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Pilot Program for the Implementation of the UN/ECE – Guidelines on Monitoring and Assessment of Transboundary Rivers

Identification and review of Water Management Issues

Bug – Morava – Mures/Maros

Identification of

USES/FUNCTIONS

CRITERIA / TARGETS

for functions/uses and issues

WATER LEGISLATION

incl. classification systems

INVENTORY

of available information

SURVEYS

if information is lacking





ANALYSIS OF WATER MANAGEMENT ISSUES



INFORMATION NEEDS



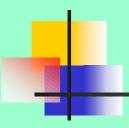
STRATEGIES

for Monitoring and Assessment



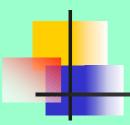
RECOMMENDATIONS

for improvement



WFD - consideration 35

This directive is to contribute to the implementation of ..., notably the UN Convention on the protection and use of transboundary water courses and international lakes

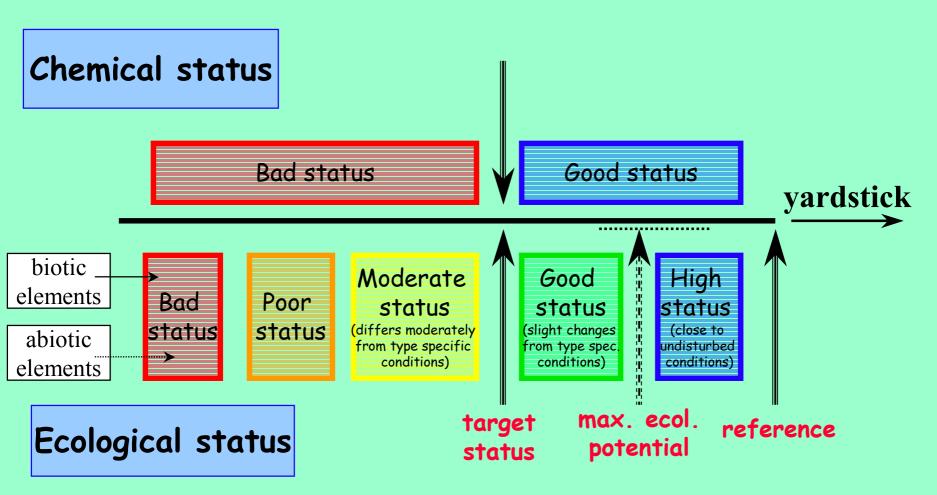


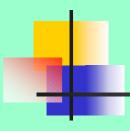
EU-WFD in a nutshell

- Goal: Ecological restoration of river basins
- Measures:
 - reducing of discharges
 - morphological adaptions
- Action: River Basin Management Plans
- Progress: Monitoring of relevant parameters
- Ready: 2015-12-22

Ecological assessment (EU Water Framework Directive) classification & presentation

Water-quality status = Chemical status + Ecological status / potential

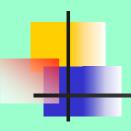




Good Chemical Status

Compliance with all the Environmental Quality Standards (= EQS):

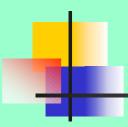
- Annex 9 (= Hg, Cd, HCH, + Dangerous Substances Discharges Directive)
- Annex 10 (= Priority (Hazardous) Substances)
- Other chemical pollutants discharged in significant quantities



Physico-chemical Quality Elements

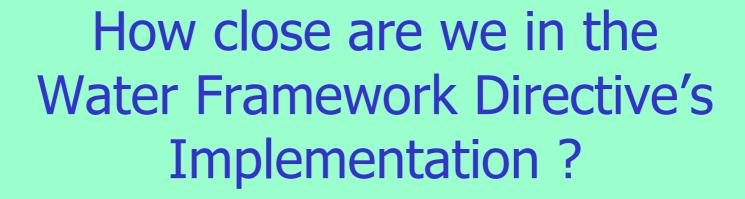
Specific synthetic pollutants:

- Good status: concentrations not in excess of the Environmental Quality Objectives
- High status: concentrations close to zero and at least below the limits of detection of the most advanced analytical techniques in general use (Annex 5)

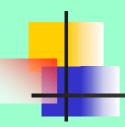


Shifting targets?

The Commission shall review the adopted list of priority substances at the latest 4 years after the date of entry into force and at least every 4 years thereafter

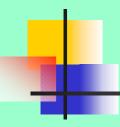


How close are we to the Horizon?



Some results of the 3 pilots

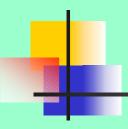
- Good co-operation between the riparian countries in writing their combined reports
- Consensus about the ecological function
- Clear descriptions of the main problems and causes



Some results of the 3 pilots

The main problems are:

- insufficient (collection and) treatment of waste water
- diffuse input of N and P
- in some cases also the discharges of heavy metals (mining)



Some results of the 3 pilots

 Incomplete picture of the occurrence of priority (hazardous) substances, due to time differences of the surveys (1999) and the proposal for Annex X (2000)

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ANALYSIS OF WATER MANAGEMENT ISSUES



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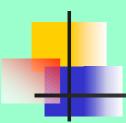
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Conclusions

 The established good co-operation between the riparian countries for implementing the UN/ECE – Guidelines is a solid basis for implementing the Water Framework Directive



Conclusions

- The UN/ECE Guidelines on Monitoring and Assessment of Transboundary Rivers offer much more than its title suggests:
- The water management analysis is also a backbone for the WFD – River Basin Management Plan.