



# Policies on drought risk management in a transboundary perspective in the EU

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European Commission

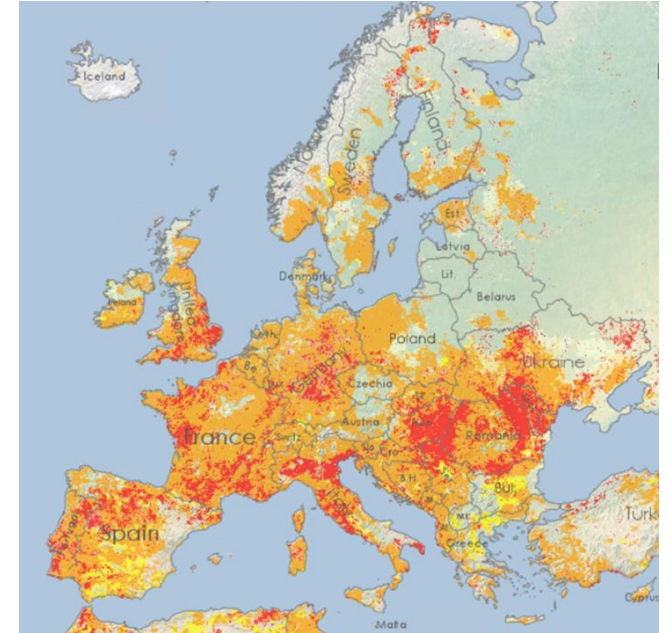
# Drought & water scarcity in Europe

## Current:

- economic damage: EUR 9 billion/yr & unquantified damage to ecosystems and their services

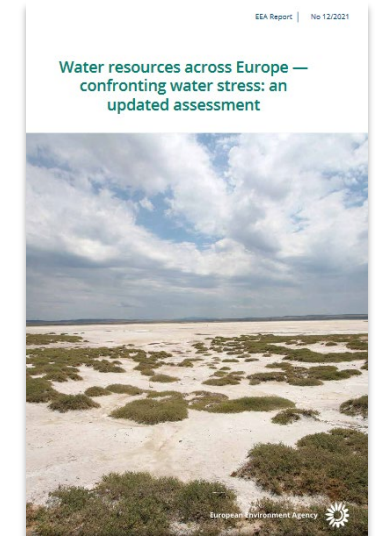
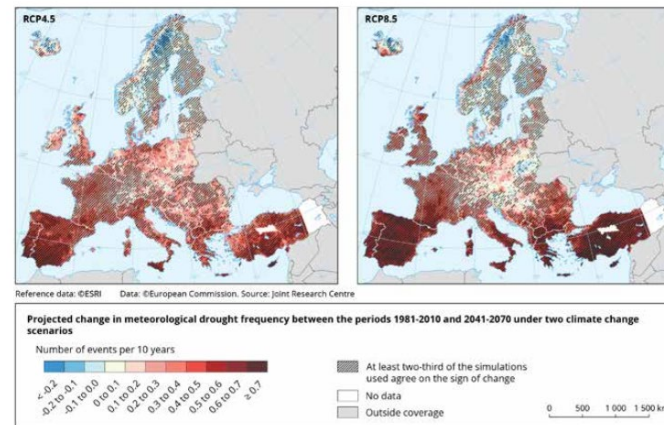
## Future (+3°C)

- Up to 40% less aquifer recharge and river discharges
- Up to EUR 45 billion/yr



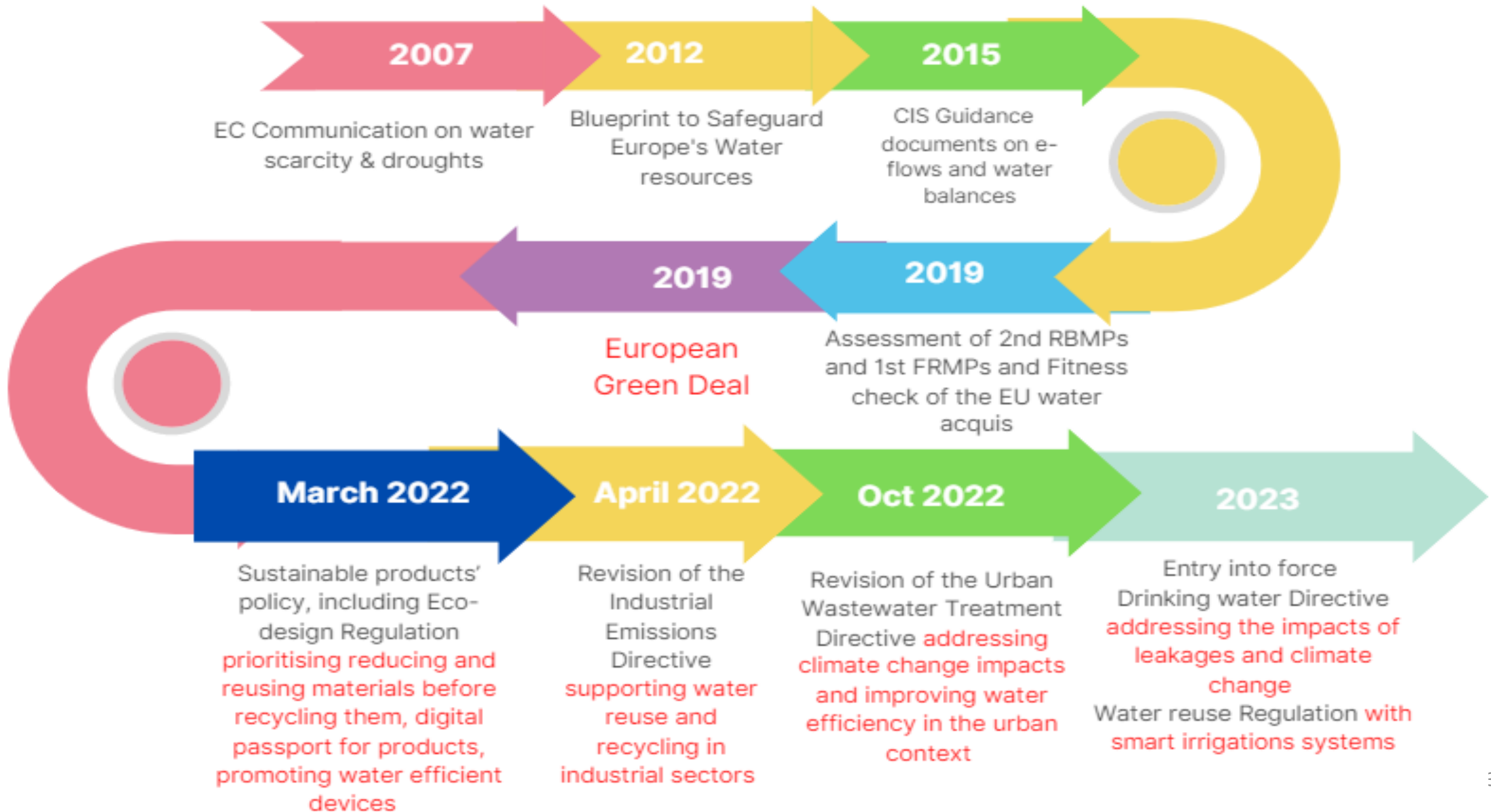
European Drought Observatory  
Combined Drought Indicator – August 2022

Map 3.6 Projected change in meteorological drought frequency between the periods 1981-2010 and 2041-2070 under two climate change scenarios





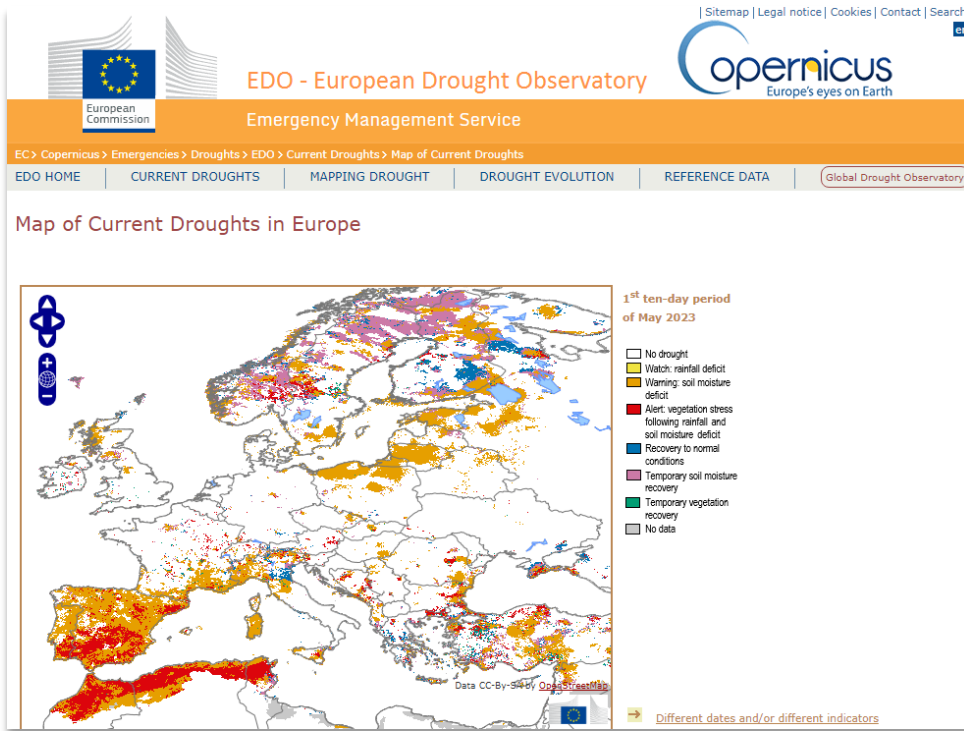
# EU policies on water scarcity and droughts



# EU Strategy on Adaptation to Climate Change

- Ensuring the availability and sustainability of fresh water
- The Commission will:
  - help ensure climate-resilient, sustainable use and management of water across sectors and borders by improving coordination of thematic plans and other mechanisms, such as water resource allocation and water-permits;
  - help reduce water use by raising the water-saving requirements for products, encouraging water efficiency and savings, and by promoting the wider use of drought management plans as well as sustainable soil management and land-use;
  - help to guarantee a stable and secure supply of drinking water, by encouraging the incorporation of the risks of climate change in risk analyses of water management.

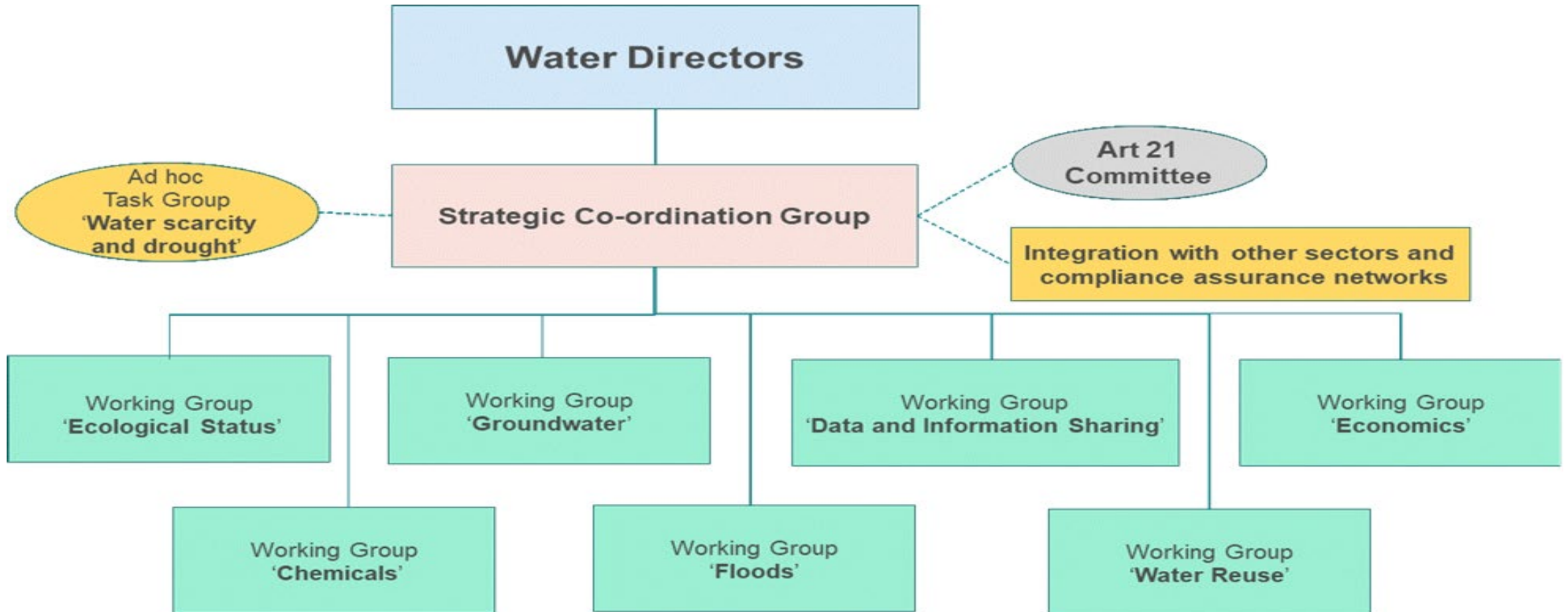
# European Drought Observatory for Resilience and Adaptation (EDORA)



- aiming at strengthening the European Drought Observatory by
  - Improving drought impact and risk assessment
  - Enhancing cooperation between drought observatories in the EU
  - Stocktaking of drought management and adaptation review

# Common Implementation Strategy (CIS) for the EU Water Law








## CIS Work Programme 2022-2024

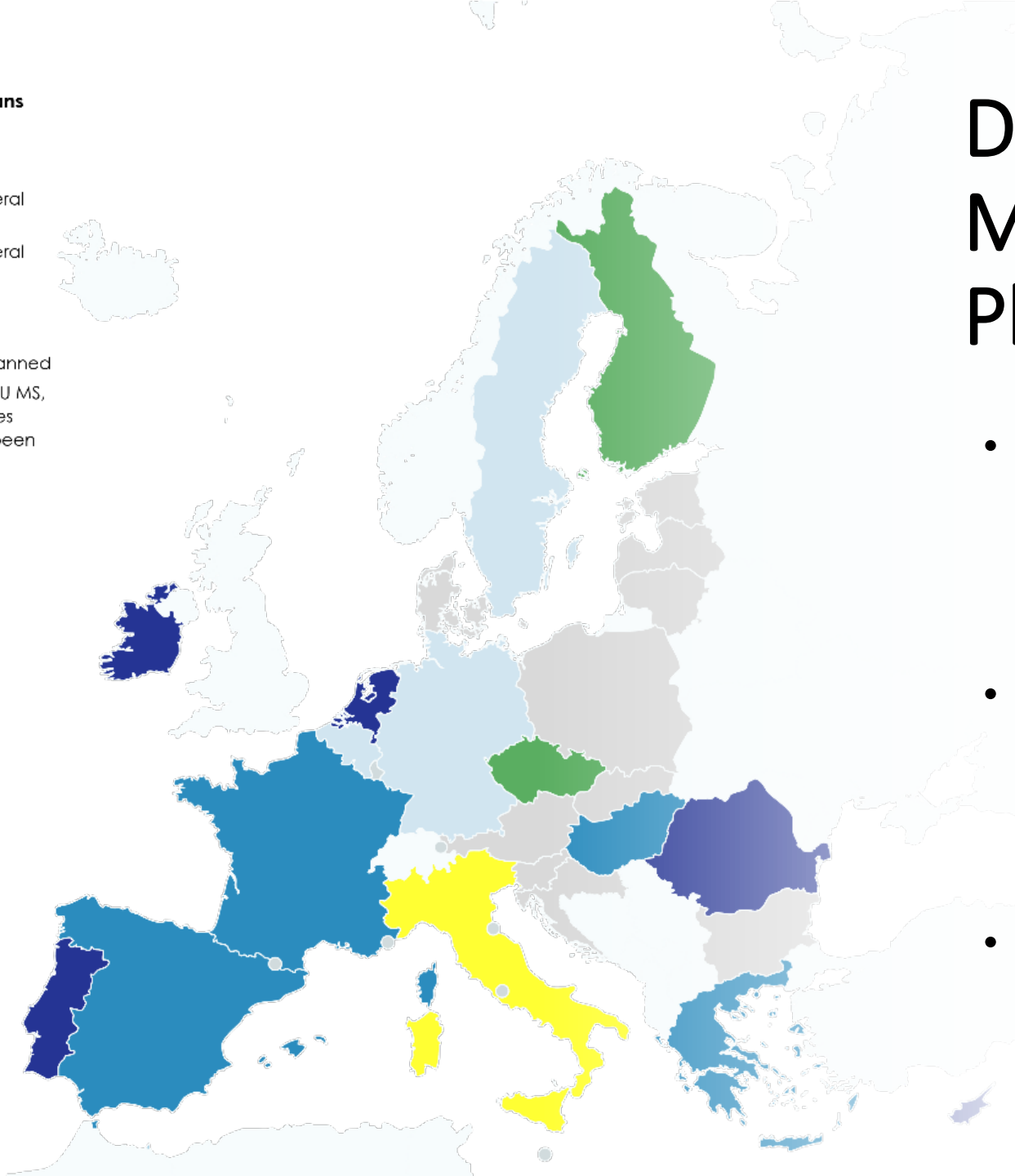


# Deliverables ATG Water scarcity and droughts

- European Drought Observatory on Resilience and Adaptation project
- Report on drought management policies
- An in-depth assessment of drought management plans in the EU
- Adaptation measures to droughts in various
- Drought impact database
- Drought risk atlas
- Updated CIS Guidance 24 on river basin management in a changing climate
- Report on good practices on water allocation mechanism
- Report on Water scarcity and droughts in terms of RBMP and risk reduction

## Drought Management Plans

-  In place for whole MS territory
-  In place for one or several RBDs
-  In place for one or several regions
-  In process or planned
-  Other approaches
-  No DMPs in place or planned
-  Note: For some of the EU MS, several of the categories apply; the largest has been indicated in the map



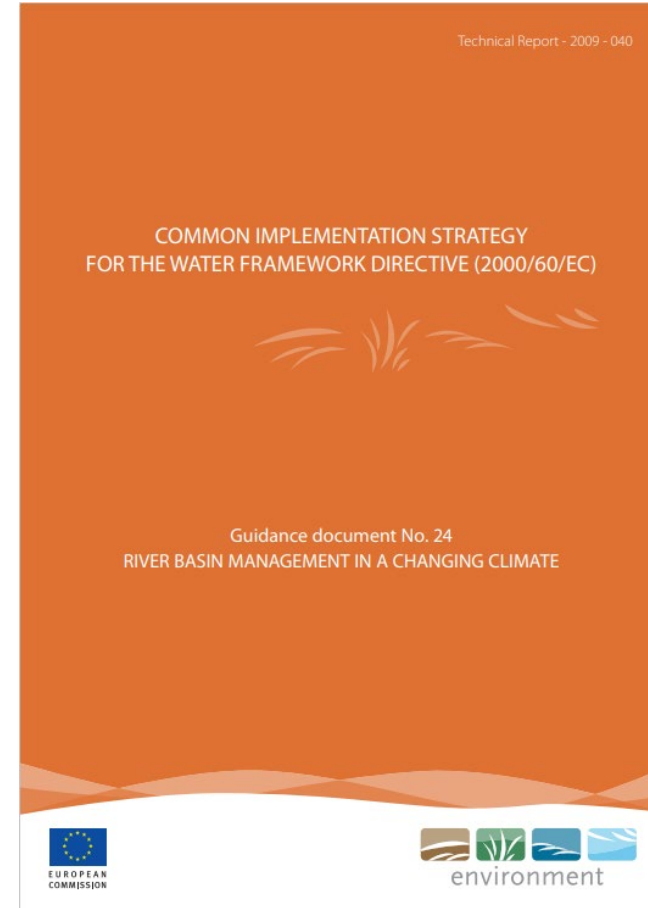
# Drought Management Plans

- **in place in 13 EU MS** (Belgium, Cyprus, Germany, Greece, Spain, France, Hungary, Ireland, Italy, Netherlands, Portugal, Romania and Sweden)
- **Several EU MS** (including Czechia, Finland, Croatia, Luxemburg and Slovenia) are **in the process** of preparing or updating such plans.
- **No DMPs** are in place or planned **in 9 EU MS**



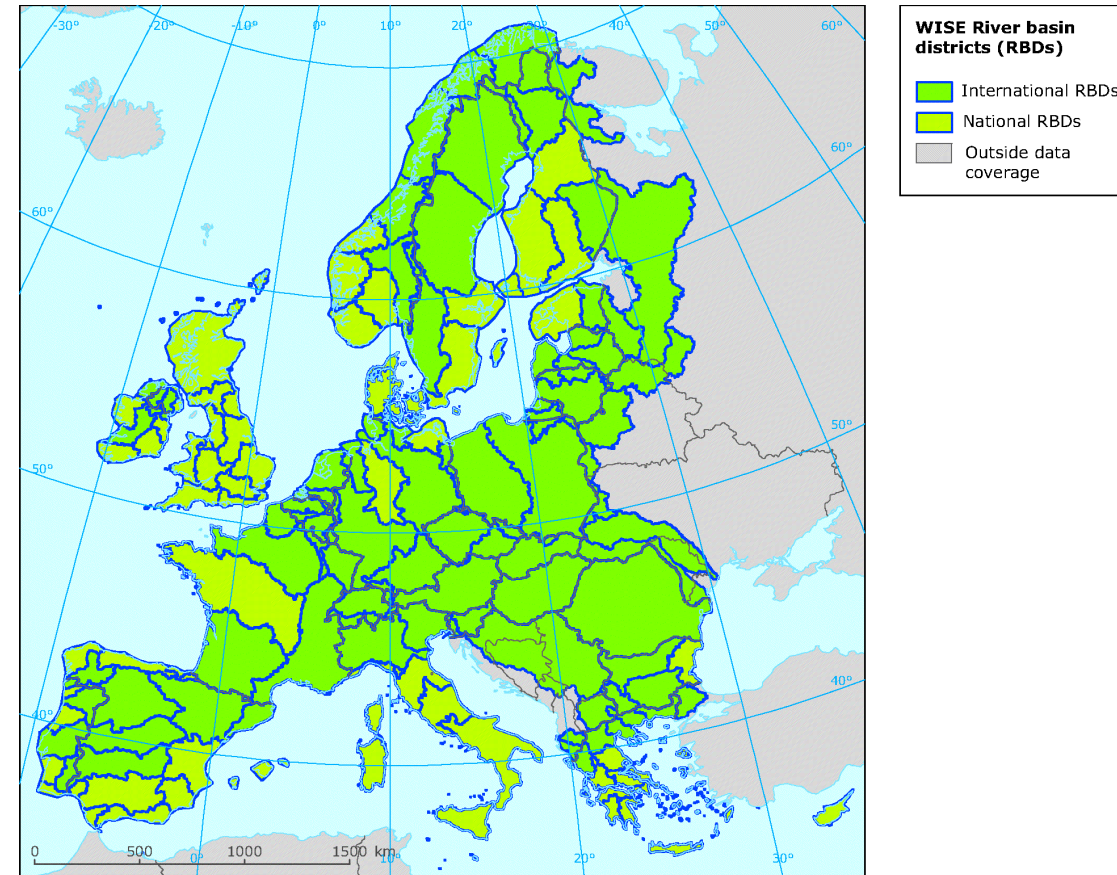
# Guidance 'River basin management in a changing climate'

- Is being updated – finalisation Dec 2023
- Table of content:
  - Projections, potential impacts
  - Policy framework
  - How to build adaptive capacity?
  - Mainstreaming water related CA
  - WFD and CA
  - FRM and CA
  - Drought management and CA
  - NBS for resilience and CA
  - Transboundary aspects of CA
  - Climate check of measures



# Transboundary cooperation

- WFD: .. *Where the use of water may have transboundary effects, the requirements for the achievement of the objectives should be coordinated for the whole of the river basin.*
- RBMPs for transboundary river basins developed jointly:
  - Danube
  - Elbe
  - Scheldt
  - Sava
  - Rhine
  - Meuse
  - Ems
  - Odra



# Thank you



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