

**Living Neretva-Towards EU standards in the Neretva
river basin (BiH)**

26-27 May 2008

**Environmental Flow Working
Group (WFD-WG1):**

WORKSHOP 2:

AGENDA OF WORKSHOP 2

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WORKSHOP 2 PROGRAMME

Day 1: 26th of May 2008

PART I: Data collected for Tihaljina river

- Selected section of the river Tihaljina for EF assessment (LN, E)
- Presentation of hydrological data (H)
- Presentation of biological data (B, E)
- Presentation of physico-chemical data (C)

WORKSHOP PROGRAMME – cont.

Day 1

PART II: Draft report: EF assessment for Tihaljina River

- Presentation of Table of context of draft report (E)
- Discussion on Table of context (all)
- Discussion and review for separate parts of draft report:
 - Introduction (all)
 - Study area (all)
 - Methodology (all)
 - Results of EF assessment
 - EF assessment According to GEP methodology (H)
 - Identification of instream ecological values (all)
 - Define critical parameters for ecological value of the river (all)
 - Conflicts on EF assessment (all)
 - Comparison of EF values evaluated with GEP method according to needs for river ecology (E)
 - Drafting sub-laws (H)

WORKSHOP PROGRAMME – cont.

Day 1

PART II: EF assessment for River Trebizat – cont.

- Conclusions
 - Gaps, advantages and disadvantages in EF assessment for Trebizat river – evaluation of GEP method (H, LN, E)
 - Selection of additional criteria for EF assessment (LN, E)
 - Basic strategy for EF management and its incorporation in integrated river basin management plan (all)
 - Monitoring of river ecosystem according to EF (all)
 - Monitoring of EF (all)
 - Recommendations for future work (all)
- References (all)
- Appendix – map (C, H)
- Recommendations for final report (all)

Day 2: Fieldtrip

THE PROJECT OBJECTIVES:

- **Environmental Flow Assessment: GEP river section in Tihaljina river**
- **Drafting relevant sub-laws on EF**

CONSLUSIONS OF WORKSHOP 1

1. The river section for **Environmental Flow (EF) assessment** is defined from the source of Tihaljina (gauging station Peč Mlini uzvodno / nizvodno) to gauging station Grabovo vrelo (Mlade); that means that EF will be assessed for Tihaljina river and for the part of Mlade river.

EF will be evaluated for next gauging stations:

- vs Peč Mlini uzvodno (Tihaljina)
- vs Peč Mlini nizvodno (Tihaljina)
- vs Tihaljina (Tihaljina)
- vs Klobuk – Kavasbašin most (Mlade)
- vs Grabovo vrelo (Mlade)

For all gauging stations (1-5) EF will be evaluated according to existing data for the period 1975-1987 (for this period we have data for all gauging stations).

CONSLUSIONS OF WORKSHOP 1 - cont.

2. Hydrologist will calculate and show on the profiles for selected gauging stations (for which she will get data) water depth and water velocities for the next values:

- mean flow, mean minimum flow, minimum flow
- defined flow, which is the basis for EF assessment (f.e. this is monthly small water of 95% and 80 % probability - needed for GEP method) – if possible
- ecologically acceptable flow (calculated according to GEP method) – if possible - (all for the periods of exisiting data)
- Determine the flow at critical values of water velocity and water depth

3. Maps

4. Additional Sampling: Physico-chemical and biological parameters (phytobenthos, macrophytes) at 5 sampling sites

5. Results, Discussion, Draft report

WORKING PACKAGES: 11

WP1: Project management

activities, communication, progress, production of deliverables and reporting

2 workshops

A monthly reports of BiH experts



WP2: Acquire a shared knowledge on the state of the art on EF

Report on Environmental Flow,
GEP method,
BiH legislation



WP3: Pilot water body

Why, The location and the length of river section
Information about the proposed project of water use
Collection of all information about Trebizat river



WORKING PACKAGES: 11- cont.

WP4: Objectives for the pilot water body

Define the process for EF evaluation (E)

Define important characteristics of flow regime (H)

Define the instream management objective (H,B,C,E)

Identification of instream ecological values (B,C,E)

Define critical parameters for ecological value of the river (B,C,E)

Define hydro-morphological, biological, physico-chemical objectives, which should be achieved with EF evaluation (f.e. minimum water depth, minimum velocity, optimal temperature, oxygen concentration ...) (C,H,B,E)



WP5: Selection of additional data required and selection of sampling points



WP6: Fieldwork



WP7: Data analyses



WORKING PACKAGES: 11- cont.

WP8: Drafting sub-laws on environmental flow ○

WP9: Draft report
4th of June 2008

WP10: Final report
20th of June 2008

WP11: Recommendations for future work will include following proposals (H,C,B,E):

- Gaps, advantages and disadvantages in EF assessment for Trebizat river
- Basic strategy for EF management and its incorporation in integrated river basin management plan
- Monitoring of river ecosystem according to EF
- Monitoring of prescribed flow below the dam