

Information on the Workshop “Environmentally Sustainable Management and Maintenance of the Inland Waterways”

Introduction:

In 2007, the International Commission for the Protection of the Danube River (ICPDR) and International Sava River Basin Commission (ISRBC) initiated an informal cooperation with the US Army Corps of Engineers (USACE).

As a result of the cooperation, the Workshop is organized by the ISRBC with support of the USACE, and is hosted by the Faculty of Civil Engineering, University of Belgrade.

Date:

Tuesday, 21 October 2008

Location:

Faculty of Civil Engineering, University of Belgrade

Bulevar kralja Aleksandra 73

Belgrade, Serbia

www.grf.bg.ac.yu

General Topics:

- Management of Inland Waterways
- Fairway Design
- Dredging Research

Background and Objectives:

Background:

The inland waterways in the Sava River Basin are being redeveloped after many years of neglect. It is necessary to harmonize requirements of the environmental protection and construction and maintenance of the inland waterways.

Objectives:

- To introduce regional stakeholders (primarily institutions engaged in waterways management, maintenance and construction) with the experience and best practices of the USACE.
- To present practice of regional experts in development and maintenance of inland waterways.
- To present the first ever “Joint Statement on Guiding Principles for the Development of Inland Navigation and Environmental Protection in the Danube River Basin”, that was created in a year-long interdisciplinary process led by the ICPDR, the Danube Commission on Navigation and the ISRBC.
- To present the newly prepared “Feasibility Study and Project Documentation for the Rehabilitation and Development of Transport and Navigation on the Sava River Waterway”.
- To initiate a direct cooperation between US and regional experts to identify possible approaches for sustainable development of the inland waterways in the Sava River Basin.

Workshop Program

		<i>Aleksandar Prodanović</i> , Sava Commission <i>Steven Grant</i> , USACE <i>Đorđe Vuksanović</i> , Faculty of Civil Eng., University of Belgrade <i>Dejan Komatina</i> , Sava Commission
09:30-10:00	Welcome - Introduction	

Management of Inland Waterways

10:00-10:30	Management and maintenance of the inland waterways in the United States	<i>Dennis W. Webb</i> , USACE
10:30-11:00	Innovative river management – combining ecology, navigation and river engineering	<i>Michael Fastenbauer</i> , via-donau
11:00-11:30	Joint Statement on Guiding Principles for the Development of Inland Navigation and Environmental Protection in the Danube River Basin	<i>Alexander Zinke</i> , ICPDR
11:30-12:00	Rehabilitation and Development of Transport and Navigation on the Sava River Waterway	<i>Željko Milković</i> , Sava Commission

12:00-12:30 Break / Press-conference

Fairway Design

12:30-13:00	Usage of the navigation simulators in the navigation channel design on inland waterways	<i>Dennis W. Webb</i> , USACE
13:00-13:30	Designing structures that reduce or eliminate the maintenance requirements (bedway weirs, etc.)	<i>Timothy L. Welp</i> , USACE
13:30-14:00	River training design in the region - Case study of the Danube river at the Apatin section	<i>Ljubiša Mihajlović</i> , „Plovput“ - Directorate for Maintenance and Development of Inland Waterways of the Rep. of Serbia <i>Marina Babić-Mladenović</i> , Institute for Development of Water Resources „Jaroslav Černi“, Belgrade

14:00-15:00 Lunch

Dredging Research

15:00-15:30	Dredging operations and environmental requirements on inland waterways	<i>Douglas G. Clarke, USACE</i>
15:30-16:00	Methods for assessment, dredging, placement and control of sediments from inland navigation projects	<i>Douglas G. Clarke, USACE</i>
16:00-16:30	Innovative equipment and processes in dredging on the inland waterways	<i>Timothy L. Welp, USACE</i>
16:30-16:45	Conclusions and closing	<i>Dejan Komatina, Sava Commission</i>
