

ECRAN-TAIEX Mission

**Results of the analysis of the responses to  
the project questionnaire  
Skopje, 20.– 22. September 2014**

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## Overview of Presentation

In three parts

- ▶ Part 1: Overview linkage WFD–IED
- ▶ Part 2: working relationships between IPPC regulators and water managers
- ▶ Questionnaire



# Part 1

## Overview linkage WFD-IED

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### Water Framework Directive 2000/60/EC



- ▶ Objective to achieve at least “**good status**” in all waters by 2015
  - **good ecological** and good **chemical status** for surface water
  - **good quantitative** and **good chemical** status for groundwater
- ▶ to **prevent** any **deterioration** in the status of all waters
- ▶ maintaining the “**high and good status**”
- ▶ adoption and implementation of **RBMPs**
- ▶ Programme of Measures (**POMs**) for each of the identified RBDs

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## Conclusions from 1<sup>st</sup> RBMPs (2009 – 15)

- ▶ link between status and pressures in the first RBMPs **was good**
- ▶ link between pressures and measures **was missing**
- ▶ This needs **to be addressed** in the 2<sup>nd</sup> RBMPs (2015 – 21)

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## Implementation – Step by Step approach

- ▶ key tool for the implementation of the WFD is the **RBMP** and the accompanying Programme of Measures (**PoMs**)
- ▶ RBMP is a comprehensive document
  - describing the **execution of water management**
  - identifying all **actions to be taken** in the RBD
  - Main tool for **communication**
- ▶ PoMs is the tool designed
  - to enable **appropriate response** to the relevant pressures identified at RBD level,
- ▶ objective is to reach **good status** of the river basin/water body to



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## WFD PoMs (1)

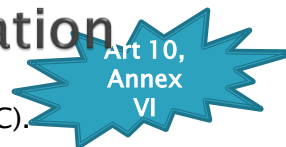


- ▶ Article 11.2 each POM shall include the **basic measures** specified in paragraph 3 (a–l)
- ▶ 11. 3 are the minimum requirements to be complied with and shall consist of:
  - ▶ (a) those measures required to implement Community legislation (...)
  - ▶ (c) measures to promote an efficient and sustainable water use (...)
  - ▶ (e) controls over the abstraction of fresh surface water and groundwater
  - ▶ (g) for point source discharges liable to cause pollution, a requirement for prior regulation

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## Community legislation



- ▶ i. The Bathing Water Directive (76/160/EEC).
- ▶ ii. The Birds Directive (79/409/EEC).
- ▶ iii. The Drinking Water Directive (80/778/EEC) as amended by Directive (98/83/EC).
- ▶ iv. The Major Accidents (Seveso) Directive (96/82/EC).
- ▶ v. The Environmental Impact Assessment Directive (85/337/EEC).
- ▶ vi. The Sewage Sludge Directive (86/278/EEC).
- ▶ vii. The Urban Waste-water Treatment Directive (91/271/EEC).
- ▶ viii. The Plant Protection Products Directive (91/414/EEC).
- ▶ ix. The Nitrates Directive (91/676/EEC).
- ▶ x. The Habitats Directive (92/43/EEC).
- ▶ xi. The Integrated Pollution Prevention Control Directive (96/61/EC).

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## WFD PoMs (2)



- ▶ (k) in accordance with action taken pursuant to Article 16, **measures to eliminate** pollution of surface waters by those substances specified in the list of **priority substances** agreed pursuant to Article 16(2) (...)
- ▶ (l) any measures required to **prevent significant losses** of pollutants from technical installations, and to prevent and/or to reduce the **impact of accidental pollution** incidents (...)

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## WFD PoMs (2)

- ▶ Art. 11.5 **additional measures** in cases when monitoring or other data indicate that the objectives for the water body are unlikely to be achieved:
  - **investigation** of the causes of the possible failure,
  - **examination** and if necessary **review of relevant permits** and authorisations,
  - **adjustment** of the monitoring programmes, and
  - planning of **additional measures** in order to achieve objectives.

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## 25 Key Type of Measures (KTM)

KTM was introduced 2012 to simplifying reporting

1. Construction or upgrades of **wastewater treatment plants**
2. **Remediation** of contaminated sites (historical pollution including sediments, groundwater, soil).
8. **Water efficiency** technical measures for irrigation, **industry**, energy and households.
10. **Water pricing policy** measures for the implementation of the recovery of cost of water services from industry

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## 25 Key Type pf Measures (KTM)

15. Measures for the phasing-out of emissions, discharges and losses of **priority hazardous substances** or for the reduction of emissions, discharges and losses of priority substances.
16. Upgrades or improvements of **industrial wastewater treatment** plants (including farms)

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# List of Pressures

| Pressure  | Main Driver(s) | Clarification on pressures  | Relevance<br>(S) significant<br>(M) moderate<br>(I) irrelevant | Data availability<br>(G) good<br>(F) fair<br>(P) poor |
|---|----------------|---|--|---|
| 1. Point  |                |   |  |   |
| 1.3 Point – IED plants                            | Industry       | Industrial point sources from plants included in the E-PRTR   |  |   |
| 1.4 Point – Non IED plants                        | Industry       | Any industrial point sources not included in the E-PRTR.  |  |   |
| 1.5 Contaminated Sites/Abandoned industrial sites | Industry       | Pollution resulting from an abandoned industrial site or a site contaminated due to past industrial activities, |  |   |

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| Pressure   | Main Driver(s) | Clarification on pressures                                    | Relevance<br>(S) significant<br>(M) moderate<br>(I) irrelevant | Data availability<br>(G) good<br>(F) fair<br>(P) poor |
|--|----------------|---|--|---|
| 1.7 Mine waters                                    | Industry       |   |  |   |
| 2. Diffuse   |                |   |  |   |
| 2.5 Contaminated sites /Abandoned industrial sites | Industry       | abandoned industrial site, past industrial activities         |  |   |
| 2.7 Atmospheric deposition                         | Industry       | Diffuse pollution from atmospheric deposition from any origin |  |   |
| 2.8 Mining   | Industry       |   |  |   |

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|-----------------------------------|----------------|--|--|---|
| 3. Abstraction                    |                |  |  |   |
| 3.3 Industry                      | Industry       | Abstraction for industrial processes   |  |   |
| 3.4 Cooling water                 | Industry       |  |  |   |
| 4. Hydromorphological alterations |                |  |  |   |
| 4.2 Dams, barriers and locks      |                |  |  |   |
| 4.2.6 for industry                | Industry       | sometimes created to provide freshwater for large industry e.g. typically for cooling purposes |  |   |

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| Pressure  | Main Driver(s) | Clarification on pressures  | Relevance<br>(S) significant<br>(M) moderate<br>(I) irrelevant | Data availability<br>(G) good<br>(F) fair<br>(P) poor |
|---|----------------|---|--|---|
| 6.1 Groundwater recharges                             | Industry       |   |  |   |
| 6.2 Groundwater – alteration of water level or volume | Industry       | activities to alter the level of groundwater in order to carry out an underground activity (typically mining or large civil works). |  |   |
| 7 Other anthropogenic pressures                       |                |   |  |   |

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## Part 2

# Working relationships between IPPC regulators and water managers



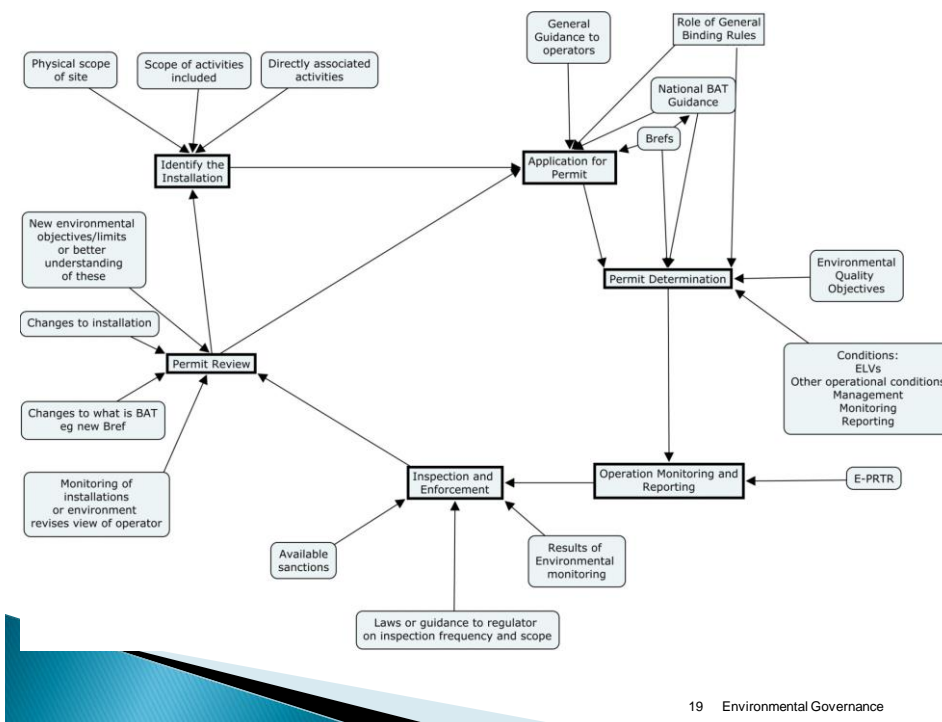
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## IPPC regulation

- ▶ Permitting, inspection, enforcement, permit review, etc.
- ▶ What activities, information, objectives, etc., affect these decisions?
- ▶ Start with an overview of the IPPC regulatory cycle
- ▶ Collection of information via questionnaire



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## Questions for discussion

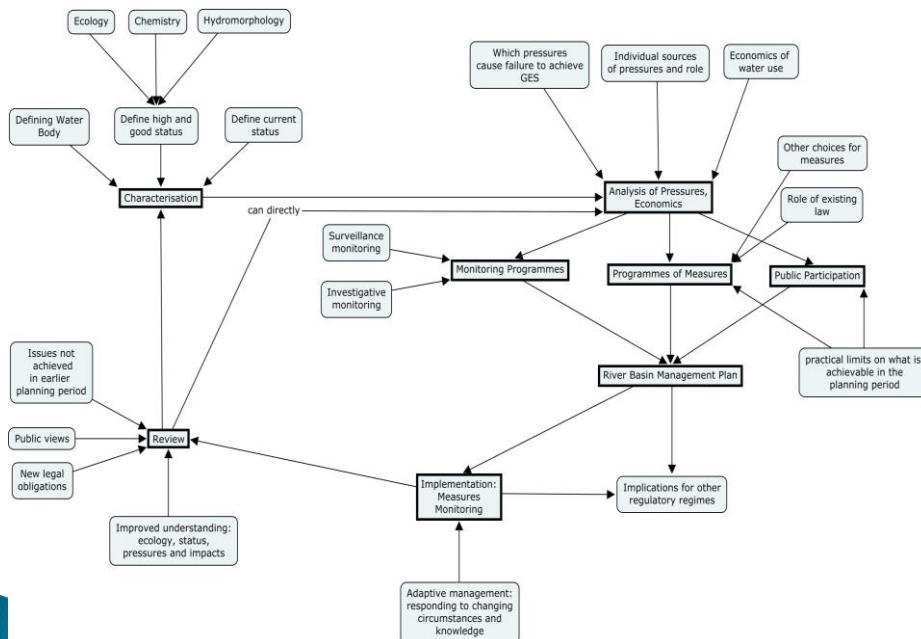
- ▶ Lots of possible issues/questions. Some possible points of discussion:
  - How confident are permitting authorities/operators in taking precise account of legal obligations from EU water law?
  - Are there constraints on requiring installations to go beyond BAT?
  - What would you like to see in the new BREFs under IED regarding water law?
  - How is it best to address the complex technical and sensitive issues regarding controls for combined sources?
  - Are the monitoring requirements as useful as they could be?
  - How can inspectors be better able to assess impacts on water?
  - Can more be made of permit review to improve performance?
  - Any cases of best practice and what are our recommendations?

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# Water management cycle

- ▶ (Characterisation), pressures/economic analysis, programme of measures, monitoring, RBMP implementation, review, revise RBMP
- ▶ How do IPPC installations affect these activities and how can interaction with IPPC regulation contribute to meeting objectives?
- ▶ Start with an overview of the IPPC regulatory cycle
- ▶ Questionnaire

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## Questions for discussion

- ▶ Lots of possible issues/questions. Some possible points of discussion:
  - What information is needed and what should be done to assess pressures arising from IPPC installations?
  - What are the appropriate ways to define measures with regard to IPPC installations in POMs?
  - Are there difficulties in defining mixing zones and how should these be determined?
  - In what ways can monitoring information from IPPC installations be made more useful and what monitoring obligations for IPPC installations might be appropriate from the water manager's perspective?
  - Any cases of best practice and what are our recommendations?



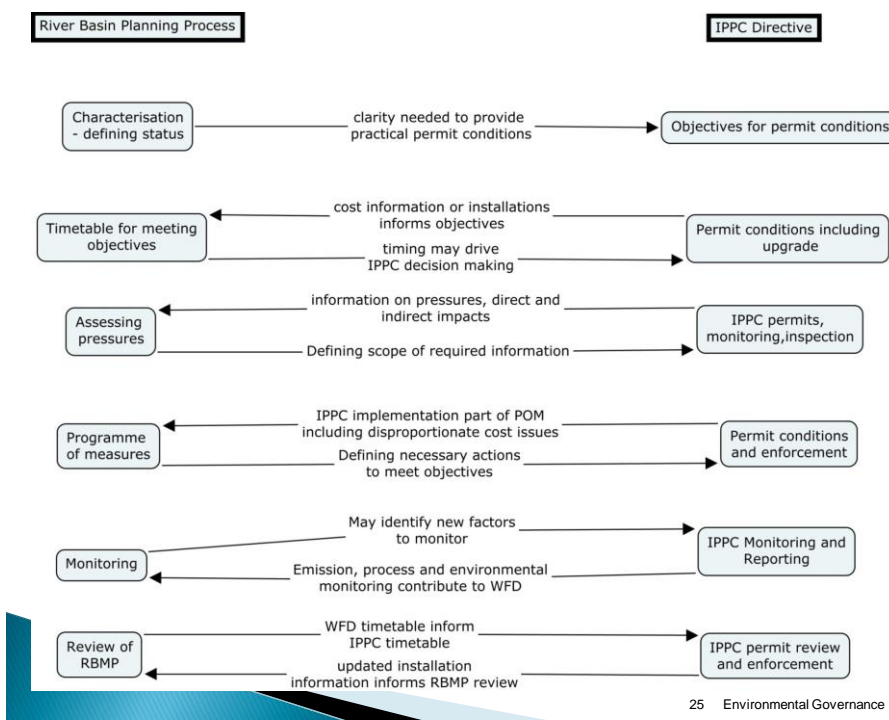
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## Range of activities benefiting from co-operation

- ▶ Assessing pressures
- ▶ Permitting
- ▶ Defining appropriate measures – what and when
- ▶ Monitoring – what, where, when
- ▶ Inspection and enforcement
- ▶ Review – of permits and RBMPs



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## Examples of co-operation processes

- ▶ In some MS co-operation is formal, others informal
- ▶ Exchange of documents (draft RBMP, permit application, etc.)
- ▶ Consultation on draft guidance
- ▶ Technical working groups, e.g. on waste water
- ▶ IPPC regulator sits on river basin authority
- ▶ Joint inspection?

## How to improve co-ordination

- ▶ Formal agreements between authorities
- ▶ Formal working groups
- ▶ Single information tool/platform
- ▶ Common integrated assessment of impacts of activities
- ▶ Taking account of co-ordination when considering administrative restructuring



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## Questions for discussion

- ▶ Possible issues/questions in the draft report. Some possible points of discussion:
  - What are the main problems that arise from co-ordination difficulties? – general or specific
  - How far are problems due to structures, personalities, procedures, ways of thinking, etc?
  - What are the solutions to these? – easy steps to take
  - What are the best ways to present and share data?
  - Any cases of best practice and what are our recommendations?



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# Part 2

## Questionnaire



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THANK YOU FOR YOUR  
ATTENTION



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