Joint Statement Meeting

The PLATINA Manual on Good Practices in Sustainable Waterway Planning

ICPDR
Philip Weller
Vienna, April 6, 2011
Danube River Protection Convention

29 June 1994
Sofia - Bulgaria

• Protection of water / ecological resources
• Sustainable use of water in Danube River Basin
• Reduce inputs of nutrients and hazardous substances

ICPDR coordinates implementation of EU Water Framework Directive
Reflects

- Water status of the DRB waters
- Significant Water Management Issues

Includes

- Joint Programme of Measures
- Evaluation on measure implementation

Enables

- Conclusions on investment & funding
- Potential link to Danube Strategy
Growing Need to Balance out Interests

- socio-cultural needs
- economic needs
- environmental needs
Joint Statement on Navigation

Development of Inland Navigation and Environmental Protection in the Danube River Basin

Joint Statement on Guiding Principles

Inland navigation can contribute to freight transport in a more environmentally sustainable, particularly when it substitutes for road transport. It can, however, also have significant influence on water ecosystems, requiring the guidance of the EU Water Framework Directive, which sets for the “good ecological status” of all waters by 2021. Recognizing this potential conflict, a number of new master plans along the Danube and the Sava rivers, the International Commission for the Protection of the Danube River (ICPDR), the Danube Navigation Commission, and the International Sava River Basin Commission to conduct in 2009 an extensive cross-sectional decision process. As a result of the joint interdisciplinary technical, a “Joint Statement on Guiding Principles on the Development of Inland Navigation and Environmental Protection in the Danube River Basin” was agreed. The Final document was adopted in December 2009 and January 2010 by the ICPDR, the Danube Commission and by the International Sava River Basin Commission. The “Joint Statement” is a guiding document for the integration of existing waterways and the development of future navigation infrastructure. It is intended as an action plan that leads to the integration of existing waterway development.
JS: Key Principles

• Integrated planning process
• Minimize impacts of engineering
• Apply EIAs with public input
• Define goals for Inland Waterway Transport and ecological integrity
• Use Best Practice examples
## EU Platina Project

<table>
<thead>
<tr>
<th>Deliverable No.</th>
<th>Task</th>
<th>Description</th>
<th>Implementation</th>
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<tbody>
<tr>
<td>D 5.1</td>
<td>5.3.1</td>
<td>Integrative study on Danube's hydro-morphological alterations</td>
<td>BOKU, ICPDR</td>
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<td>D 5.8</td>
<td>5.3.2</td>
<td>Good Practice Manual on Sustainable Waterway Planning</td>
<td>ICPDR, VIA, BOKU, INE</td>
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<td>D 5.10</td>
<td>5.3.3</td>
<td>Content for training and dissemination workshops on IWT planning</td>
<td>ICPDR, VIA</td>
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<td>D 5.12</td>
<td>5.3.3</td>
<td>Result of 3-4 training workshops</td>
<td>ICPDR, VIA, INE</td>
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**Best Practice Manual is finalised**
Platina Manual: Objectives

- Illustrates Joint Statement with principles & criteria
- New legal framework conditions for river management
- New approaches in integrated planning
- General practical guidance for integrated planning
- Examples for ecology-oriented waterway & river bed engineering
Content

Part A  Introduction & Background
Part B  Model for an Integrated Planning Process
Part C  Frameworks for Practical Application
Part B: Main Guidance

5 Planning Stages...

B.1 Define the scope of the waterway infrastructure project
B.2 Organise the planning process
B.3 Execute the integrated planning
B.4 Monitor the project
B.5 Implement the project
Part B: Execute Planning

ROAD MAP FOR INTEGRATED PLANNING

**B.1** Define the scope of the waterway infrastructure project

**B.2** Organise the planning process

**B.3** Execute the integrated planning

**B.4** Monitor the project

**B.5** Implement the project

**B.4.1** Define the monitoring programme

**B.4.2** Contract and execute the monitoring (before, during and after execution of works)

**B.5.1** Contract the construction company

**B.5.2** Execute and refine the project works

**Step 1:** Define joint planning objectives and principles

**Step 2:** Carry out the detailed planning of measures

**Step 3:** Conclude the integrated planning process (communicate and adopt results)

**Step 4:** Execute the EIA process and apply for environmental permits

**B.2.6** Secure communication with the concerned and wider public
Part C: Frameworks for Practical Application

C.1 Basics on river ecology and legal framework

C.2 References for integrated planning

C.3 Good practice examples
Showcase Studies

Down-sized groynes

Re-connected side-arms

Restored river banks
Groyne reconstruction
Witzelsdorf, Austria

River bank restoration and removal of the existing groyne field

By-pass route for young fish and for reducing sedimentation in the groyne field

Smaller scour at the groyne head

New downstream-facing groynes lead to higher dynamics along the river bank

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- Removal of old groynes and river bank restoration
- Construction of new groynes
Conclusions

- Major IWT infrastructure projects under development
- Environmental legislation in place has to be respected
- Balancing IWT & environmental objectives is key
- PLATINA Manual is useful, applied tool
Thank you!

Further information: www.icpdr.org
From Black Forest to Black Sea