUESTIONS

WISER means “Water bodies in Europe: Integrative Systems to assess Ecological status and Recovery.”

For three years, 25 European research institutions representing 16 countries have addressed the assessment and management of rivers, lakes, transitional and coastal waters in Europe.

In particular, **WISER** has:

- elaborated WFD-compliant assessment systems for lakes, transitional and coastal waters, which supported the European Intercalibration Exercise,
- estimated the sources and levels of uncertainty connected to the assessment methods,
- analysed restoration and rehabilitation studies and identified suitable measures to improve surface waters at the large scale,
- highlighted the role of global and climate change in aquatic ecosystem monitoring and management.

WISER FINAL CONFERENCE

The conference will summarise the project outcomes and targets both scientists and practitioners in river basin and water management.

In 16 presentations, project partners and invited keynote speakers will show new bioassessment methods and management schemes to achieve the goals of the Water Framework Directive.

Invited experts will provide insight into experiences from other regions outside Europe and address more recent – but largely neglected – topics in aquatic ecosystem evaluation, such as ecosystem functions and services.

Two poster sessions will add more specific results and provide room for discussions with **WISER** experts.



TOPICS AND HIGHLIGHTS

Day 1: Assessment, Monitoring and Uncertainty

Altogether eight sessions will address the most recent advances in lake, estuarine and marine bioindication using the WFD organism groups. The assessment systems will be pre-sented in the light of uncertainty connected to spatial, temporal and researcher-dependent sources of variability.

Day 2: Management, Restoration and Climate Change

Best practice management options targeting at different water types and stressors will be presented and discussed in the light of potential effects of climate change.

DON'T MISS THE CHANCE!

SPECIAL SESSIONS FOR WATER MANAGERS

The new software tools **WISERBUGS** and **LLR** will be demonstrated in practice.

LakeLoadResponse (LLR) is an easy-to-use tool for water management planning and decision making. This session addresses river basin and water resource managers in order to provide guidance and best practice examples for restoration and management of rivers, lakes and coastal waters.

LLR gives estimates of the amount of loading reduction needed to achieve good ecological status, the risk assessment, and the cost analysis.



WISERBUGS is a tool to estimate the uncertainty of lake assessment results and thus will help to deliver more robust and reliable evaluations of the ecological status. The session aims at designing robust and cost-effective monitoring programmes.

Using **WISERBUGS** together with prior estimates of metric sampling variance and ecological quality class boundaries facilitates the correct assignment of assessment results to the corresponding WFD quality status.

Venue

Tallink Spa & Conference Hotel, Tallinn, Estonia
<http://hotels.tallink.com/en/mainMenu/spaConferenceHotel/>



Fee

350/380 EUR (early/late registration fee) includes
3 nights in single room, 2 days of full board,
and the conference dinner.

Info and registration

<http://www.wiser.eu/meetings-and-events/final-conference/>

You have any questions or you need additional information?

Please contact: final_conference@wiser.eu

Deadlines

August 31, 2011– Early bird fee
October 15, 2011 – Abstract submission
November 15, 2011 – Final registration



The project **WISER** (Water bodies in Europe: Integrative Systems to assess Ecological status and Recovery) is funded by the European Union under the 7th Framework Programme, Theme 6 (Environment including Climate Change), Contract No. 226273.



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The way ahead in surface water assessment and management



Final conference

25 - 26 January 2012

Tallinn, Estonia