Protecting and Improving Danube Waters



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zum Schutz

mission

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From Black Forest to Black Sea







The World's most international River Basin

Human activities damaged the Danube











Fall of Iron Curtain





Danube River Protection Convention



29 June 1994, Sofia (Bulgaria)



ICPDR coordinates implementation of EU Water Framework Directive & EU Flood Directive

Contracting Parties





Germany Austria

Slovakia

Hungary



Bosnia & Herzegovina Serbia



- Montenegro
- Romania





Bulgaria



Rep. of Moldova





European Union



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Slovenia





Stakeholder Involvement: 22 Observers

International Commission for the Protection of the Danube River



Danube River Basin Management Plan



Danube River Basin District	icpdr iksd
Management Plan	
Part A – Baole wide overview	Housevel marker E21(6) Warker Food Vaccar Diez: 54 Deamber 2009

Reflects/Includes

- Water status of the DRB waters
- Joint Programme of Measures

Enables

- Conclusions on funding
- Evaluation of measure implementation

Significant Water Management Issues







Nutrient Pollution





Hydromorphological Alterations

Visions & Management Objectives for the SWMIs

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Visions & Objectives Organic Pollution



No untreated municipal and industrial wastewaters are discharged into the waters of the Danube River.

Urban Wastewater Treatment Plants – 2005/6

International Commission of the Danube River



Urban Wastewater Treatment Plants - 2015

<figure>

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Visions & Objectives: Nutrient Pollution



The nutrient balance in the DRB is environmentally sustainable. The emissions of nutrients via point and diffuse sources are managed in a balanced way for the entire DRB, that neither the waters of the DRB nor the Black Sea are threatened or impacted by eutrophication.

Visions & Objectives: Hazardous Substances

Hazardous substances are no threat to the aquatic environment of the waters in the DRB and Black Sea Basin. No untreated municipal/industrial wastewater is discharged into the waters of the Danube River Basin. Best available techniques are implemented for the treatment of industrial wastewaters to eliminate and reduce the discharge of hazardous substances.

Agricultural Measures in JPM/DRBM Plan

Broad range of measures in place in Danube countries to address agricultural influences on water

Key lines of action explicitly highlighted in DRBMP

- building storage capacity for manure
- strengthen advisory services and training
- focus on nutrient reduction and pesticides/herbicides use reduction
- land use management

Areas for Best Agricultural Practice

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Danube River Enterprise Pollution Reduction Project

Modelling pollutant flows

International Commission of the Danube River.



Schernewski (2007)



Danube River Basin District:

TransNational Monitoring Network (TNMN)

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Condition of Danube & its Tributaries

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Future of integrated environmental policy





Ministerial Meeting, 16 Feb 2010

Danube Declaration



 Confirms will to contribute to the protection of Black Sea

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- Agrees on need for additional initiatives to reduce nutrient loads
- Expresses concerns that a stronger increase in the intensity of agricultural development might offset pollution reductions

How can agricultural impacts icpdr iksd on waters be reduced?

- ⇒ Nutrients reduction, e.g. limits in fertiliser use (time and type), nutrient balances on farm level
- ⇒ Pesticide reduction in all farming practices
- ⇒ Organic farming: input reduction, rotation, intensification of livestock
- ⇒ **Buffer** stripes
- ⇒ Soil erosion measures
- ⇒ Wetlands reconnection
- ⇒ Rural Development Programs (CAP Funding)

Climate Change Adaptation





Impact on Water





Exchange of experiences



Agriculture

 \Rightarrow Which measures do we have in place?

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⇒ What do we plan to implement?

⇒ Which new measures are needed?

Cooperation between authorities responsible for Water – Environment and Agriculture

Cooperation between business & governments

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Thank you!





Further information: www.icpdr.org