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## ***Task 5.3.2: Contribution to a Manual on Good Practices in Sustainable Waterway Planning***

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# Manual objectives

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Illustrate the Joint Statement with its principles & criteria

Inform about river ecology and waterway management

Present new legal framework conditions for river management

Present new approaches in integrated planning

Provide a general guidance for integrated planning

Examples ecology-oriented waterway and river bed engineering



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# Preparation of the Manual

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## 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 the Manual in 2009

**Commenting:** 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.

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# Draft structure of the Manual

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- Basics on river ecology and legal requirements
- The *Joint Statement* and similar planning concepts
- Practical steps to approach and achieve integrated planning
- Organisational needs – framework conditions
- Practical examples – experiences gained in IWT projects



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# Good practice examples



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**EU-WFD - CIS Guidance on Hydro-morphology** 2006: *Good practise in managing ecological impacts ...– Case Studies.*

New guidances on estuaries and soon on rivers.

**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. Ecological re-orientation of federal waterway management.*

**PIANC guidelines** (2003-2008: e.g. *Working with Nature*)

**USA** (US ACE): New structures to reduce or eliminate dredging maintenance requirements. Innovative dredging equipment and processes.  
etc.

# New inputs to IWT plans from environmental side



WWF Danube waterway study (2002)

JS – NGO list of important Danube sites (2007)

ICPDR, BOKU, IAD 2008:  
*Visionary reference conditions for the Lower Danube*  
(ISPA II project)

Table 1: Important Bird Areas potentially affected by the TINA transport network in EU accession countries. (compiled from BirdLife International 2001)

TINA Corridor *	Country	IBA Important Bird Area (English Name)	IBA Code	Inner Water -way **	Outer Water -way **	Compare WWF Waterway Transport study chapter no.
IV	Czech Republic	Confluence of Morava and Dyje rivers	12	x	x	A.3.4.1.
VI		Poodri	14	(x)	(x)	A.3.4.1.
VII / IV	Hungary	Moson Plain	1	(x)	(x)	A.3.5.
VII / IV		Danube between Gönyü and Szob	16	x	x	A.3.6.
VII / IV		Danube bend	17	x	x	A.3.6.
VII / V		Gemenc	10	x	x	A.3.7.
VII / V		Béda-Karapanca	9	x	x	A.3.7.
VII	Bulgaria	Orsoya fish ponds	6		x	
VII		Ibisha island	7		x	
VII		Island near Gomi Tzibar	8	x	x	
VII		Belene island complex	17	x	x	A.3.9.
VII		Mechka fish ponds	24		x	
VII		Stenata	31		x	
VII		Pozharevo island	32		x	
VII		Srebarna lake	33		x	A.1.3.
VII	Romania	Iron Gate reservoir	32	x	x	
VII		Mehedinti fish ponds - Gruia	34	x	x	
VII		Ciocanesti fish farm	39		x	
VII		Little Braila island	43	x	x	
VII		Parches-Somova wetland	2	x	x	
VII		Danube delta	1	x	x	A.1.3., A.2.1.1.2.4.
IV	Romania	Lake Tasaul	6	x	x	

\* TINA Corridors: IV (Berlin/Nürnberg - Praha - Budapest - Constanta/Thessaloniki/Istanbul)  
V (Venice - Trieste/Koper - Ljubljana - Budapest - Ushgorod - Lvov - Kiev)  
VI (Gdansk - Warsaw - Zilina)  
VII (Danube)

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# Proposed Manual Elements

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Summary of legal requirements

Concise information on important planning guidances

A general list of key steps securing successful planning  
(from IWT policy planning over expert and stakeholder  
involvement to post-project monitoring)

A concrete proposal of a Road Map

Illustrating examples of measures in- and outside the fairway

Useful links



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graph TD
    A[Project formulation] --> B[Notification]

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## Nature Impact Assessment (BHD)

## WFD assessment (RBMP)



## Best Practice – Good Practice



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# Preparing the practical planning – Road Map

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## Pre-conditions:

Waterway policy

Waterway development programme (NAP)

Waterway management capacities

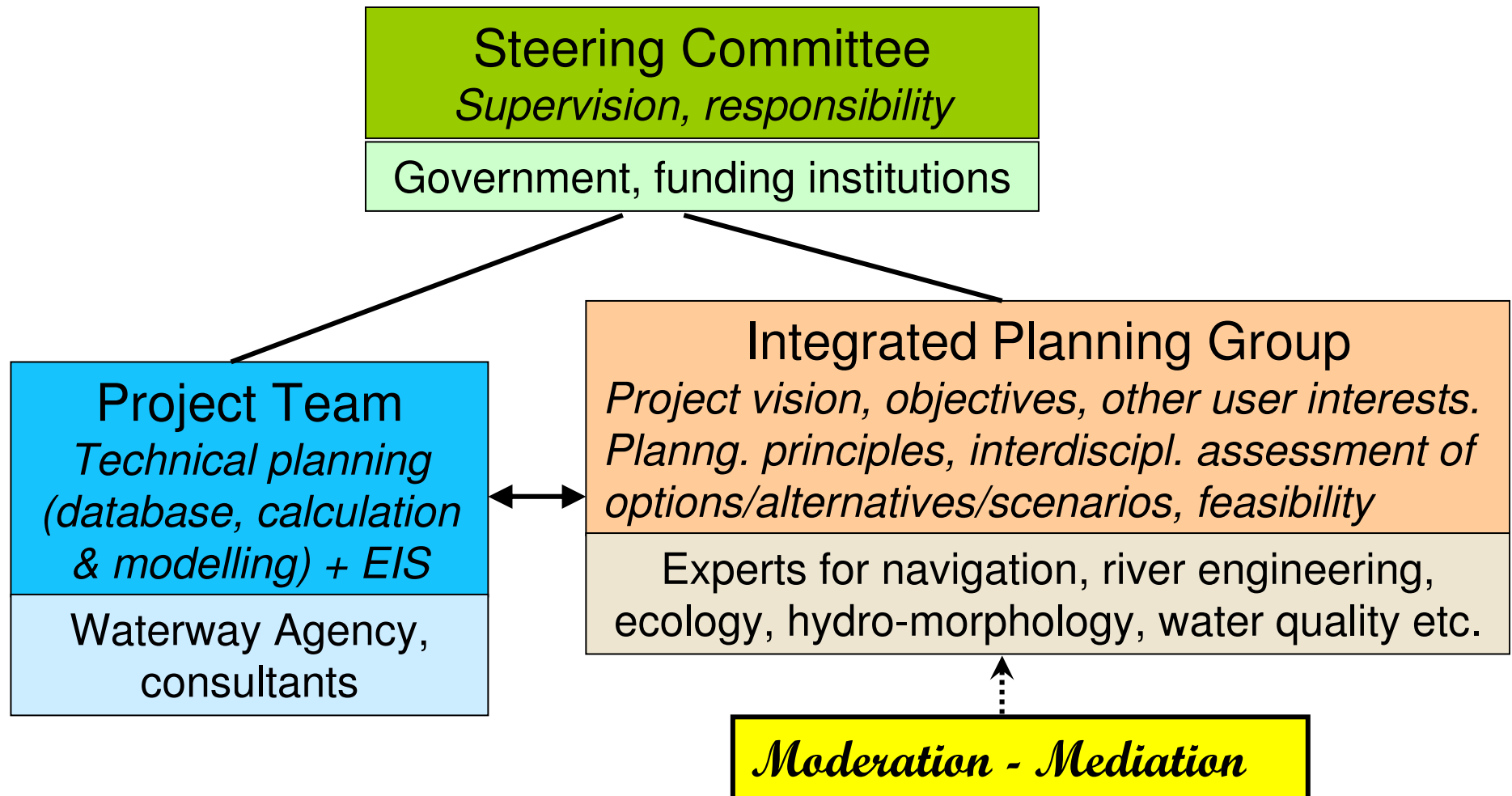
## Specify integrated planning

Relevant issues – key stakeholders (local – foreign)

Project goals – planning objectives

Working rules – operational capacities

# Responsibilities and tasks during the integrated planning



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# Next steps in the practical planning – Road Map II

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Assure agreed results (e.g. formal adoption, publication)

Transfer results into detail planning / submission of EIS

Execute EIA process incl. public hearings and information

Receive all required permits

Assure funding

Start monitoring

Execute works

Assure post-project activities (corrective actions, monitoring).



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# Your comments on the Manual structure?

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