

Objectives of the training course

Objectives of the sub regional training course were:

- To review the guidelines for the river monitoring
- To train national trainers on the matter
- To review state-of-the-art river monitoring in Bosnia and Herzegovina, Croatia, Serbia and Montenegro and Slovenia
- To provide experts with a methodology for the quantification of pollutant inputs from rivers into the Mediterranean sea.

Introduction

The training course was held at the premises of PAP/RAC Kraj sv. Ivana 23, from 2-3 June 2004.

Attendance and languages used

21 national experts from Bosnia and Herzegovina, Croatia, Slovenia and Serbia and Montenegro attended the training course, as well as one regional lecturer and the GEF Project Manager, who moderated the training course and presented the Guidelines on river pollution monitoring. The list of participants is attached as Annex 1.

Participants made their presentations using their mother tongue, while the international consultant gave his presentation in English. In order to overcome the language barrier, the participants were provided, during the course with copies of the expert's power-point presentations translated into the Croatian language.

Agenda item 1. Opening of the training course

1. Mr. Ante Baric, the GEF Project Manager opened the training course and welcomed the participants and expressed his wishes for the success of the course. He thanked the Croatian Ministry for Environment, Physical Planning and Building, particularly Ms. Mastrovic for the organization of the course, and to Mr. Trumbic, PAP/RAC Director, for hosting the course and providing the logistics for the organization of the course. In addition, he briefly described the current GEF Project, within which the training course was organized.
2. Ms. Margita Mastrovic, the GEF Project National Coordinator welcomed the participants. She expressed her wishes for the success of the courses and pointed out the importance of the appropriate river pollution monitoring in an overall effort for the sustainable development of coastal zones. Finally, she thanked GEF and MED POL for securing funds and organizing the course.
3. Mr. Ivica Trumbic, PAP/RAC Director, welcomed the participants and expressed his wishes for the success of the course. He briefed the participants about the current activities of PAP/RAC, which are focused on the Integrated Coastal Area Management (ICAM). Although PAP/RAC is not involved in the monitoring of rivers pollution programme, this issue is related to ICAM, PAP/RAC is interested to follow the development of this activity.
4. Mr. Ante Baric asked the participants to introduce themselves, which was done in a round table presentation.

Agenda item 2. Agenda of the training course

5. Mr. Ante Baric introduced the provisional Agenda of the training course, which was submitted to the participants in advance of the training course. Ms. Mastrovic advised the participants that the Public Enterprise "Hrvatske vode" together with the Agency EKO KASTELA BAY have offered the organization of a half-day visit to the Agency and construction sites of two key objects of the Eco Kastela bay project, and to amend the Agenda accordingly. After a brief discussion the amended Agenda (attached as Annex 2) was adopted.

Agenda item 3. Aims of the training course

6. Mr. Ante Baric explained the aims of the training course, as listed above.

Agenda item 4. Overview of rivers in the Mediterranean

7. Mr. Wolfgang Ludwig, CEFREM, gave an overview of the Mediterranean rivers, their characteristics and their inputs in to the Mediterranean Sea. He particularly pointed out problems of the lack of data from the south and east of the Mediterranean, the dispersion of data between different institutions, policies in many Mediterranean countries to keep data on rivers classified, hiding the data on river pollution, and the lack of political will for the establishment of a relevant data bank on rivers. A common Mediterranean goal should be for all data on rivers to be made available.

Agenda item 5. Presentation of the Guidelines for the monitoring of rivers

8. Mr. Ante Baric introduced the Guidelines for river monitoring, including an estimation of inputs into the Mediterranean Sea, which was prepared in the framework of the GEF project. Its aim is the harmonization of the methodology of river monitoring between the Mediterranean Countries. The document comprises elements of the state-of-the-art of river monitoring and the overview of the existing methodologies for the quantification of river inputs of nutrients and pollutants into the sea.
9. The discussion which followed the presentation was focused on the lack of data on the river pollution monitoring in some of the participating countries, particularly for the period of the recent war and the post-war period. It was pointed out the need of establishing better cooperation between countries concerning river monitoring programmes, particularly of boundary and transboundary rivers.

Agenda item 6. Estimation of inputs of materials from rivers into the Mediterranean Sea

10. Mr Wolfgang Ludwig, CEFREM, introduced the current situation concerning the estimation of river inputs from the scientific and technical point of view highlighting the positive and negative aspects of each method.

Agenda item 7. Case study on estimation of inputs from rivers into the Mediterranean Sea

11. Mr. Wolfgang presented the French experience in the quantification of the inputs into the Sea of major French rivers, including information on the methodologies, implementation, data base and the reporting system.

Agenda item 8. Presentation of national activities on river pollution monitoring

12. Mr. Mirko Sarac, Bosnia and Herzegovina, presented the paper on the past and current experience on the river pollution monitoring in Bosnia and Herzegovina
13. Mr. Dusan Trninic , Croatia, gave the presentation on meteorological and hidrologic characteristics of the Adriatic rivers
14. Mr. Neven Bujas, Croatia, introduced the river monitoring program in the Republic of Croatia
15. Mrs. Dagmar Surmanovic, Croatia, presented the Biomonitoring program in Republic of Croatia
16. Ms. Dusanka Cuzela-Bilac, Croatia, presented results of the river monitoring program in Primorsko-goranska county, and in Licko-Senjska county.
17. Mrs. Sonja Dikovic, Croatia, presented results of river monitoring program in the county of Istra.
18. Mr. Milijan Sisko and Mr. Janez Forte, Slovenina presented the Slovenian river monitoring programme and results of the monitoring.
19. Mr. Pavle Djuraskovic , Serbia and Montenegro, presented information on ecological problems in the coastal area of the Montenegro

Agenda item 9. Round Table

20. Mr. Ante Baric, moderated the round table discussion, which brought to the surface the following issues:
 - Development of common standards and norms for river pollution monitoring in the area;
 - Exchange of information and experts;
 - Improvement of existing and establishment of new bilateral and multilateral cooperation related to pollution monitoring of boundary and transboundary rivers;
 - Development of regional (Mediterranean) detailed methodology for river pollution monitoring;
 - Needs for the organization, at regional and sub-regional levels, workshops, including (on-the-job training), for technicians on sampling, storage of samples, and specific analytical methods and techniques used for river pollution monitoring.

Agenda item 10. Closure of the training course

21. Mr. Ante Baric, after thanking the participants for their active participation at the training course, which contributed to the success of the course, closed the training course at 12.30 p.m.
22. The half-day visit was organized between 12.30 p.m. and 5.00 p.m. Firstly, the participants visited the EKO Kastela Bay Agency, where they were briefed by the Director of the Agency and by the Director of Regional Office of the Public Enterprise "Hrvatske Vode" on the EKO Kastela Bay Project. The project deals with the construction of two sub-systems for urban wastewater collection, treatment and disposal in the wider area of the town of Split. In addition, it deals with the construction of a freshwater supply system for the area of the towns of Kastela and Trogir. The project is financed by local communities, the Croatian Government and loans borrowed from the World Bank and the European Bank for Reconstruction and Development. After the visit to the Agency, the participants visited construction sites

of the wastewater treatment plant of the Split/Solin sub-system, and the main dumping station of the freshwater supply system.

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Dnevi Red

3. lipnja 2004

Sekcija I

- 09:00-09:30 Otvaranje i svrha tecaja
09:30-10:30 Pregled Mediteranskih rijeka (na Engleskom jeziku)
10:30-11:00 Stanka

Sekcija II

- 11:00-12:30 Predstavljanje Smjernica za procenje zagadjivanja rijeka za podrucje Sredozemlja
12:30-14:00 Stanka za rucak

Sekcija III

- 14:00-15:30 Procjena rijecnih unosa u Sredozemno more (na Engleskom jeziku)
15:30-16:00 Stanka
16:00-17:30 Procjena rijecnih unosa u Sredozemno more - Primjer Lionskog zaljeva (na Engleskom jeziku)

4. lipnja 2004

Sekcija IV

- 9:00- 10:30 Pregled iskustva u procenju kvaliteta rijeka u zemljama ucesnicama tecaja (prezentacije ucesnika tecaja)
10:30-11:00 Stanka

Sekcija V

- 11:00-11:30 Pregled iskustva u procenju kvaliteta rijeka u zemljama ucesnicama tecaja (prezentacije ucesnika tecaja)

Sekcija VI

- 11:30-12:30 Okrugli stol
12:30-13:00 Zakljucci
13:00 Zavrsetak tecaja
14.00-17.00 Posjet Agenciji EKO KASTELANSKI ZALJEV