Interdisciplinary dialogue on IWT infrastructure preparation in the Danube River Basin

icpdr iksd
International Commission for the Protection of the Danube River
Internationale Kommission zum Schutz der Donau

Joint Statement Meeting 29-30 Jan. 2009, Budapest

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NAIADES:

EU Action Programme to promote inland waterway transport in Europe (2006-2013)

Platina: a coordination action (8.35 M€) providing targeted NAIADES actions until 2012 within FP7 for Research and Technology Developmt.

The Platina consortium is formed by **22 institutions** from 9 European countries, incl. via donau (Austria - coordinator), Voies Navigables de France, Bundesverband der Deutschen Binnenschiffahrt, Promotie Binnenvaart Vlaanderen (BE) and the Rijkswaterstaat Centre for Transport and Navigation (NL).

5 work packages addressing the policy areas:

Markets, Fleet, Jobs & Skills, Image and Infrastructure.

SWP5.3 Support interdisciplinary dialogue on environmentally sustainable waterway development

Lead: ICPDR

Deliverable no.	Task	Description	Implementation	
			Partner	Due Month
D5.1	5.3.1	Integrative **study** on Danube's hydro-morphological alterations	BOKU, ICPDR	Aug 2009
D5.8	5.3.2	Best practice **manual** on sustainable waterway planning	ICPDR, VIA, BOKU, INE	Dec 2009
D 5.10	5.3.3	Content for training and dissemina-tion workshops on IWT planning	ICPDR, VIA	May 2011
D 5.12	5.3.3	Result of 3-4 training **workshops**	ICPDR, VIA, INE	October 2011

Concepts of SWP 5.3

- **Objective** of SWP 5.3 is to ensure the proper integration of environmental aspects in the development and maintenance of IWT infrastructure
- The BOKU study will analyse the effects of navigation on the Danube hydro-morphology (considering other pressures) at catchment, reach and local scales.
- It will produce recommendations for future IWT projects
- The Manual and the training workshops will follow up on the *Joint Statement* and assess best practise examples for sustainable waterway planning

Explain *key principles* of the Joint Statement

- **Integrated planning process from the beginning** (environment, water management and transport; via interdiscipl. teams -> *joint planning objectives*)
- **Minimize the impacts** of engineering interventions, use non-structural measures
- Apply EIAs with public input.
- Respect the WFD's **river basin management plans** 2009 (protect / restore ecology and reduce negative impacts)
- Define goals of IWT **and** river/floodplain ecological integrity
- Use **best practise** to achieve the required objective.

Best practise examples for sustainable waterway planning

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platina

Steps
Assessment of the status quo in IWT planning
Identification of examples of best practise planning
Identification of the concrete needs for better planning
Drafting of the Manual

Spring 09: Discussion of the draft Manual at 2 stakeholder workshops and interdisciplinary dialogue on concrete examples

Autumn 2009: Finalisation and dissemination of the Manual
2011: Update of the Manual: experience with application

Draft contents of the Manual

- Basics on river ecology and on ecological river engineering
- Results of the process developing the *Joint Statement*
- Practical steps to approach and achieve integrated planning
- Organisational needs – framework conditions
- Practical examples – experiences gained in IWT projects

Best practice examples

EU-WFD - CIS Guidance on Hydro-morphology 2006: Good practise in managing ecological impacts …– Case Studies.
Rhine (CCR/ICPR): Introduction of new best practice measures to improve the water body structure (side-arms, banks, fairway structures, fish passages etc.).
German guidance docs. for coordinated EIA processes in IWT.
PIANC guidelines (2003-2008: e.g. *Working with Nature*)
USA (US ACE): Design of new structures to reduce or eliminate dredging maintenance requirements. Innovative dredging equipment and processes.
Etc.

IWT Projects at stake

(local cases of workshops)

ISPA 1 Improvement of section Calarasi – Braila (RO) and

ISPA 2 Improvement of section Iron Gate – Silistra (RO/BG)

Discussion on how to improve current planning, EIA

character and objectives of technical design

Impact on sturgeon (migration and reproduction)

Next:

Hungarian Danube IWT project

Sava: Rehabilitation and development of intl. waterway

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Thank you for your attention

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