



# **Policy perspective on the Water JPI SRRIA needs within Theme 5**

**Water JPI workshop  
14 November 2016, Dublin**

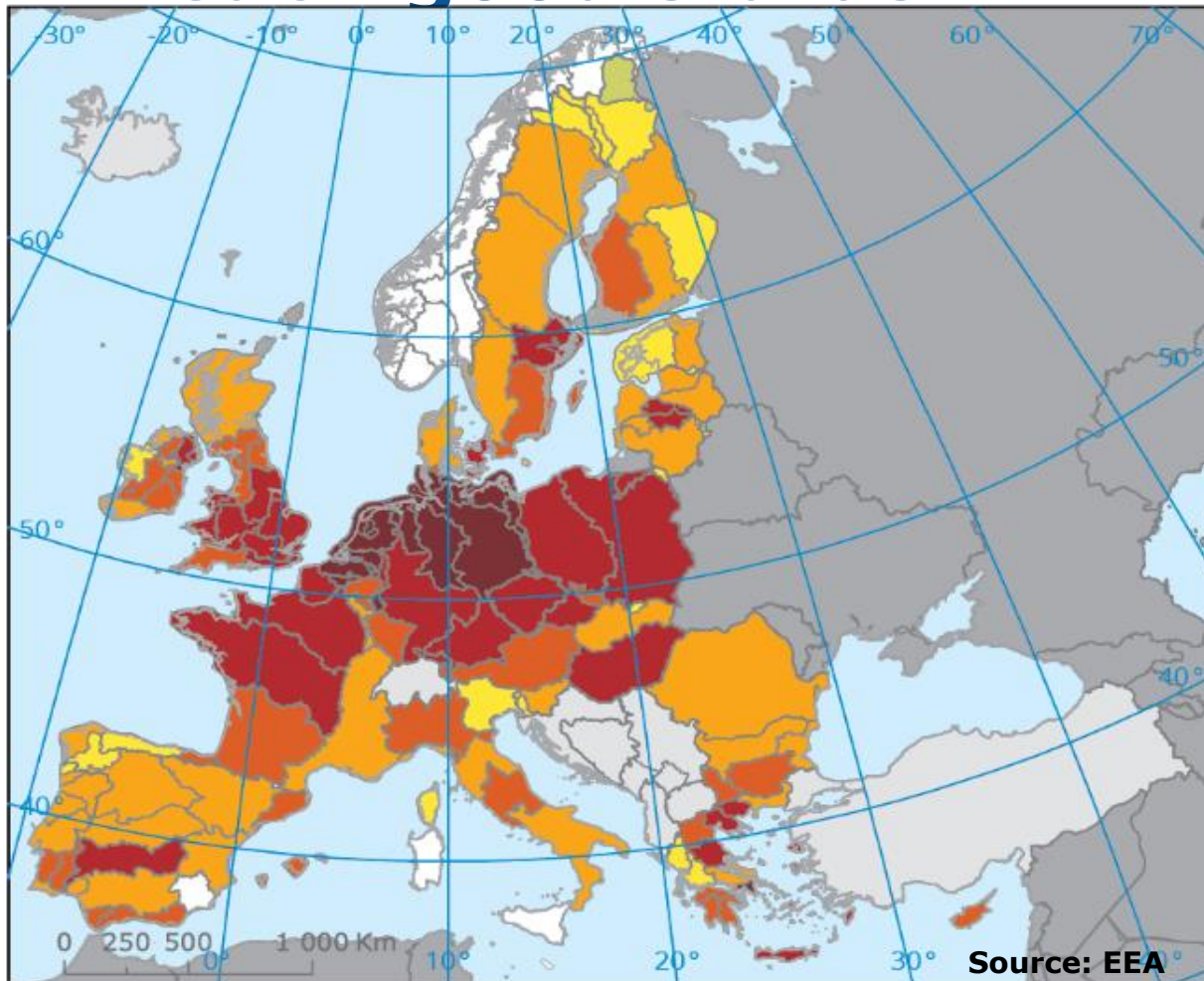
**Dagmar BEHRENDT KALJARIKOVA  
Water Unit  
Directorate-General Environment**



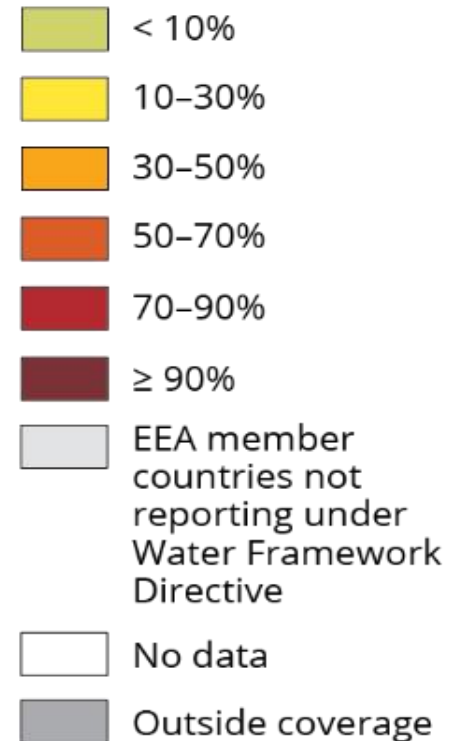
# European Water Policy

- Covers all fresh, ground, transitional and coastal waters in the EU
- Considers all aspects - ecological (including hydromorphology), chemical and quantitative aspects
- River basin-based management
- Coordination in international river basins
- River Basin Management Plans in 6-year cycles (2010-2015, 2016-2021, 2022-2027)
- Programmes of Measures to cover the gap between the current situation and the good status
- Use of economic instruments to incentivise efficient use and raise funds for necessary investments
- The Common Implementation Strategy process
- Compatible with the new UN 2030 Agenda SDG 6 on water
- **Good water status by 2015**

# The Challenge: EU waters fail to reach good status

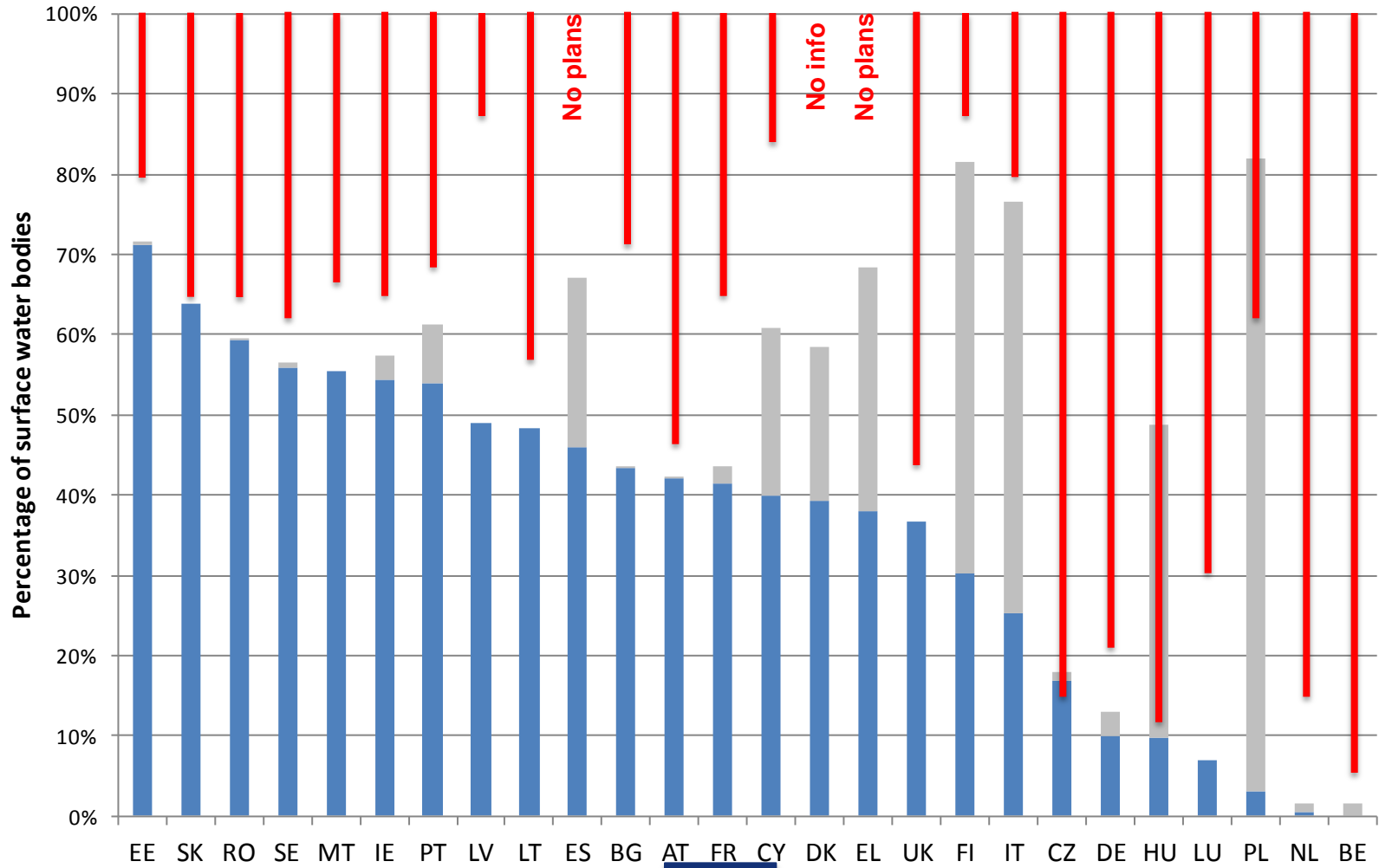


**Percentage of classified water bodies in less than good ecological status or potential in rivers and lakes**



# Status of European Waters 2009

■ Good Ecological Status  
■ Unknown Ecological Status  
■ Exemptions





## Shortfalls of RBMPs 2010-2015

- The WFD intervention logic not always followed
- Programmes of measures not ambitious enough
- Often insufficient monitoring and deficient analysis of pressures
- Frequent and non-transparent use of exemptions
- Insufficient investment and financing of measures
- Only partial application of cost recovery
- **Expected improvement of the water status – less than 10%**

# Investment in Water Management

## Investment needs:

- **Implementation of the Water Framework Directive, 1<sup>st</sup> cycle 2009-2015: €300 billion**
- **Construction, renewal and maintenance of urban water infrastructure: €90 billion annually**
- **R&D: €7 billion**

**💧\* Significant underinvestment in water**

# Status of adoption of second RBMPs

- **Legal deadlines**
  - adoption 22/12/2015
  - Reporting 22/03/2016

**GREEN** - all second River Basin Management Plans adopted

**YELLOW** - part of the second River Basin Management Plans adopted

**RED** - second River Basin Management Plans not yet adopted

**Source:**

[http://ec.europa.eu/environment/water/participation/map\\_mc/map.htm](http://ec.europa.eu/environment/water/participation/map_mc/map.htm)





# Future developments

- **Evaluation and review of water legislation**
  - Drinking Water Directive (2017)
  - Urban Waste Water Treatment Directive (2018)
  - Water Framework Directive & Floods directive (2019)
  - Environmental Quality Standards Directive
- **Major Implementation Support initiative**
  - Reinforced Common Implementation Strategy
  - Access to finance (investment tools)
  - Water Scarcity management
  - Water and Agriculture Nexus
  - Water Innovation
  - Urban initiative (New Urban Water Agenda 2030)





# Next steps 1

## Preparation for the Review

- **Assessment of 2nd RBMPs and 1st FRMPs**
- **Integrated assessment**
- **Economic study on value of water/water services and the cost of non-implementation**
- **Water governance assessment**
- **Study on priority chemicals and a new approach**
- **WFD/FD Implementation Reports (late 2017)**
- **Public consultation (spring-summer 2018)**
- **REFIT/Evaluation report (spring 2019)**
- **Legislative proposals (2020-2021)**



## Next steps 2

### **Preparation for the implementation support initiative**

- **Infringements**
- **Common Implementation Strategy continuation under WP 2016-2018**
- **WFD/FD Implementation report and bilateral discussions on RBMPs (2017-2018)**
- **Water reuse standards (late 2017)**
- **Pharmaceuticals in the environment**
- **Investment instruments (water innovation facility and water investment platform)**
- **Launch of the UWA2030 (Porto, September 2017)**
- **Water Taskforce ENV-AGRI (AGRIFISH Council 2017)**
- **European Innovation Partnership on Water**

# Water JPI SRIA needs within Theme 5

- **Enabling sustainable management of water resources**
  - ❖ Integrated models of the entire water cycle to take into account water demand and predict the impact of climate change
  - ❖ Implementing Managed aquifer recharge (MAR) and NWRMs
  - ❖ Water reuse technologies (removing emerging contaminants during wastewater treatment)
- **Strengthening socio-economic approaches to water management**
  - ❖ Improving baseline economic information and communication tools and methodologies for local decision-makers
  - ❖ Understanding the effectiveness of current economic instruments (pricing policies and related policy instruments (e.g. subsidies) to promote sustainable water management and a circular and green economy.
  - ❖ Developing incentives for efficient water use
  - ❖ Developing methodologies for valuation of and payment for ecosystem services