

WATER AND CLIMATE COALITION

Stefan Uhlenbrook (WMO)

Director Hydrology, Water and Cryosphere

Secretariat of the Water and Climate Coalition

DECADE OF ACTION



SDG 6 Global Acceleration Framework

Water and Climate Coalition Launched at HLPF July 2020



Recognize



Need for political
support to
integrate water and
climate agendas



Need for concrete
action and
innovative solutions



Need for data and
information to
effectively inform
decision-making

Water and Climate Coalition Solutions

LEADERS PANEL

High-level leaders to provide guidance and bring the Integrated Water and Climate Agenda to the global political arena.

MEMBERS AND ACTIVITY MARKETPLACE

A dynamic action-focused group of diverse members working together to tackle water and climate challenges.

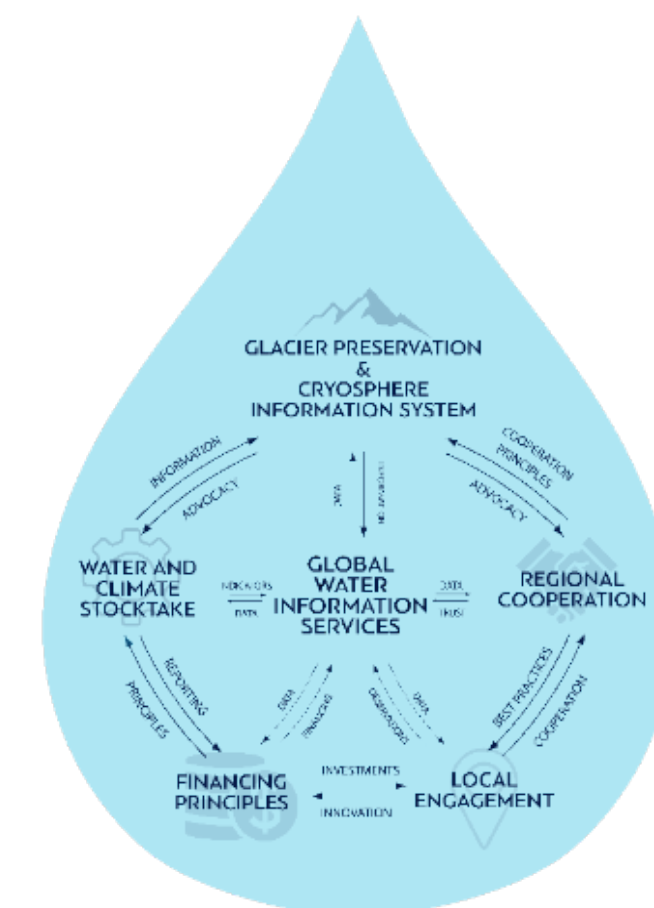
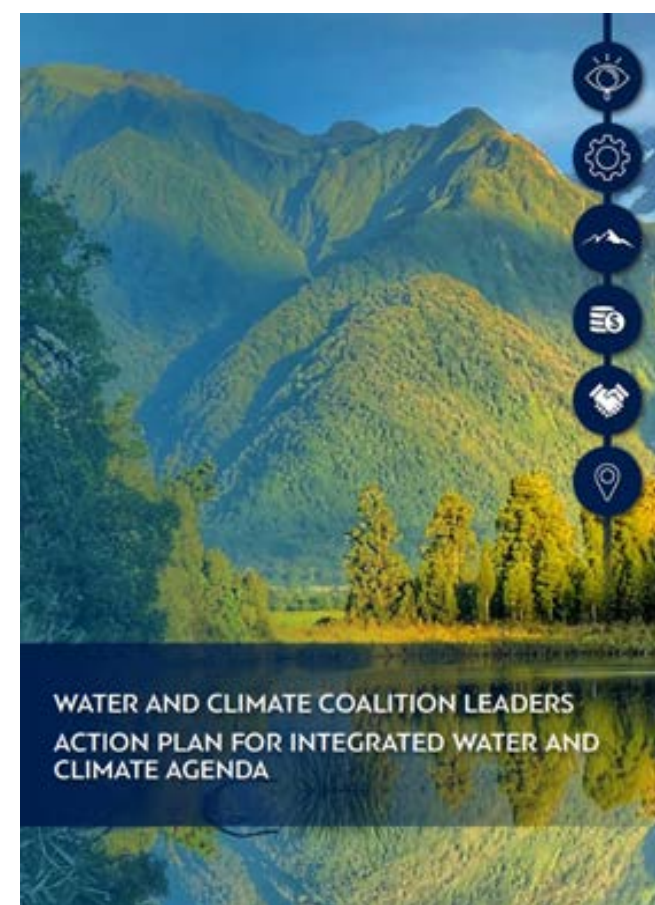
GLOBAL WATER INFORMATION SERVICES

A special focus on developing global water information services to address the data gaps for informed decision-making.

WATER AND CLIMATE LEADERS CALL FOR ACTION

- **An integrated water and climate approach**—Recognizing the role of water for informed decision-making in climate change mitigation and adaptation action.
- **International support to improve water data and information for a climate ready world**—Working together to operationalise a Global Water Information System that provides status, assessment, and outlook for smart climate and water-related decisions.
- **Partners to join us in the implementation**—Support solutions for sound decision making: a water and climate stocktake, a cryosphere information mechanism, a new financing rationale, local engagement, and river basin cooperation.
- **Recognizing the need to protect glaciers**—Understanding the role of glaciers as one of the most critical sources of freshwater and uniting forces in preserving these resources through an International Year of Glacier Preservation 2025.

https://www.water-climate-coalition.org/wcc/wp-content/uploads/2022/03/Call_for_action.pdf



MEMBERS

Founding Members



Currently, over 160 member organizations from different regions including scientific organizations, private sector, NGOs, International Organizations, governments, and civil society (multi-stakeholder platform)

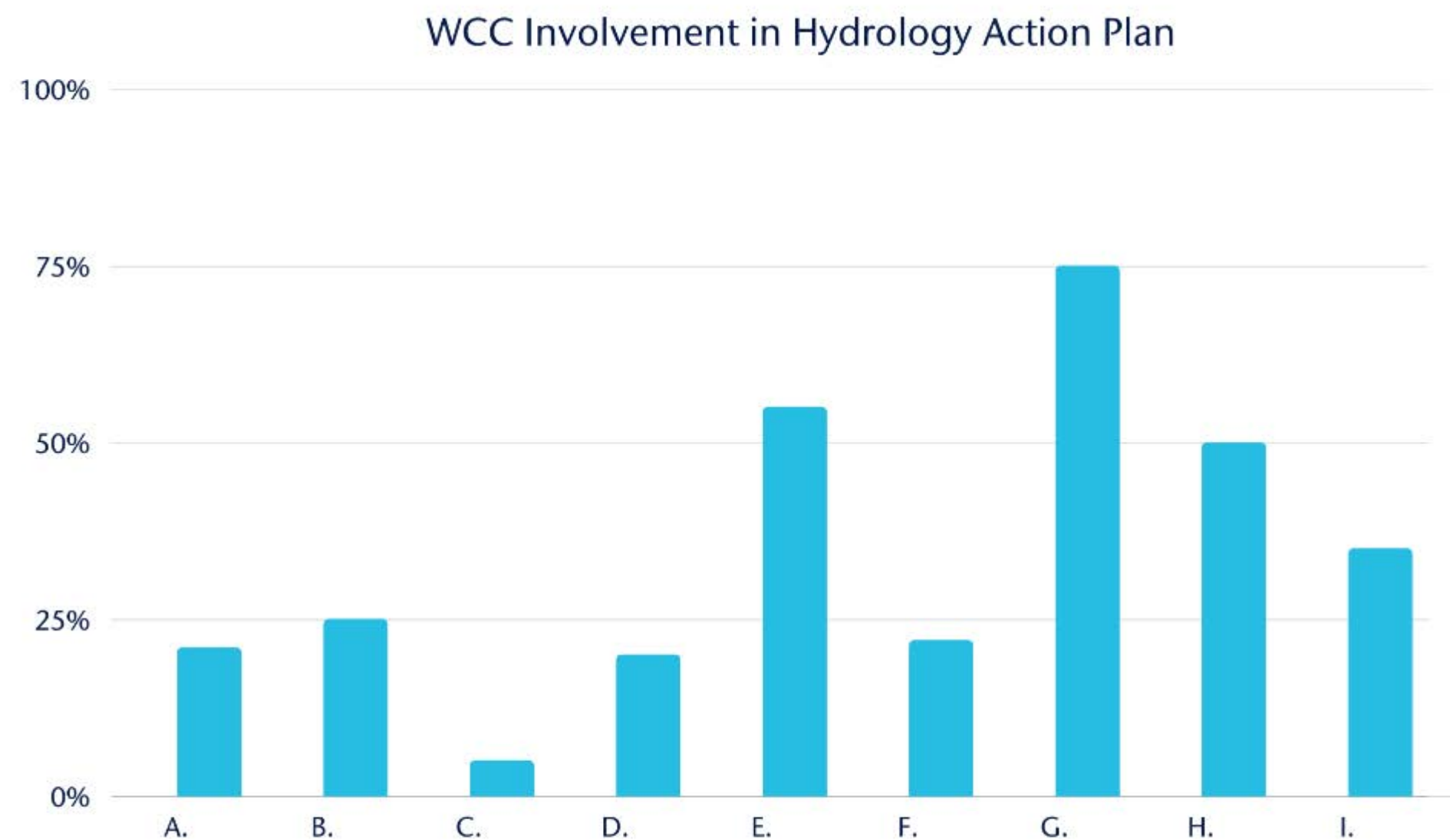
UNIFY Youth Engagement,
to support the coalition and to create a
global movement

MEMBERS ACTIVITIES

Call for Partners: WMO-UNEP Global Hydrological Operations Platform	Operational Global and Regional Hydrological Modelling Community	Resilient Adaptation to Climate Change- induced Water Scarcity in Transboundary Aquifer & Community Systems
Climate Resilient Water Resources Management - Driving the Conversation Forward	Creating Resilience Among Rural Communities: Communication Outreach and Climate Change	Water and Climate Coalition REGIONAL YOUTH FOCAL POINTS UNIFY
Water Information Sharing Exchange WISE	Human Rights- Based Water Monitoring to Improve Resilience to Climate Events	SDG 6 IWRM Support Programme activities

Events
Webinars
Workshops
Competitions
Publications
Resources
Tools

Mapping of WCC Activities in the Hydrology Action Plan



Support 41 of 134 activities (31%)

8 WMO Ambitions and a cross-cutting theme:

A. Cross-cutting issues

B. No one is surprised by a flood

C. Everyone is prepared for drought

D. Hydro-climate and meteorological data support the food security agenda

E. High-quality data supports science

F. Science provides a sound basis for operational hydrology

G. We have thorough knowledge of the water resources of our world

H. Sustainable development is supported by hydrological information

I. Water quality is known

Strengthening Global Water Information Services

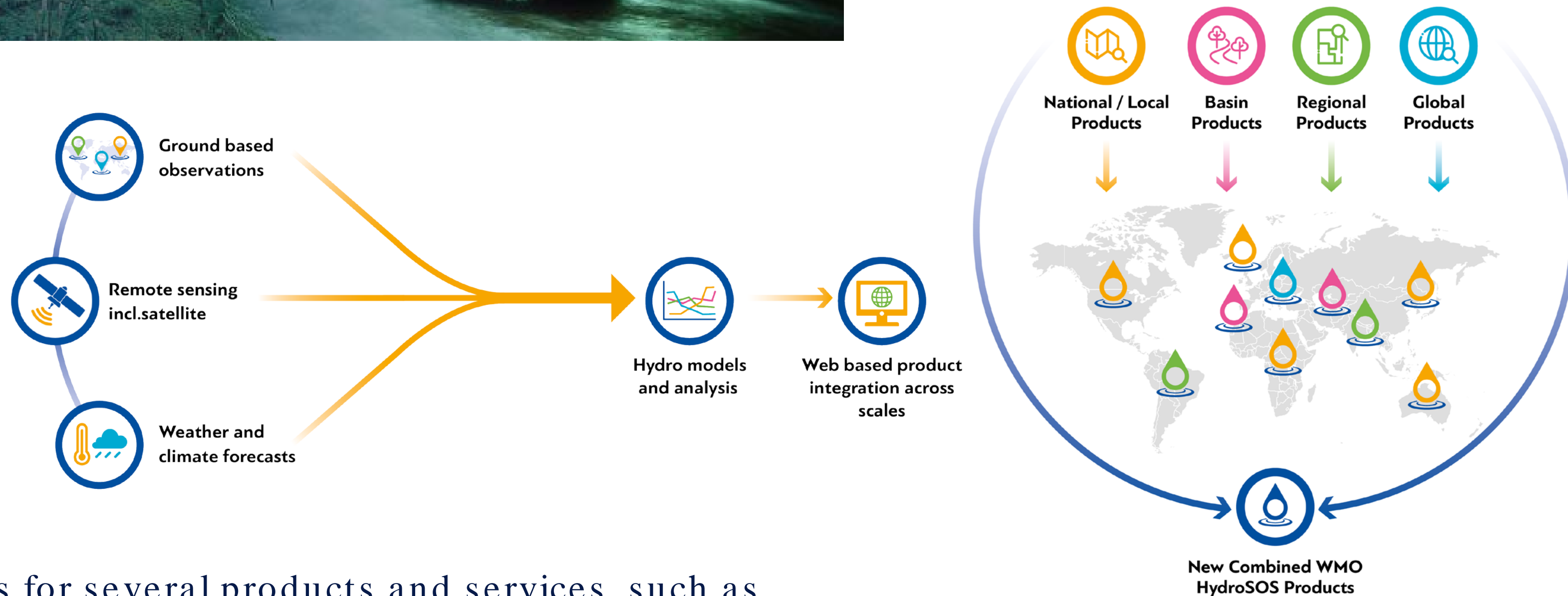
Monitoring and predicting
global hydrological
conditions for a climate
ready world.

THREE COMPONENTS:

1. HydroSOS
 2. Annual Global State of the Water Report
 3. Global Water Data Portal
-

GLOBAL WATER INFORMATION SERVICES

Monitoring and predicting global hydrological conditions for a climate ready world

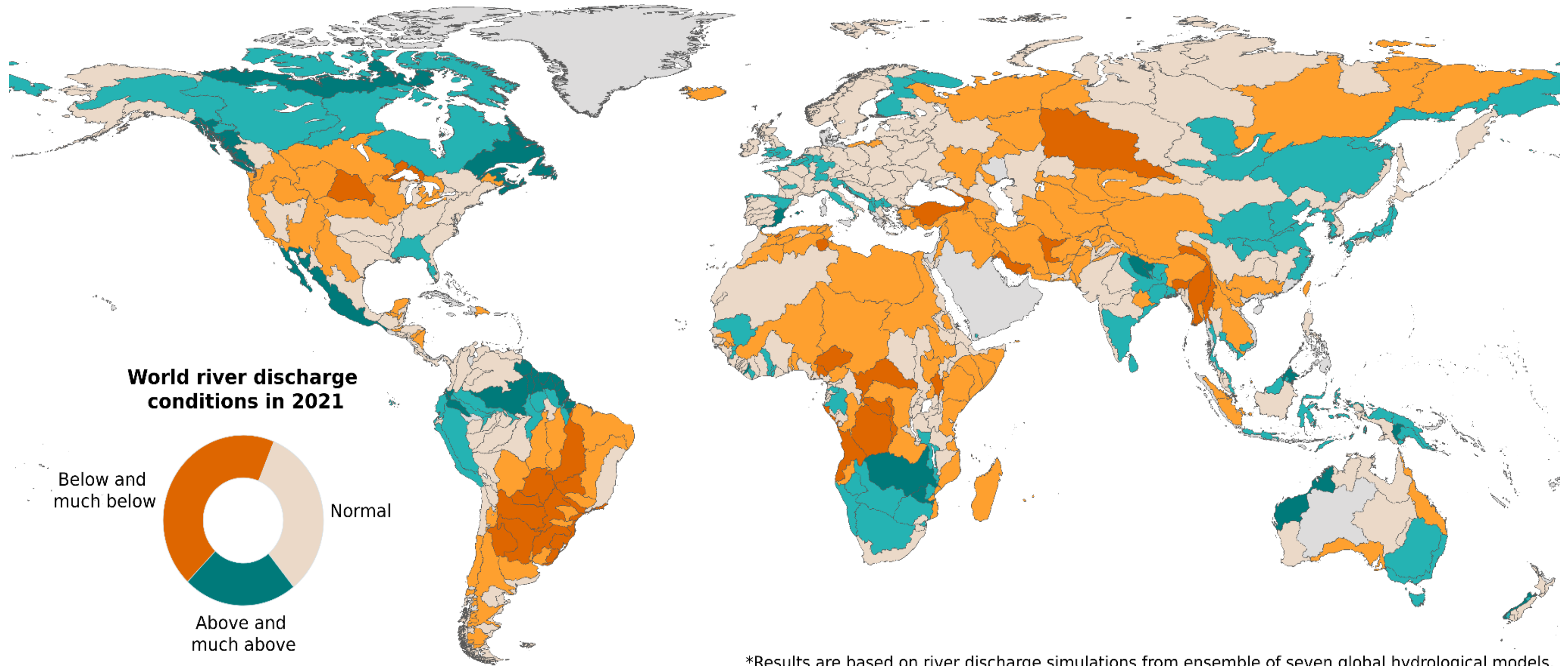


Basis for several products and services, such as

- I. The Global Hydrological Status and Outlook System (WMO's HydroSOS) – progress in several countries
- II. Annual Global State of Water Report – Pilot Report 2021 is in press
- III. Global Water Data Portal – discussions with many stakeholders

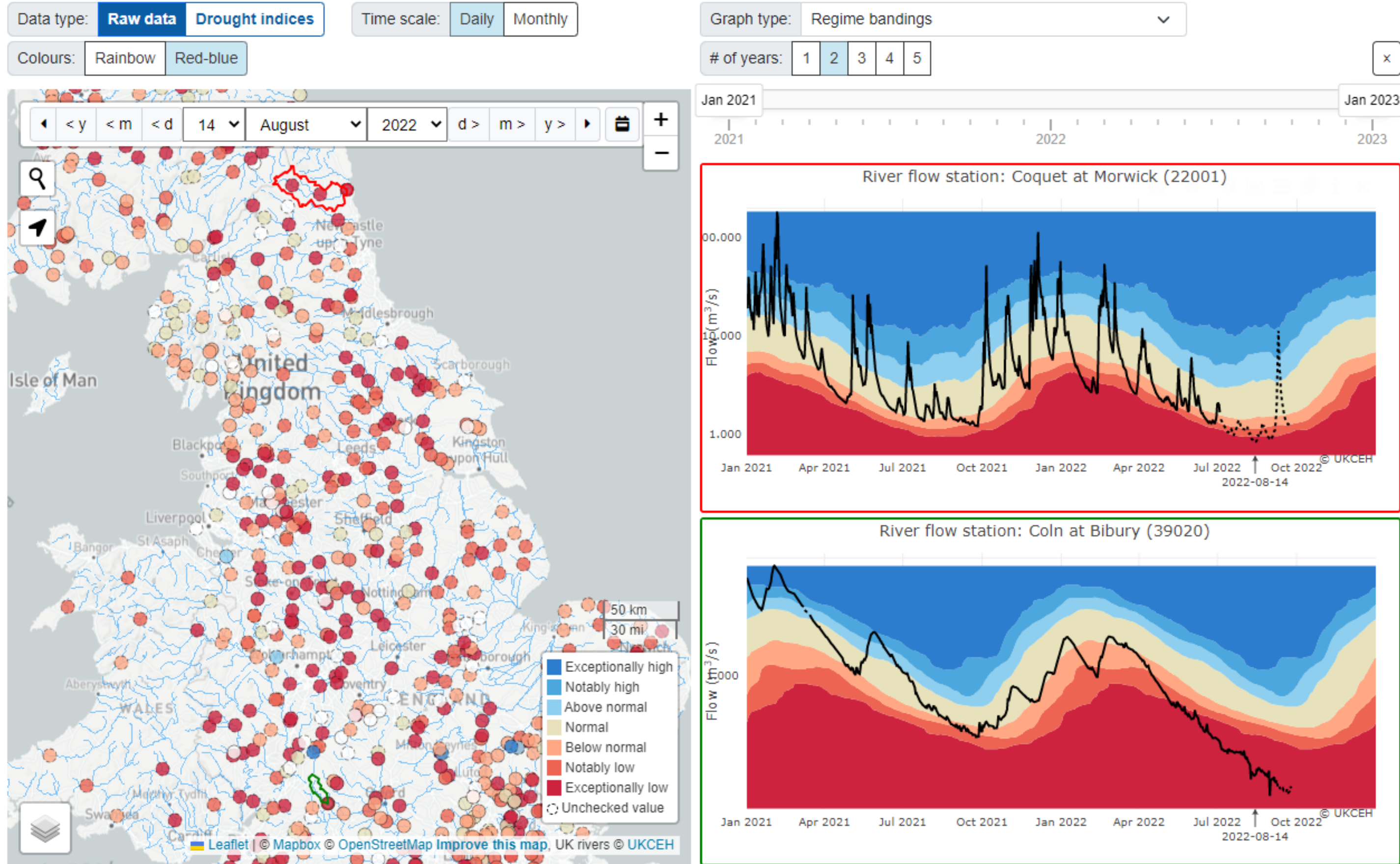
Example: Results of 1st Annual Water Report – Streamflow Trends 2021

(WMO, 2022; *in press*)



Streamflow in 2021 w.r.t. the hydrological normal for 515 basins
(calculated based on 30 years historic data, 1991-2020)

Hydrological Status



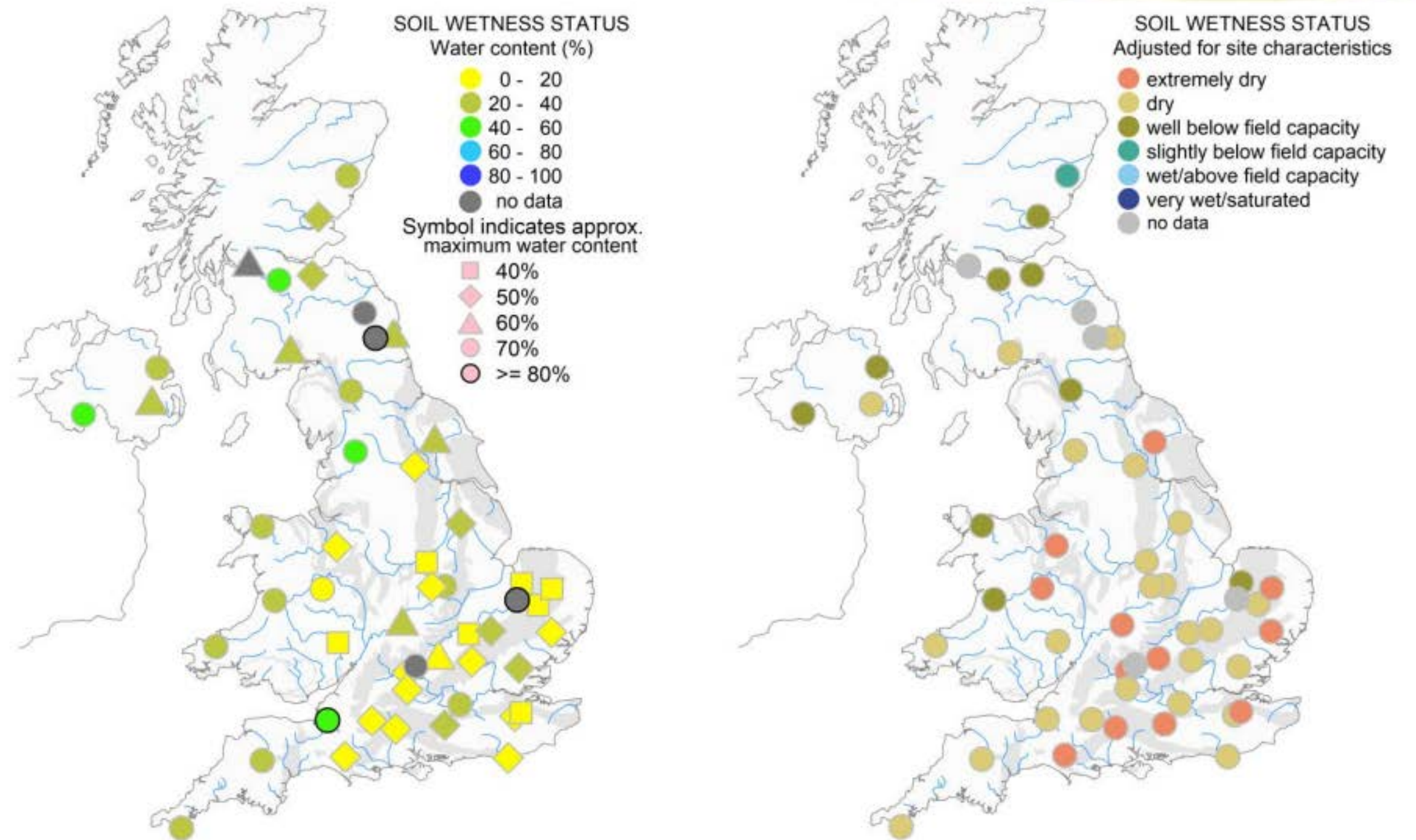
Soil Moisture Status



COSMOS-UK

soil moisture

Issued on 01 September 2022



Soil moisture on 01 September 2022 (see back page for explanatory comments).

Notes on period to 31 August 2022

At the end of August many soils across the UK are notably or extremely dry for the time of year.

Water Action is the best
answer to climate change.

JOIN THE MOVEMENT

www.water-climate-coalition.org

