

European Union Water Initiative Plus for the Eastern Partnership

WORKSHOP ON DATA PROCESSING AND ANALYSIS

Ukraine, 21-22 March 2019



Venue: Hotel Lybid, 1, Peremohy square, Kyiv

Regional Workshop on data processing and analysis as pre-requisite for the definition of reference conditions and class boundary setting in ecological classification methods

The objectives of the meeting are as follows:

- To understand and master the steps from data collection to ESCS development;
- To be able to calculate selected biological metrics;
- To be able to carry out basic statistical analyses;
- To evaluate existing biological data from EPIRB and EUWI+ surveys;
- To identify open issues and needs for further data calculations;
- If necessary: to adapt and tailor the next survey in EUWI+ for improving the data basis for the development of WFD compliant ESCS;

Participants from Belarus, Ukraine and Moldova will be invited. The workshop is aimed at hydro-biologists responsible for biological monitoring, data analyses and the assessment of the ecological status of surface waters.

Notebooks for each participant or national groups of participants are needed to enable the interactive working sessions!

TENTATIVE AGENDA

DAY 1 (21 MARCH 2019)

| | |
|-------------|--|
| 12:00 | <i>Registration and welcome coffee</i> |
| 13:00–13:15 | Opening and setting the stage <ul style="list-style-type: none">• Opening and welcome remarks• Targets of this Workshop• Agenda and Workshop design |
| 13:15–14:00 | Presentation on data processing and analysis I <ul style="list-style-type: none">• General approach |

| | |
|-------------|--|
| | <ul style="list-style-type: none"> • Overview of available EPIRB and EUWI+ data • Biological metrics • Statistical methods |
| 14:00–15:30 | Individual or group work on data processing <ul style="list-style-type: none"> • Data processing with national biological data (EPIRB, EUWI+) • Descriptive statistics and metric calculation |
| 15:30-16:00 | <i>Lunch</i> |
| 16:00–18:00 | Individual or group work on data processing (continued) |
| 18:00 | Close of day 1 |

DAY 2 (22 MARCH 2019)

| | |
|-------------|---|
| 9:00–10:00 | Presentation on data processing and analysis II <ul style="list-style-type: none"> • Pressure data quantification • Ordinal data <i>versus</i> multivariate statistics • Pressure – impact relationship: significance and precision |
| 10:00–11:30 | Individual or group work on data processing <ul style="list-style-type: none"> • Data processing with national pressure data • Descriptive statistics, correlation and regression models |
| 11:30-11:45 | <i>Coffee break</i> |
| 11:45–13:00 | Individual or group work on data processing (continued) |
| 13:00–13:15 | Closing of the workshop <ul style="list-style-type: none"> • Results • Lessons learned • Open issues and next steps |
| 13:15 | <i>Lunch</i> |