

The Dutch WFD monitoring program for surface water

Some Observations

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Content

- The story and the strategy up to March 21
- Characteristics of the MP submitted
 - Locations, parameters
 - Are we ready? Still some issues to address
- Additional costs of WFD Monitoring
- Planning for the next phase

How did we organize?

- 2005
- EU CIS guidelines
- National expert group (national and regional level)
- Draft National Guidelines (technical)

LBOW (National Management Committee on Water)
Dep. Minister of Water, Water boards, representatives of
communities and provinces

Administrative/political starting points:

- WFD proof
- Link with existing monitoring programs
- Only limited increase of costs.
- Final National Guidelines (formally agreed by LBOW)

Strategy to EU Commission

- Not only submitted the MP electronically
- Added a summary report (explain choices made)
 - Strategic choices
 - Resulting monitoring program
 - Planning future activities

Types of monitoring

- Surveillance monitoring
- Operational monitoring
- Investigative monitoring

Surveillance Monitoring

- Status and trends
- Comprehensive Monitoring at a limited number of locations (100)
- Representative location in the main rivers
- Tributaries to the main system
- Trans boundary locations
- Evenly distributed over the regions
- Representative for the water types present.

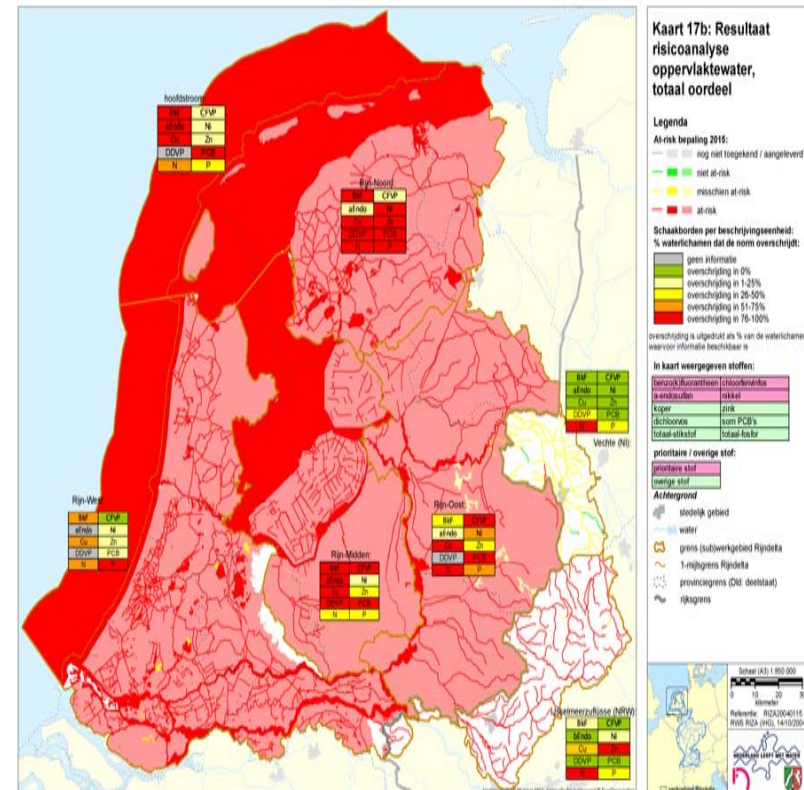


Surveillance Monitoring

- Chemistry
 - Priority substances – selection based on a inventory study
 - All substances found included in the MP
- General Physical and Chemical parameters
 - All included
 - Where already included in the existing MP's
- Ecology
 - All required biological element are included (phytoplankton, Fytobenthos, Macrophytes, Macro- fauna and fish
- Hydro morphology
 - New
 - 17 monitoring pilots to gain experience
 - Guideline for hydro morphological monitoring

Operational monitoring

- For all heavily modified water bodies at risk
- All Water bodies at risk



Investigative monitoring

- If the reason for being at risk is not know
- Tailor made monitoring
- Will be included later
- Some initiatives – screening for pesticides
- Guideline diagnostic water quality assessment – field and laboratory experiment to determine cause – effect relationships
- Investigative monitoring to be include in RBMP 2009

Additional monitoring protected areas

- Abstraction for drinking water - 8 locations
- Bathing water – existing monitoring network – reported already
- Areas designated for the protection of habitats (Natura 2000) – not clear yet.



Additional costs

- Limited increase of the costs
- Approximately 5-10 % increase of monitoring budgets
- No new locations (Existing monitoring location 7000), no additional staff
- Increase due to:
 - Priority substances
 - Biology (fish)
 - Hydro morphology

What next until 2010

- 2007 1st year of monitoring
- 2008
 - analysis of the results
 - new risk assessment
 - Result of the assessment included in the RBMP
 - Adaptation of the monitoring program
- 2009 Final RBMP including monitoring program
- 2010 Submission of new Monitoring program

Guidelines:

- Investigative monitoring
- Hydro- morphological
- Reporting – aggregation
- Protected areas (Natura 2000 sites)