

# EEAs assessments of the status of Europe's waters

## 2016 Bathing Water Quality report, the Combined report and the Emissions report

Session 1

2016 Eionet NRC Freshwater Workshop

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# EEA reports and products

- 2016 Bathing water report and products
- Health, sanitation and environment in European water policies report
- Water emissions report
- Restoring rivers and lakes in European cities
- European assessment of eutrophication abatement across land-based sources, inland and coastal waters





# European Bathing Water Quality in 2015

Annual report European bathing Water quality (EN, DE and FR)

- 30 National reports
- Data viewer
- Map viewers

Published at start of bathing season (25 May 2016)



# WISE Bathing Water interactive map viewer



# Trend in bathing water quality and country comparison

Chart – Bathing water quality for 9 594 bathing water sites

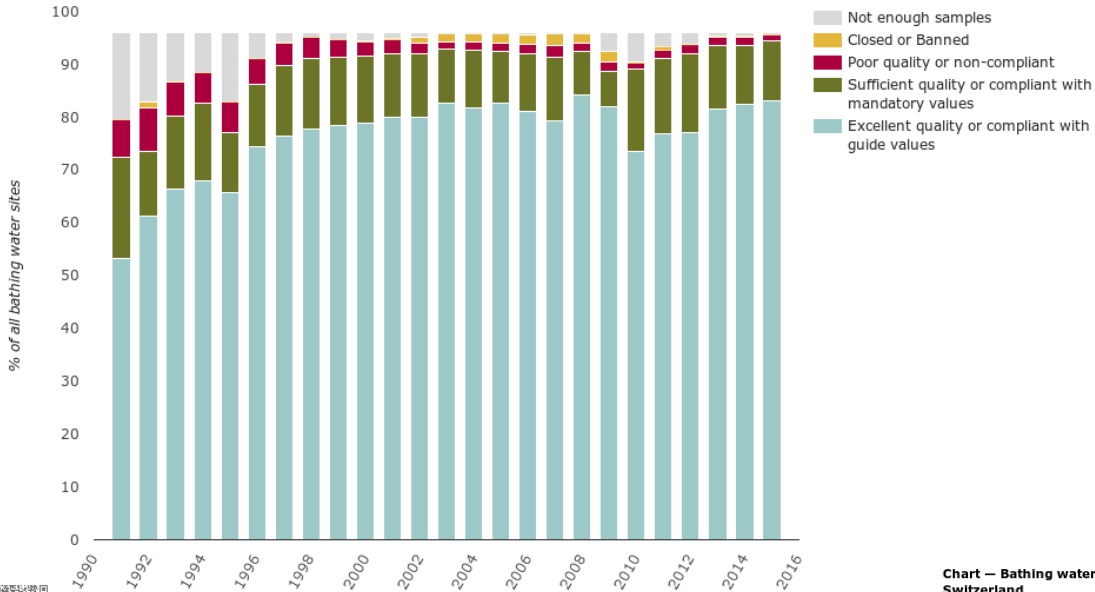
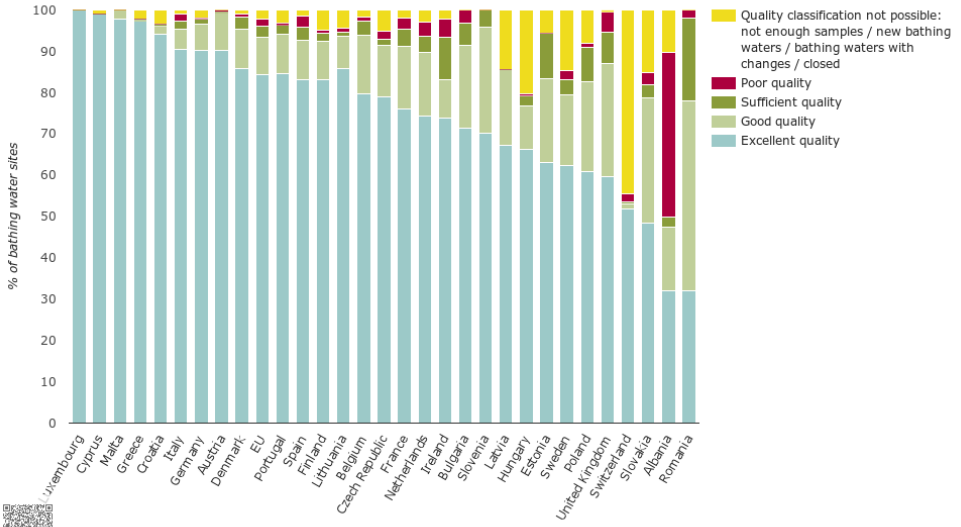
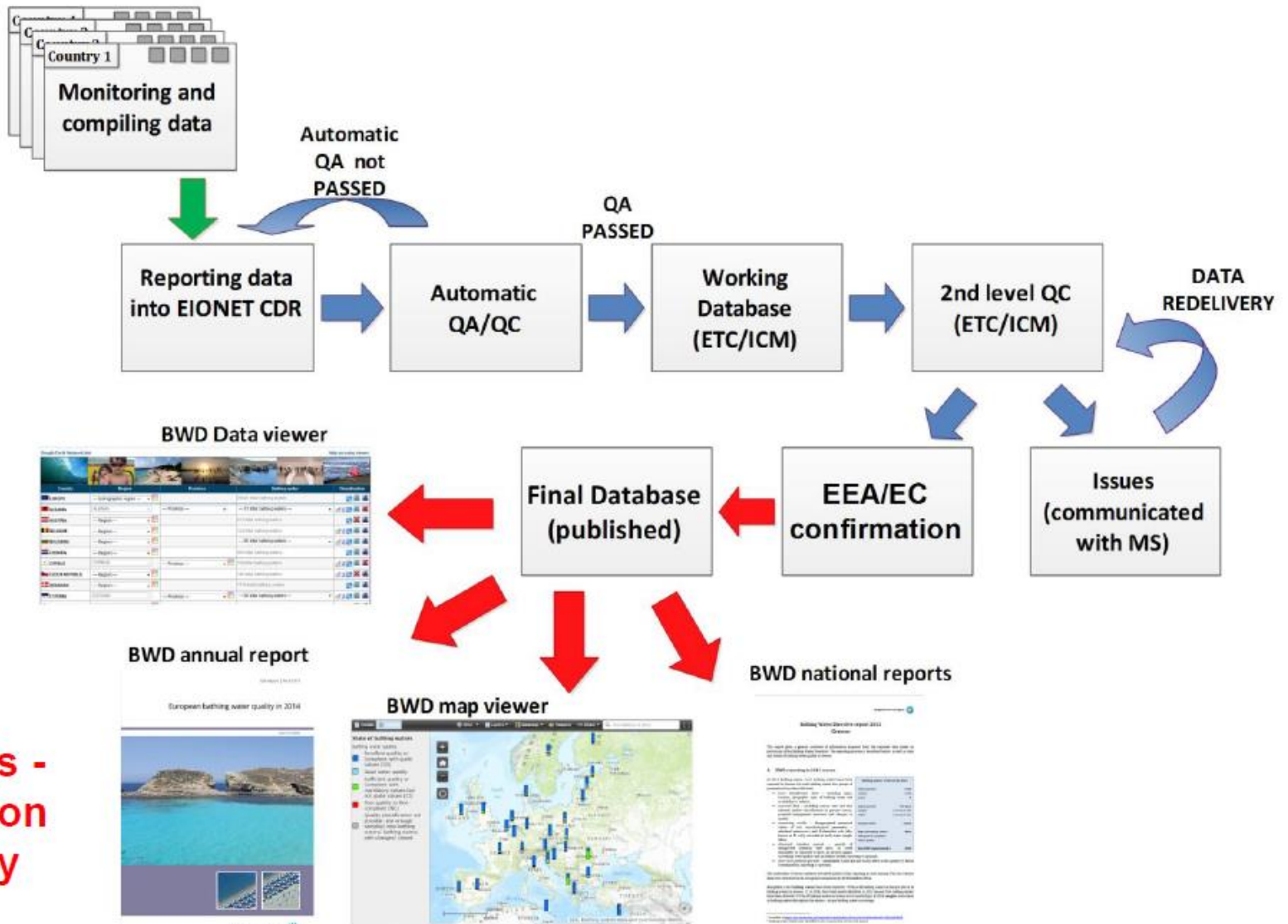


Chart – Bathing water quality in 2015 for the 28 EU Member States, Albania and Switzerland



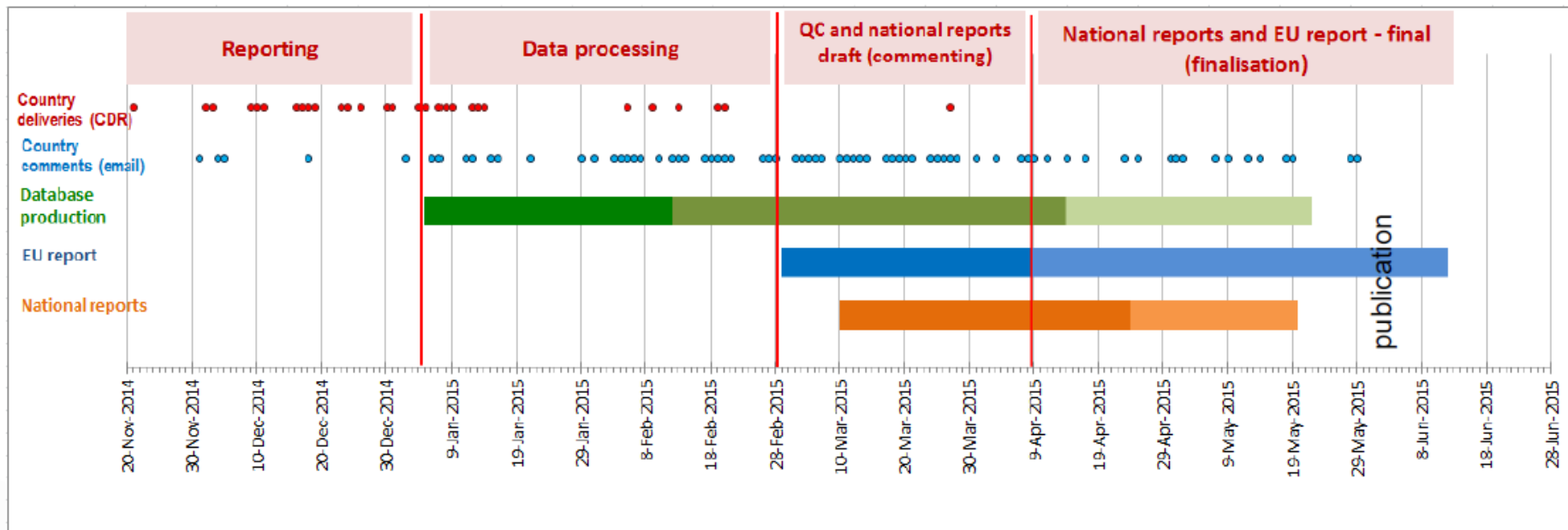
# Data processing and publication



**Five products - release on 20th May 2015.**

<http://www.eea.europa.eu/themes/water/interactive/bathing/state-of-bathing-waters>

# Data processing and publication



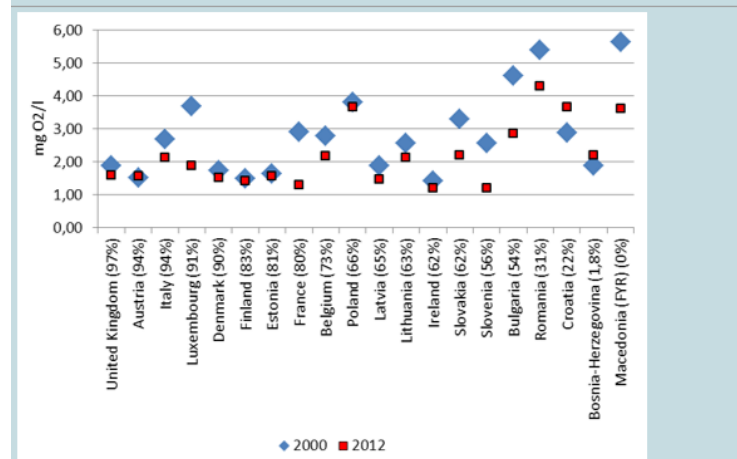


# Health, sanitation and environment in European water policies: synergies between the Urban Wastewater, Bathing Water and Drinking Water Directives

- A report that present main aspects from the
  - Urban Waste Water Treatment Directive (UWWTD),
  - Bathing Water Directive (BWD) and
  - Drinking Water Directive (DWD).
- The report considers the different directives and the links between them. It summarises the status and trend analysis of reported information and looks into some common elements and aspects of integrated management.
- 50-60 pages EEA report
- **Publication summer 2016**

*Sources:* [http://www.eea.europa.eu/data-and-maps/indicators/freshwater-quality/freshwater-quality-assessment-published-may-2;](http://www.eea.europa.eu/data-and-maps/indicators/freshwater-quality/freshwater-quality-assessment-published-may-2)  
<http://ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&language=en&pcode=ten00020&plugin=1>

Figure 4.2 Changes of BOD concentrations in rivers between 2000 and 2012, and proportion of population with at least secondary treatment (2010).



*Note:* Percentages in parentheses are inhabitants with secondary or more stringent treatment of urban wastewater (2010).

- 1 Introduction
  - 2 Management
  - 3 Biochemical Oxygen Demand (BOD): A key indicator for water quality
  - 4 Nutrient reduction, reduced eutrophication and blue-green algal blooms
  - 5 Microbiological pollution in drinking water and bathing water
  - 6 Information requirements of the Directives
  - 7 Conclusions
- Annex – Results reported under the three water industry directives**

# Technical assessment: Emissions to water

- A report that will consider information on annual emissions to water at the European level for
  - the major groups of pollutants (nutrients, organic matter, priority substances)
  - the key emission sources (point sources such as UWWTPs and industry; diffuse sources like agriculture atmospheric deposition).
- The report will give an overview of data available at the European level
- 50-60 page ETC technical assessment
- Publication autumn 2016

## Planned contents:

- 1 Introduction
- 2 Emission source, pathways and pollutants
- 3 European policy and data requirements
- 4 Emissions from industry
- 5 Emissions from urban wastewater treatment plants
- 6 Emissions from diffuse sources
- 7 Emissions to the marine environment
- 8 Synthesis
- 9 Conclusions and recommendations

\* Selected on basis of being reported by at least 16 countries

# Metal and its compounds

Table: Selected\* priority substances reported by UWWTPs under EPRTR emissions reporting

Priority Substance	No. countries reporting
DEHP	18
Nonylphenol + ethoxylates	16
Trichloromethane	16
Cadmium#	27
Mercury#	28
Nickel#	28
Lead#	26

# Restoring rivers and lakes in European cities

- Draft popular report that will illustrate different stories on “living” water in an urban setting.
- 50 pages report – many case studies from European cities
- **Eionet consultation 16 July-1. September**

1 Introduction

2 Importance of rivers and lakes in cities

### 3 Fall and rise of urban rivers and lakes

- 3.1 Key impacts of urbanisation
- 3.2 Re-discovering rivers and lakes in our cities
- 3.3 European policy impetus
- 3.4 City visions and strategies for water

### 4 Coping with key challenges for urban rivers and lakes

- 4.1 Water availability and supply
- 4.2 Water quality
- 4.3 Structural changes

### 5 Key lessons learned

- 5.1 Quality of life – Linking restoration to urban regeneration
- 5.2 What triggers restoration of urban rivers and lakes
- 5.3 Multi-functionality as central aspect
- 5.4 Using planning processes & strategies to improve urban rivers and lakes
- 5.5 Space for restoration of urban rivers and lakes
- 5.6 Demonstrations & stepping stone approaches to urban restoration
- 5.7 Public participation & multi-actor cooperation

# European assessment of eutrophication abatement across land-based sources, inland and coastal waters

- Draft report eutrophication (policies, targets, measures)
  - 70 pages report – eight case studies on eutrophication policies
  - **Eionet consultation 1. September-1. October**
- The report is structured around the following questions:**
- Why is eutrophication a problem in Europe and why this report? – chapter 1
  - What are the main emission sources for nutrients on the European scale, their pathways and impacts on the aquatic environment? – chapter 2
  - Which European Directives, international conventions are in place to tackle the eutrophication problem? – chapter 3
  - What qualitative objectives and quantitative targets have been set in eutrophication management programmes? – chapter 4
  - What indicators are used to assess eutrophication and to measure changes in pressures, impacts and state of the aquatic environment? – chapter 5
  - What mitigation measures are available to combat eutrophication and how have these been implemented? – chapter 6
  - What are the lessons learnt in combating eutrophication in Europe? – chapter 7