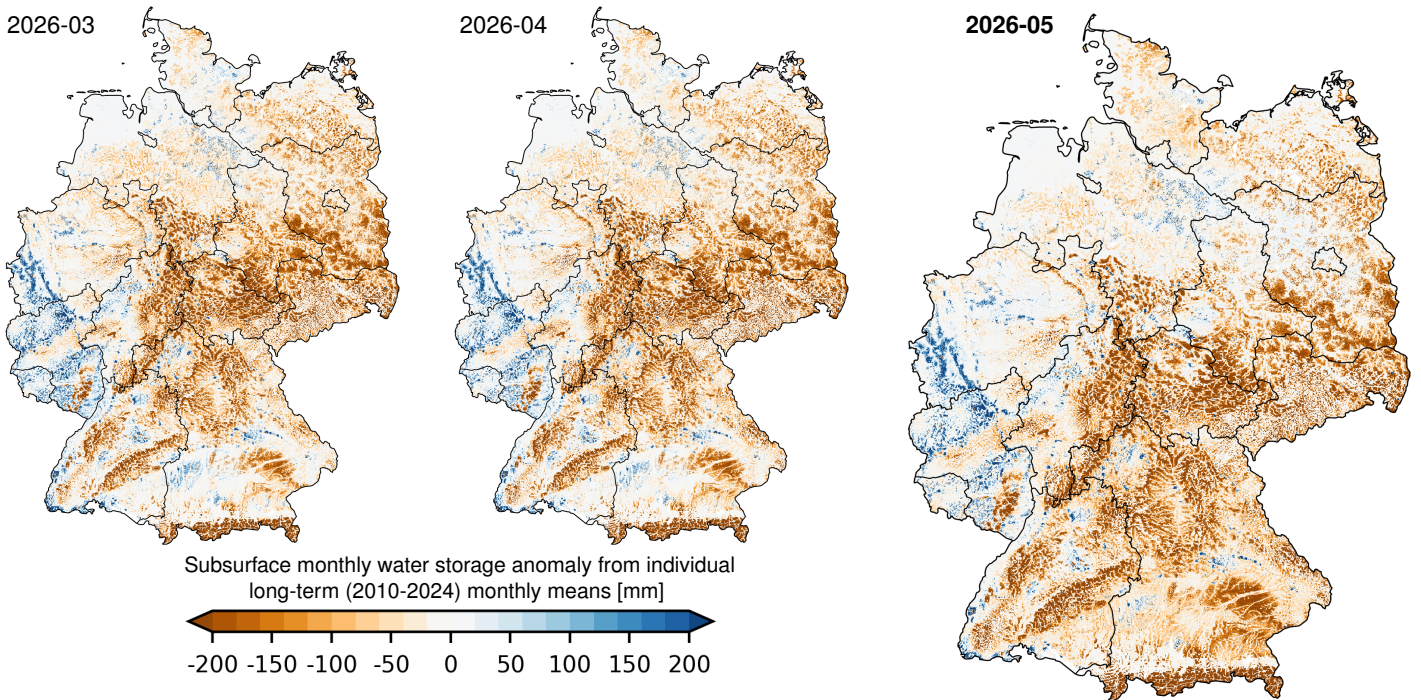
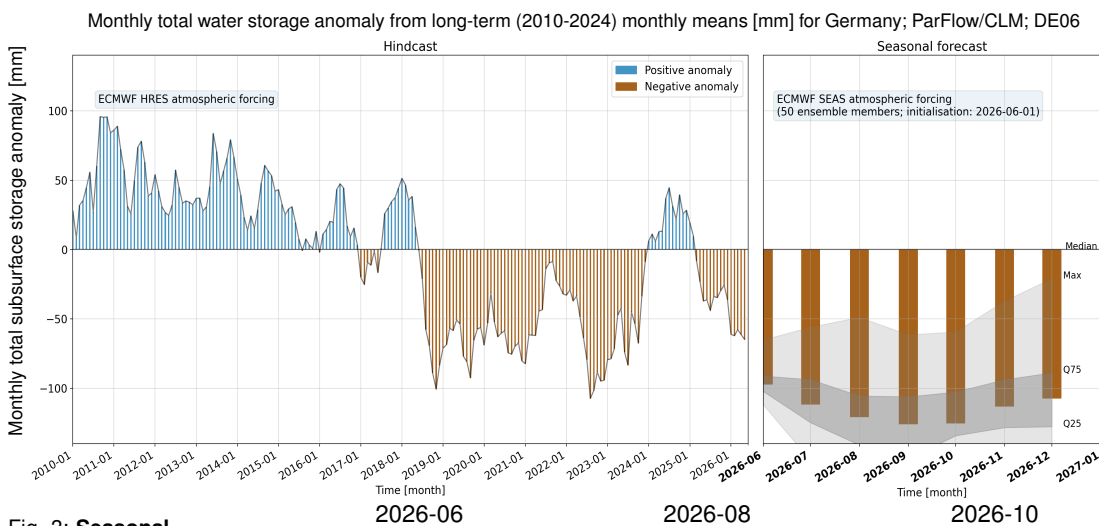


The **Forschungszentrum Jülich (FZJ) experimental water resources bulletin (eWRB)** gives a **regular seasonal update** on the **current state and the upcoming potential evolution of terrestrial near-surface water resources**. The eWRB is an open access research data product for an expert environmental sciences and stakeholder audience as well as the interested public.



**Fig. 1: Monthly anomalies of total subsurface water storage, i.e. shallow groundwater, for the past season** with respect to long-term monthly means from 2010-2024 in mm water column. With the eWRB, the total subsurface water storage includes the shallow soil zone and groundwater to a depth of 60m. Data: Hindcasts from ParFlow/CLM simulations with ECMWF HRES atmospheric forcing.

**State and possible developments:** During spring, subsurface water storage continued to decline in the south. This trend is expected to continue nationwide throughout the summer. Particularly in summer increasing deficits are expected in southern, central, and eastern Germany, exceeding 2018, 2019, 2020, and 2022 drought years. Basis: 50-member ensemble forecast from 2026-06-01.



**Fig. 3: Seasonal forecasts (2026-Jun to 2026-Dec);** mean of total subsurface water storage anomalies from 50-member ParFlow/CLM ensemble (initialized on 2026-06-01), ECMWF SEAS seasonal ensemble prediction driven. Dots: NUTS-3 level administrative regions; dot size: proportional to how many members agree in their sign.

**Fig. 2: Past evolution of monthly total subsurface water storage anomalies as spatial means for Germany** from 2010-Jan to 2026-May as simulated at 611m resolution with the ParFlow/CLM (www.parflow.org) integrated hydrological model based on daily forecasts driven by ECMWF HRES deterministic atmospheric forcing ("hindcast"), and 7-months forecast from 2026-Jun to 2026-Dec based on ECMWF SEAS 50-member ensemble ("seasonal forecast").

# FZJ Experimental Water Resources Bulletin for Germany, usage conditions and disclaimer

[www.wasser-monitor.de/bulletin](http://www.wasser-monitor.de/bulletin)

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## Updates

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Jülich, 2026-06-23