



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

Dagmar Kaljarikova (DG ENV) &
Willem Jan Goossen (DG CLIMA)

European Commission



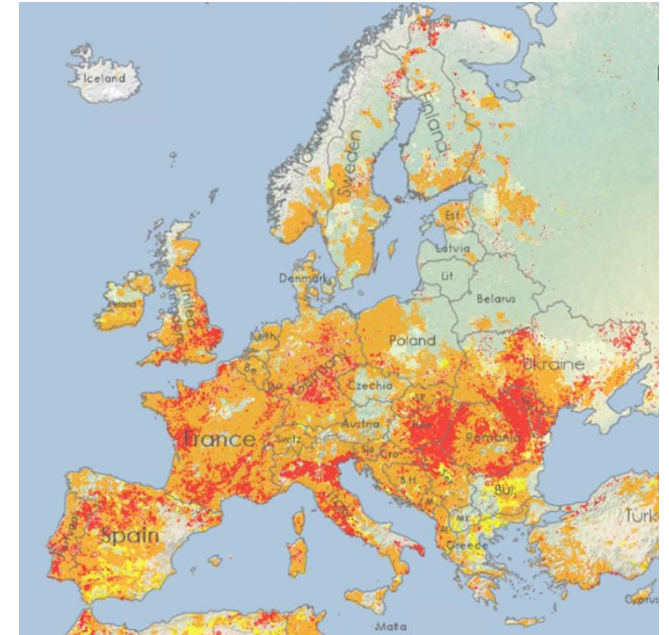
Drought & water scarcity in Europe

Current:

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

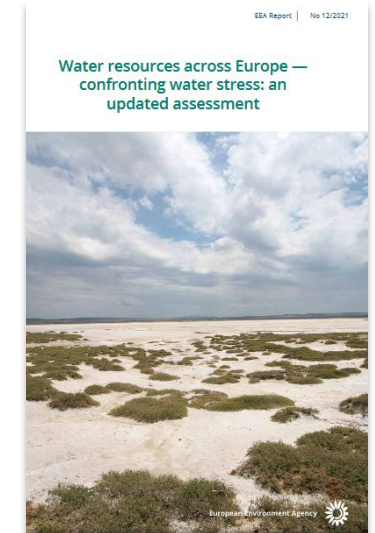
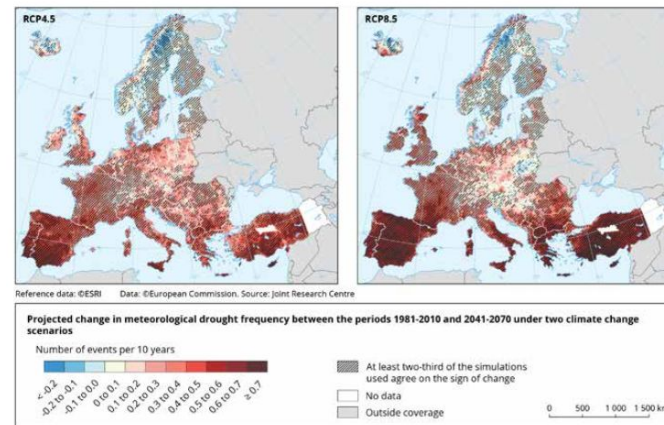
Future (+3°C)

- 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

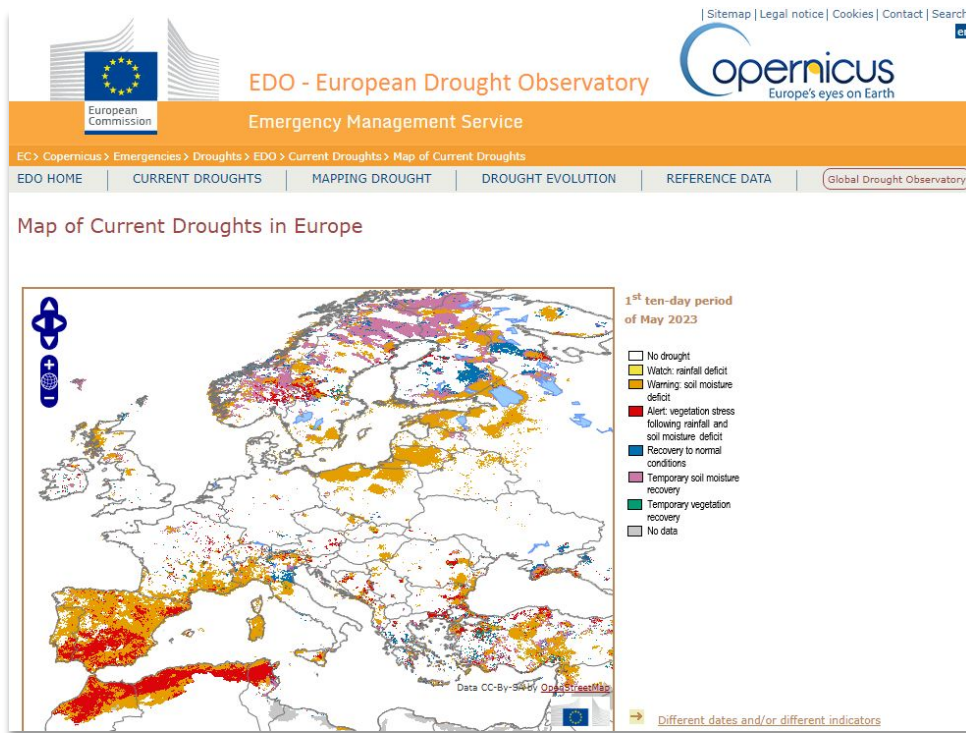


EU Strategy on Adaptation to Climate Change

- 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.

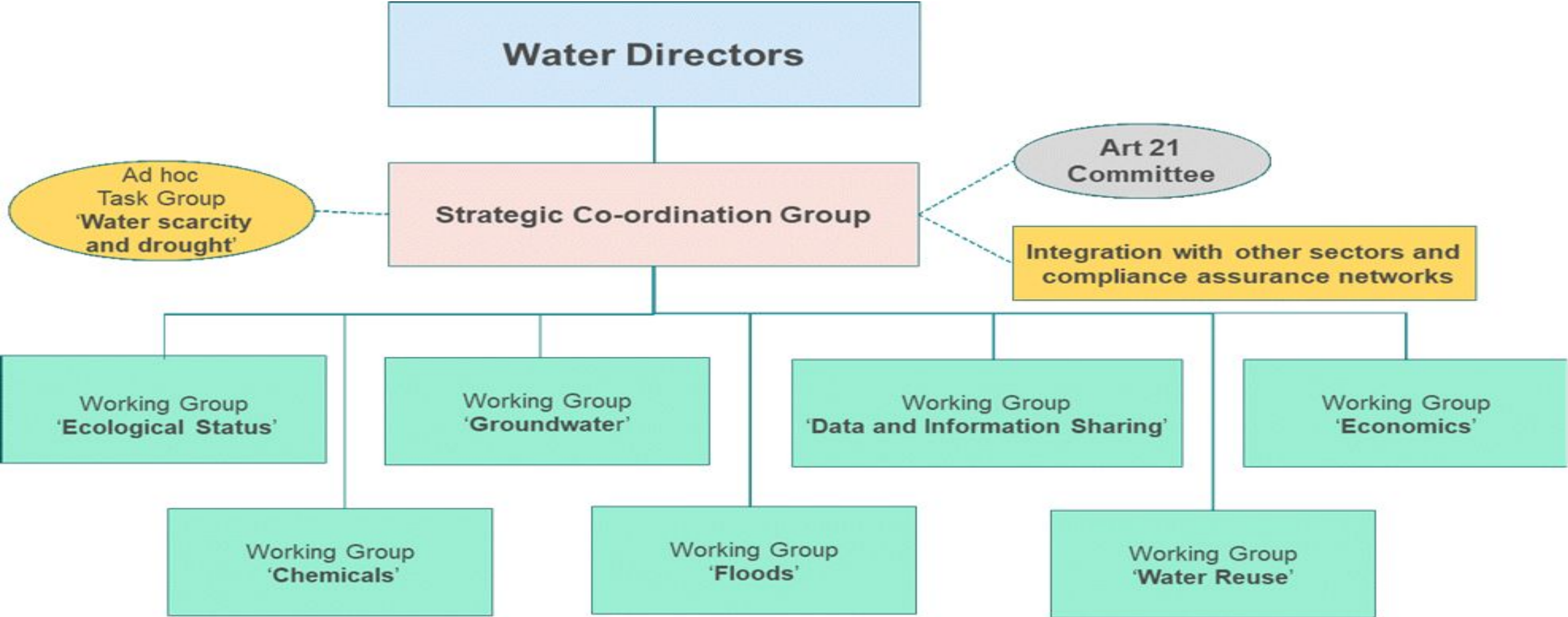
European Drought Observatory for Resilience and Adaptation (EDORA)

- 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

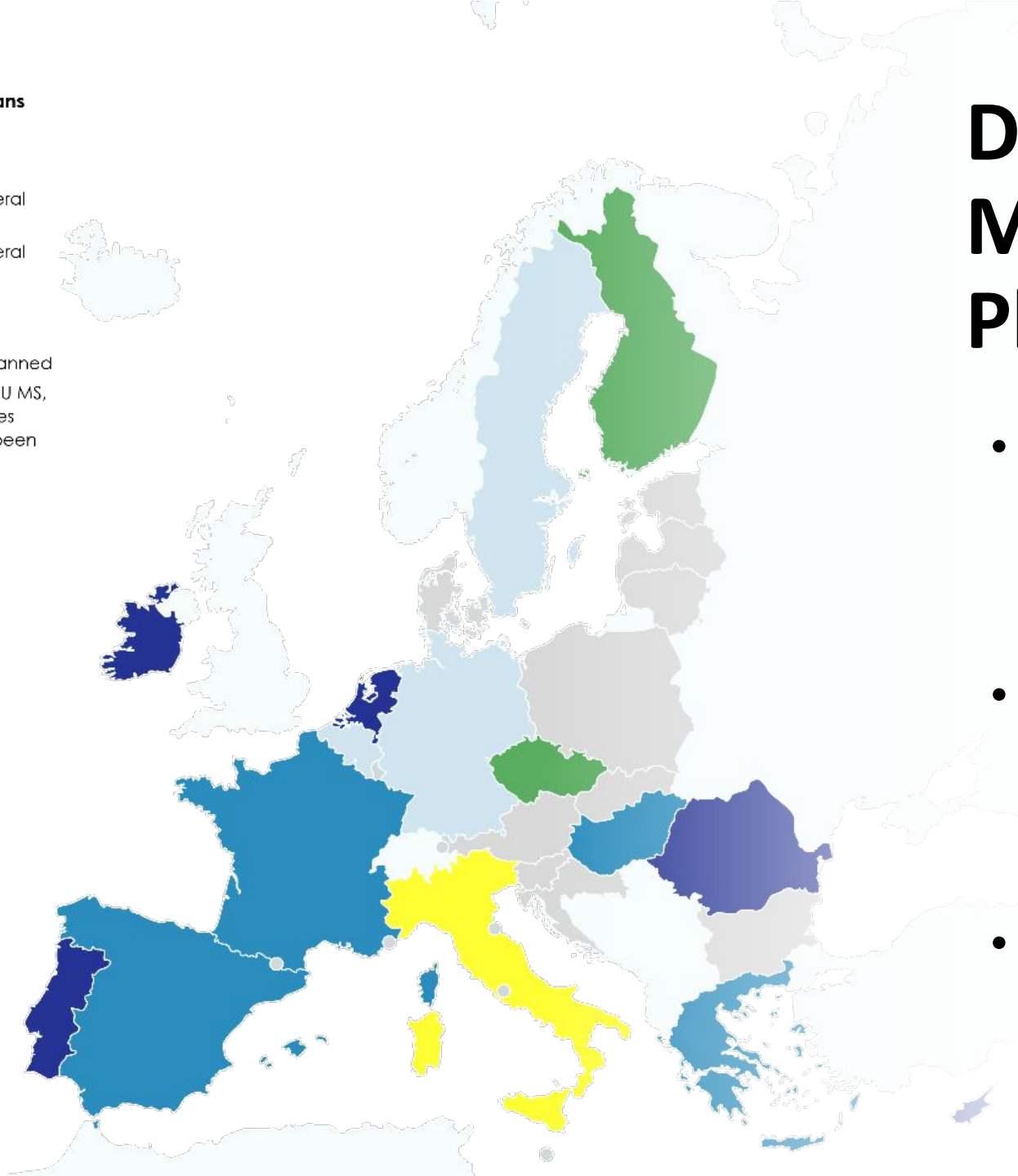


Deliverables ATG Water scarcity and droughts

- 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

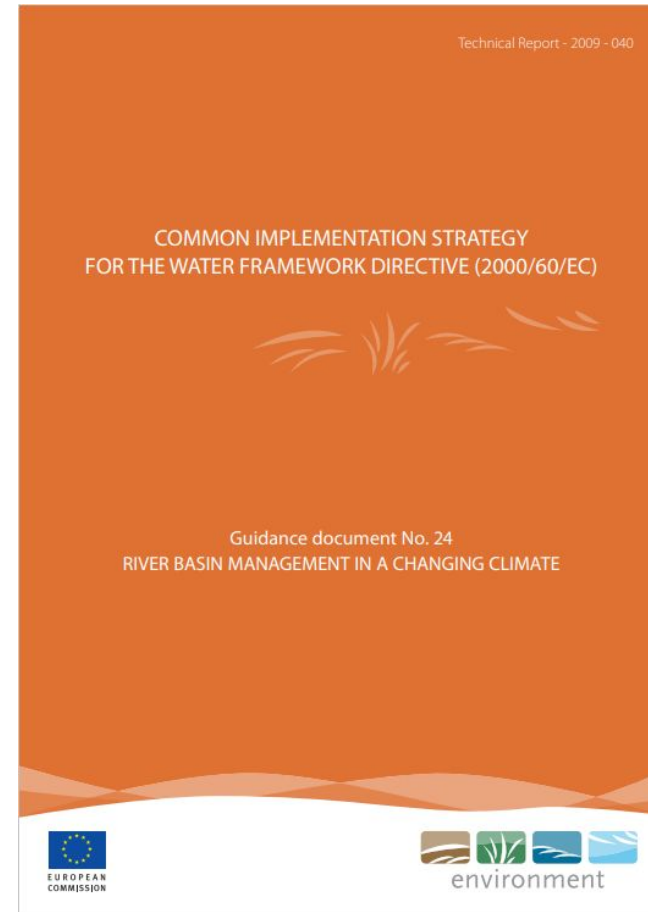


Drought Management Plans

- **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**

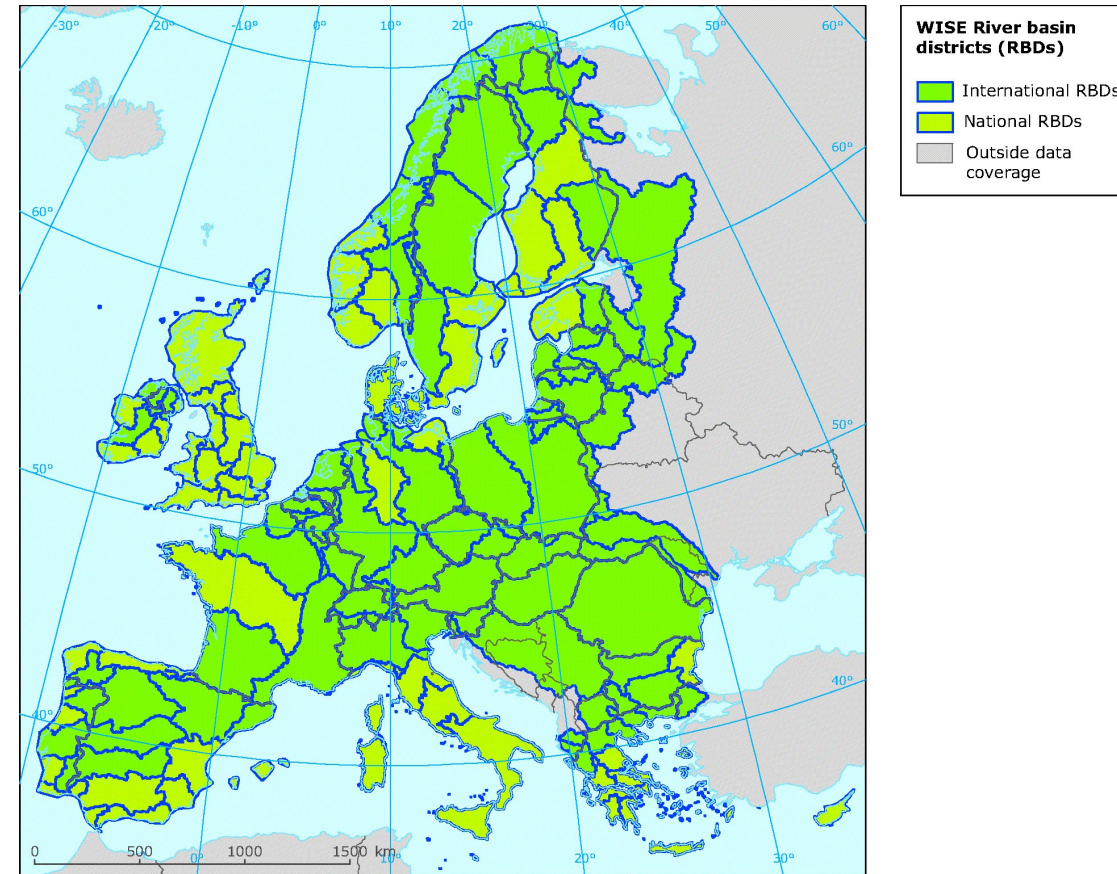
Guidance 'River basin management in a changing climate'

- 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 Rhine
 - Elbe Meuse
 - Scheldt Ems
 - Sava Odra



Thank you

Email address:  willem-jan.goossen@ec.europa.eu
dagmar.kaljarikova@ec.europa.eu

Website:  [Water \(europa.eu\)](http://Water.europa.eu)
[Adaptation to climate change \(europa.eu\)](http://Adaptationtoclimatechange.europa.eu)

