

PEER REVIEW  
SECRETARIAT



Project  
funded by:



# Peer-Review Mechanism

for Water Framework Directive Implementation

## PROGRAMME OF MEASURES WORKSHOP

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MENBO+JRBA-OIEAU

Lourdes (France)

October 2016

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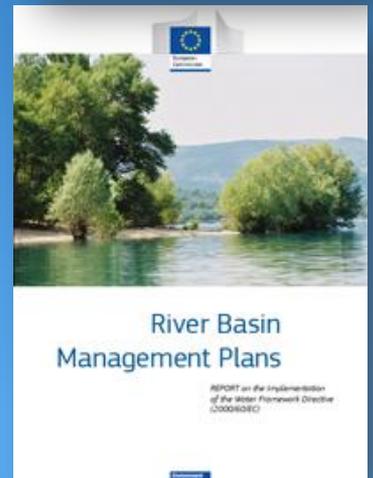
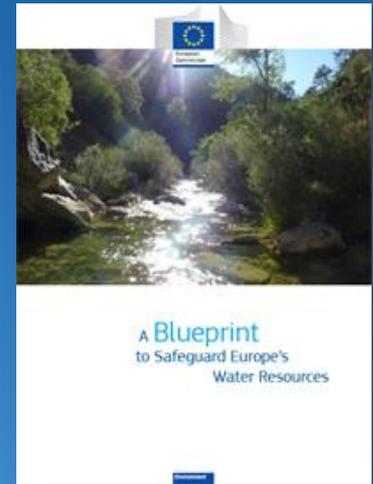
- ❑ Reminder on Peer Review Process
- ❑ Current implementation of the project
- ❑ Workshop on the PoM
- ❑ Summary of the Peer Reviews on the PoM

# Purpose of the peer-review

The objective is to set up a simple, voluntary and **targeted system to allow mutual learning between peers about WFD implementation** and participative river basin management planning

## Who?

Practitioners from River Basin Districts involved in the implementation of the WFD



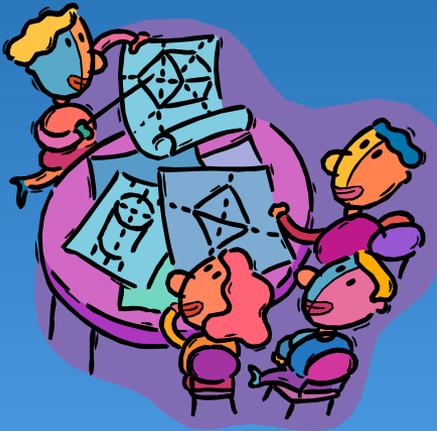
# The peer-review tool

## How ?

### 1- PEER REVIEW MISSIONS:

- Dedicated to issues selected by Receiving Competent Authorities (RCAs) and implemented by selected volunteer reviewing experts (RE).
- Missions were carefully organised in line with the “Terms of References “ and online preparatory meetings.
- Lessons learnt and tips were summarised in a report elaborate by the experts.

### 2- **HANDS-ON WORKSHOPS** on most discussed issues during the missions



# Project activities:

September  
2014

- Launch of the Peer review Secretariat project for 2 years

November  
2014

- Establishing the protocol to perform the peer-reviews, "manual of procedures"

Jan.-April  
2015

- Initial call for expression of interest for both RBDs and experts launched and match making procedures

# Project activities:

February-June  
2015

- Elaboration of ToRs with RCAs and first webinars

August  
2015

- First Peer Review missions

Sept. – Oct.  
2016

- 4 Peer Review workshops

Up to  
Nov. 2016

- finalisation of Peer-review missions

Up to  
Dec. 2016

- Final assessment and report

# RBDistricts candidates for a PR mission

South Baltic Water District, Sweden

Tiber Basin Authority, Italy

Duero River Basin Authority, Spain

Júcar River Basin Authority, Spain

Water Management Agency, Luxembourg

Catalan Water Agency, Spain

Autorità di Bacino dell'Alto Adriatico, Italy

River Basin District of River Kokemäenjoki - Finland

Rhine-Meuse Water Agency - France

Miño-Sil River Basin Authority - Spain

Northern Baltic Sea Water District Authority - Sweden

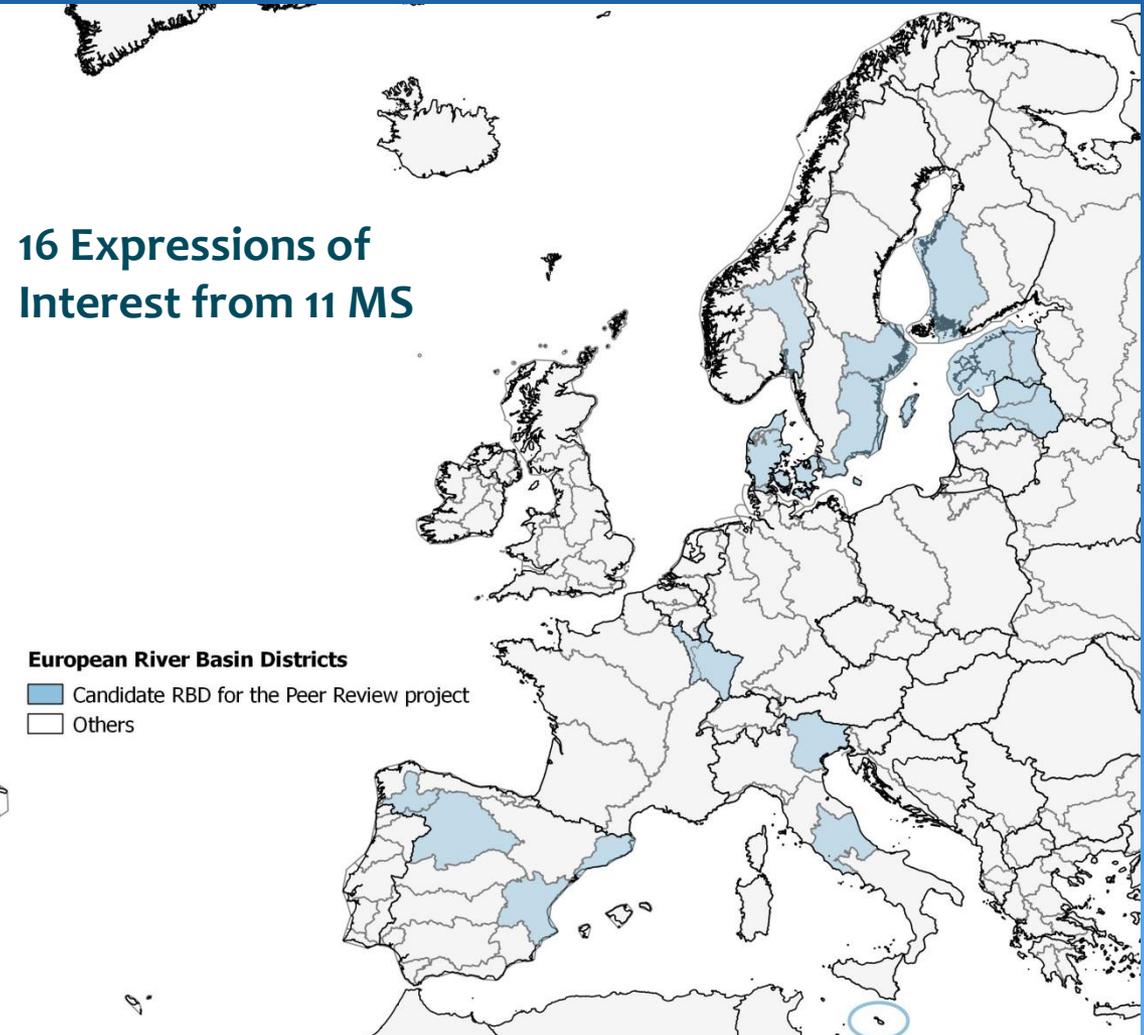
Danish Water Agency - Denmark

National Sustainable Energy and Water Conservation Unit and Environment and Planning Authority-Malta

Ministry of the Environment – Estonia

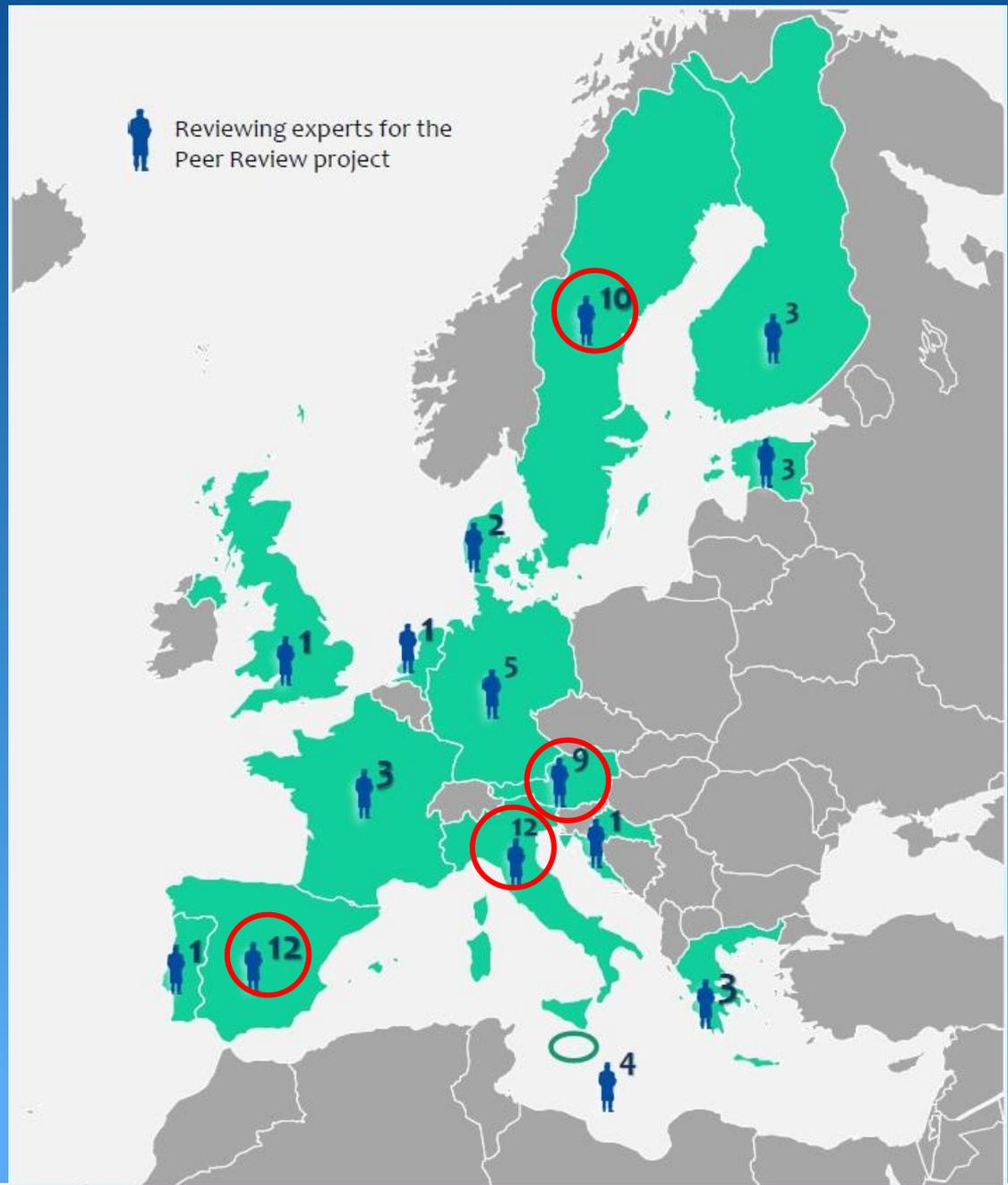
Glomma River Basin District – Norway

Environment, geology and meteorology centre - Latvia



# Geographic distribution of reviewing experts

- 70 candidate reviewing experts from 15 MS

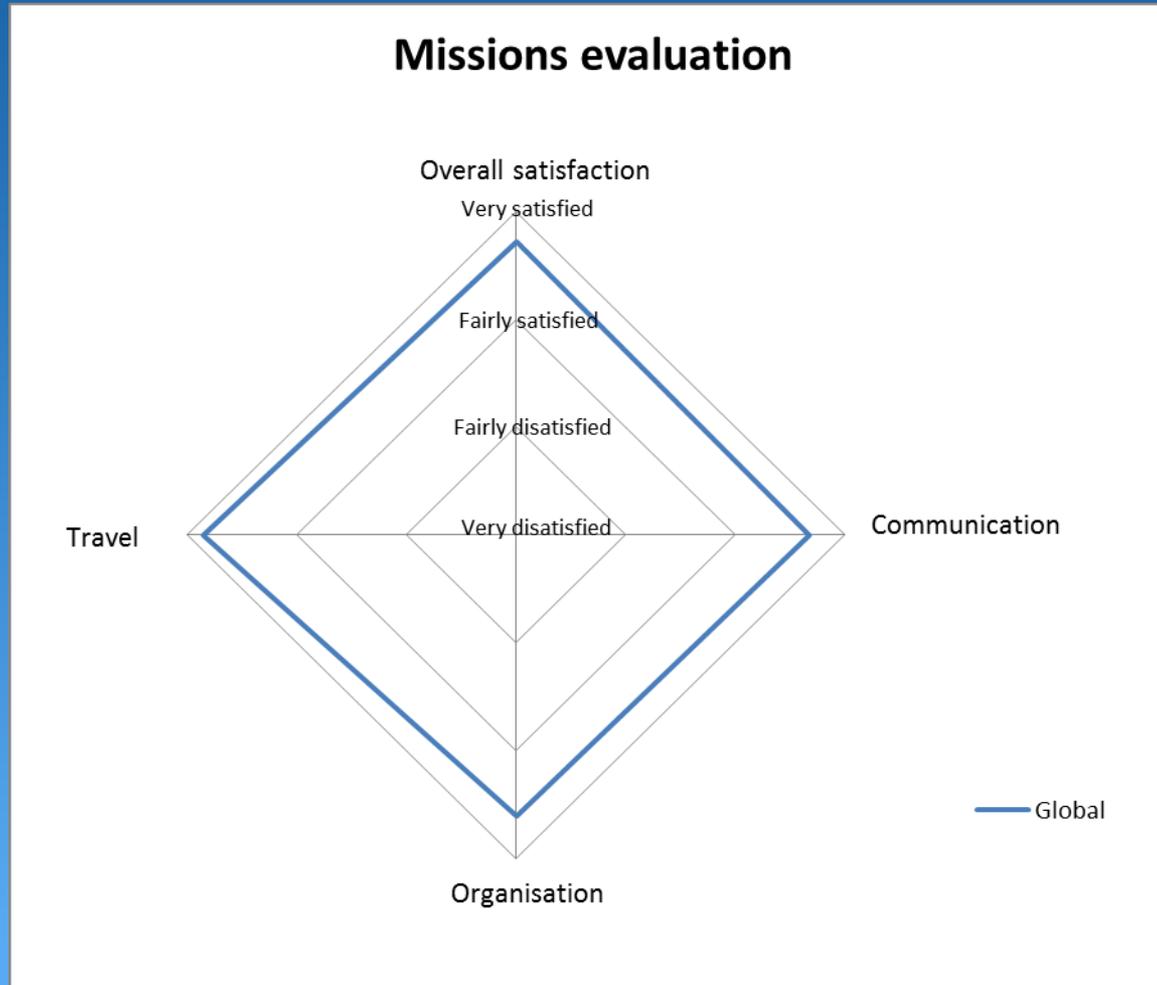


# Process results

Peer-Review Project: Missions' schedule	2015										2016											
	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
RCA																						
Water Management Agency Luxembourg	█				█	█																
Autorità di Bacino dell'Alto Adriatico		█				█			█													
River Basin District of River Kokemäenjoki Finland			█			█			█													
Jucar River Basin Authority Spain						█	█	█	█													
Malta				█			█						█									
Duero River Basin Authority Spain						█		█	█													
Rhine-Meuse Water Agency France						█			█	█												
Ministry of the Environment Estonia						█					█	█										
Glomma River Basin District Norway									█	█	█	█										
South Baltic Water District Sweden										█			█	█								
Catalan Water Agency Spain									█				█	█								
Tiber Basin Authority Italy													█	█	█							
Miño-Sil River Basin Authority Spain													█		█	█						
Northern Baltic Sea Water District Authority													█		█							
Ministry of the Environment - Nature Agency Denmark																	█	█				
Environment, geology and meteorology centre - Latvia																		█		█		

- █ Online meeting/exchanges for the preparation of the mission
- █ Peer Review mission
- █ Mission report

# Preliminary outcomes and messages



# Preliminary findings based on the experiences

- ❑ **Good participation from MS** (RCAs and experts) to join the process.
- ❑ **Gained experience** in improving participants' daily work were declared by the participants
- ❑ **Developed contacts and networking** for future projects
- ❑ **Low cost** for a constructive exchanges and development of a European Common approach in a more practical way
- ❑ Required **improvement in coordination within the planning cycle's activities**
- ❑ **Field trips** organised in some missions were appreciated by the experts
- ❑ **Translation** for the documentation was important and not always possible

# Peer reviews Workshops

## □ Objectives:

- Compare practical experiences of Member States and basin organisations regarding WFD implementation
- Promote the exchange of questions and solutions
- Address the need for explanatory elements of strategies followed by the Members States and identify the best practices

## □ Outcomes:

- **Workshop report** gathering the main information
- Presentation of the **main recommendations** at the "Lessons Learned" workshop and final Peer Review project report

# Hands-on Workshops

- ❑ **GROUNDWATER** on 8-9 September at the South Baltic RCA in Kalmar (Sweden)
- ❑ **DATA MANAGEMENT** on 5-6 October near Nice (France) at International Office for Water
- ❑ **PoM** on 18 October in Lourdes (France) before the annual EUROPE-INBO conference
- ❑ **LESSONS LEARNED** for the peer review instrument for good practice exchange on WFD implementation between member states on 26 October afternoon before the SCG in Brussels (Belgium)

# Hands-on Workshops

## □PoM:

- Before the EUROPE-INBO conference in Lourdes, 19 - 22 October 2016, focusing on:
  - Water Governance in transboundary basins
  - Adaptation to climate change: resources managements and flood risks
  - 2019 WFD review

More information on <http://www.inbo-news.org/inbo/agenda/article/europe-inbo-2016>

# Questionnaire

## Feedback on the Peer Review workshop experience

Workshop host	Mediterranean Network of Basin Organisation – Lourdes - France
Dates of the workshop	18-19 October 2018
Workshop topic	Programme of measures

Name:	
Did the Peer Review workshop answer to your expectation?	
Agree: <input type="checkbox"/>	Fairly Agree: <input type="checkbox"/> Fairly Disagree: <input type="checkbox"/> Disagree: <input type="checkbox"/>
In general, were you satisfied with the Peer Review workshop?	
Satisfied: <input type="checkbox"/>	Fairly Satisfied: <input type="checkbox"/> Fairly Dissatisfied: <input type="checkbox"/> Dissatisfied: <input type="checkbox"/>
Which aspects were the most positive from this Peer Review workshop?	
What do you think could be improved in the management and organization of these workshops?	



# 3 topics proposed for the workshop

- \* **Topic 1:** “Definition and implementation of the programme of measures”
- \* **Topic 2:** “Effects of the programme of measures”
- \* **Topic 3:** “Cost”-effectiveness and cost-recovery analysis”

# Peer review missions on PoM

	Topic 1: Definition and implementation of the Programme of Measures	Topic 2: Effects on the programme of measures	Topic 3: Cost-effectiveness and cost recovery analysis
Catalan Water Agency (Spain)	Yes	No	No
Duero River Basin Authority (Spain)	No	Yes	Yes
Júcar River Basin Authority (Spain)	No	Yes	No
Miño-Sil River Basin Authority (Spain)	No	Yes	No
Estonian Ministry of Environment (Estonia)	No	Yes	No
Glomma River Basin District (Norway)	Yes	No	No
Ministries for “Energy and Health” and “for Sustainable Developm., the Environ.& Clim.Ch.” (Malta)	Yes	No	No

# Catalan Water Agency

## ❑ Objectives:

- Methodological review for the cost- effectiveness analysis of measures and cost recovery analysis.
- Assessment of cost recovery through water pricing
- Analysis of affordability based in the revenues for companies en different sectors

## ❑ Specific recommendations:

- To be presented by **Martin H Larsson**

# Duero River Basin Authority I

## ❑ Objectives:

- Analysis of the effectiveness of the PoM on: pressures, “water status” evaluation and achievement of environm.objectives (Paloma Crespo Iniesta).

## ❑ Specific recommendations:

- ✓ A good status of the water bodies do not often guarantee a good condition of conservation of habitats and/or of the species related to them.
- ✓ An improvement of the coherence and an analysis of the matches and divergences between the Habitats and Species Directives and the Water Framework Directive, are needed.
- ✓ The development of governance and coordination measures between different administrations is equally necessary, in particular in order to improve the usefulness and functionality of the meetings of the Committee of Competent Authorities and to achieve a better integrated participation of different administrations.

# Duero River Basin Authority II

## ❑ Objectives:

- Methodological support on environmental and resource costs for recovery of cost water services (M<sup>a</sup> Mar Borrego-Marín)

## ❑ Specific recommendations:

- ✓ The analysis of cost recovery for water services remains a difficult task in which there are many institutions involved and where financing mechanisms are not well defined in the most of cases.
- ✓ With regard to environmental and resource costs, additional studies are necessary to realize the calculation procedure and its contribution to global recovery ratio (methodology development).
- ✓ There are serious doubts about the effectiveness of the calculation of environmental costs including those derived from water bodies with less stringent objectives: uncertainty in its calculation, meaning of these costs, interpretation of the values obtained. The same happen with the resource costs.

# Gomma River Basin District

## ❑ Objectives:

- What are the strength and weaknesses of the programmes of measures? How can they be improved?
- Are the **priorities** clearly defined in the programmes of measures?
- Are the programmes of measures and the water information system Vann-Nett well correlated?
- How well do we implement WFD policies into physical measures? (Niklas Holmgren & Vicent Westberg)

## ❑ Specific recommendations:

- To be presented by **Marte K. Rosnes**

# South Baltic Water District

## ➤ Objectives:

- Improvement on coordination and implementation of the rural development Plans with the agricultural measures
- Evaluation of “Economic analysis”: environmental costs

## ☐ Specific recommendations:

To be presented by **Paolo Mancin**

## Topic 1:

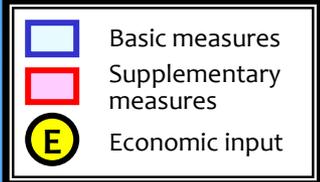
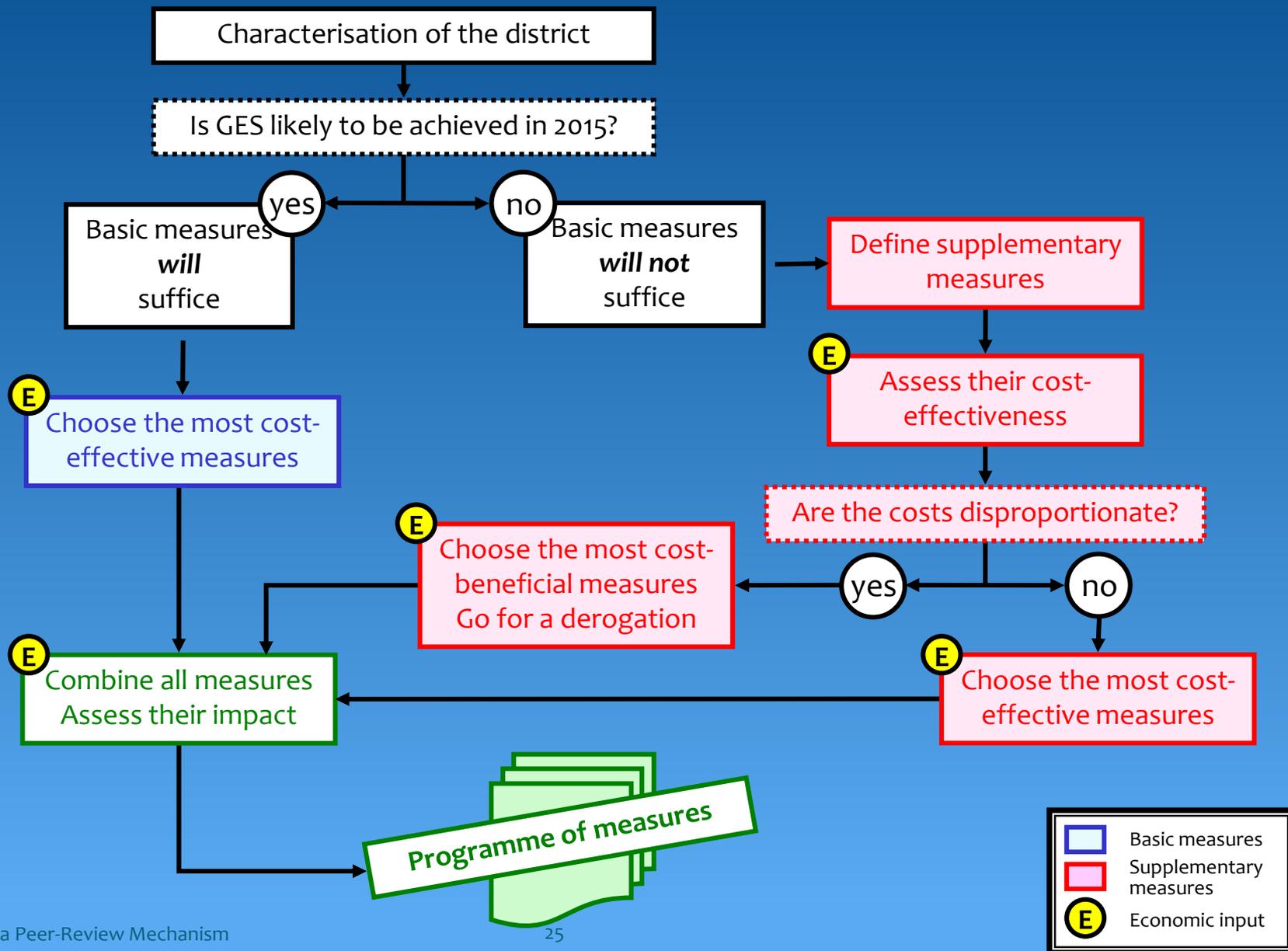
“Definition and implementation of the programme of measures”

# PROGRAMME OF MEASURES IN PRACTICE

Supplementary measures



Basic measures



# BASIC MEASURES



Measures required for the implementation of directives

*E.g. drinking water directive (98/83):  
nitrates < 50mg/l; pesticides < 10µg/l*

What possible measures to comply with these norms?



## Preventive

Co-operative agreements with farmers: change in cultivation methods around abstraction points (grasslands, no chemicals, no manure spreading...)

**vs.**

compensation



## Curative

New treatment facilities:  
denitrification, filtration

# SUPPLEMENTARY MEASURES



Measures required to fill the gap in water quality between the result of business-as-usual evolution and GES

*E.g. given existing uses and their likely evolution, it is necessary to increase the water flow of a river (+50l/sec.) to reach GES*

What possible measures for improving the water flow?



## **M1. Reduce water demand**

A- Water Saving Programme (WSP) in the agriculture sector:

- × reduce the demand
- × implement more efficient technologies
- × ...

B- Water saving programme (WSP) in the urban sector

## **M2. Increase the efficiency of the water distribution networks**

A- In urban areas

B- In rural areas

## **M3. Import water from another basin**

# Words and Ideas ?

- \* Catalogue of measures
- \* Cross directives approach:
  - \* Links CAP – WFD, Natura 2000 – WFD
  - \* FD, WFD, MFSD
- \* Involvement of stakeholders
- \* Implementation strategy

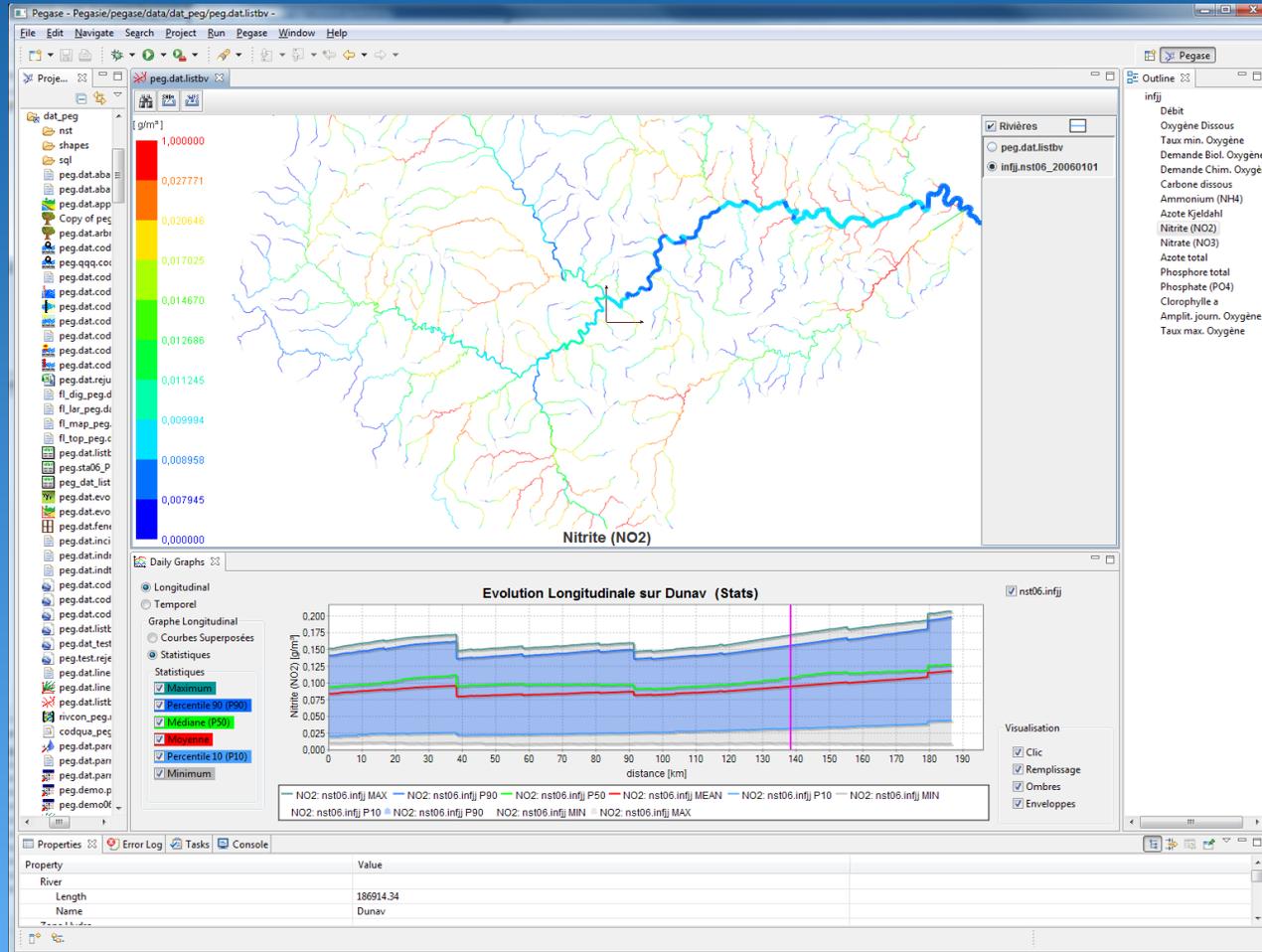
# 3 main discussions points

- \* 1: “Good examples and lessons learnt in your CA, basin, MS...”
- \* 2: “Main difficulties, constraints identified”
- \* 3: “Recommendations, solutions, improvements”

# Topic 2:

## “Effects of the programme of measures”

# Models



# Monitoring the implementation of the Plan

- \* Definition of a dashboard of indicators, built in order to provide information on the concrete implementation of the Programme of measures and RBMP.
- \* Indicators could be published on a yearly basis in addition to setting and reporting against clear 6-year objectives at each RBMP cycle. This would contribute to allowing progress in meeting WFD objectives to be tracked throughout the planning cycle.

The RCA should collect and prepare a whole set of “implementation follow up” information.

# Indicators

<b>Indicators of effect of measures</b>	Water Quality	The percentage water bodies which meet water quality standards compatible with Good Status
	Ecological Status	the percentage of water bodies achieving ecological status
	Trends	Number of Waterbodies not reaching good chemical status but with a trend reversal
<b>Indicators related to measures implementation</b>	Wastewater directive	Number of WWTP planned and designed Number of WWTP constructed and under operation
	Agriculture	Length of rivers concerned by restoration measures
	Drinking water	Number of protected drinking water intakes
<b>Indicators related to the economic impact of PoM</b>	Water price	Mean price paid for water and Sanitation paid by households, Industry and Agriculture.....

# Words and Ideas ?

- \* Models
- \* Follow-up of implementation:
- \* Monitoring
- \* One-out all-out ?
- \* How to communicate

# 3 main discussions points

- \* 1: “Good examples and lessons learnt in your CA, basin, MS...”
- \* 2: “Main difficulties, constraints identified”
- \* 3: “Recommendations, solutions, improvements”

## Topic 3:

“Cost-effectiveness and cost-recovery analysis”

# For more information:

All materials related to the Peer review mechanism can be found on the project website:

[www.aquacoope.org/peer.review/](http://www.aquacoope.org/peer.review/)

For any further information feel free to contact the Peer review secretariat at the following email address:

[peer.review@oieau.fr](mailto:peer.review@oieau.fr)

# Peer-Review Mechanism for Water Framework Directive Implementation

## PROGRAMME OF MEASURES WORKSHOP

Ms. Tatiana Ortega  
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Lourdes (France)  
October 2016

# Estonian Ministry of Environment

## ❑ Objectives:

- Revision for the overall construction of POM
- Approaches for assessing effectiveness of measures (methodology)
- Approaches for assessing costs and benefits of the measures
- Financing sources of the measures addressing the main environmental problems (Philip Caruana)

## ❑ Specific recommendations:

# Malta Ministries

## ❑ Objectives:

- Public engagement and stakeholder support in the implementation of the programme of measures (Ifigenia Kagalou)

## ❑ Specific recommendations:

# Northern Baltic Sea Water District Auth.

## ➤ Objectives:

- Expected effect of measures and setting of exemptions in the field of agriculture
- Priorisation of measures (Mikael Gyllström)

## ☐ Specific recommendations: