FZJ Experimental Water Resources Bulletin for Germany, Summer 2025



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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.

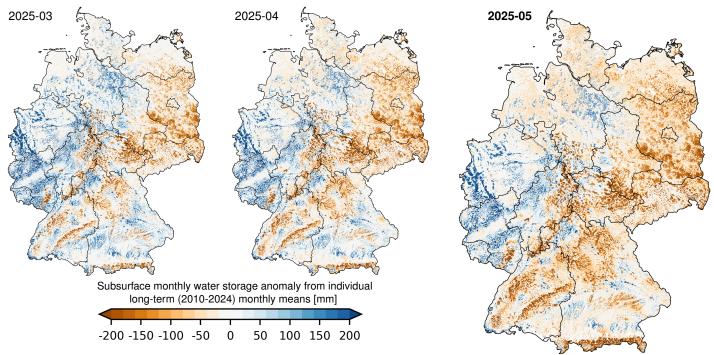
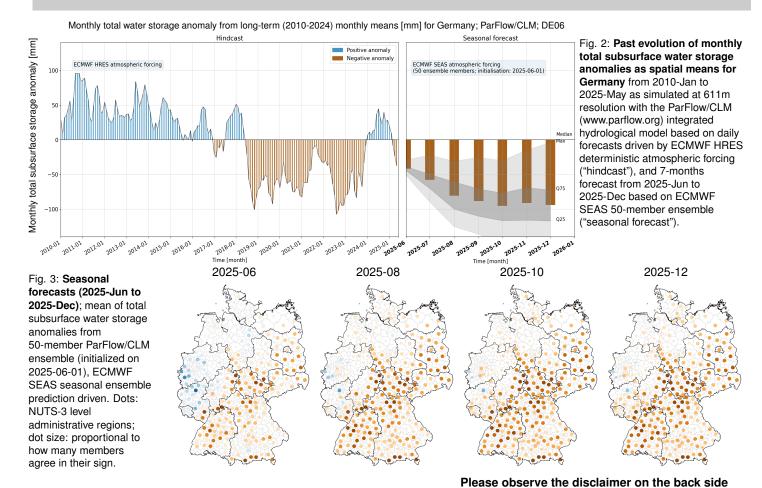


Fig. 1: Monthly anomalies of total subsurface water storage, i.e. shallow groundwater, for the past season with respect to long-term monthly means from 2010-2024 in mm water column. With the eWRB, the total subsurface water storage includes the shallow soil zone and groundwater to a depth of 60m. Data: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

State and possible developments: During Spring, subsurface water storage continued to decline, stronger than forecasted in the April 2025 eWRB. Increasing summer deficits are expected in the south, middle, and east of Germany. Nation-wide means seem comparable with simulation results for drought years 2018 and 2020. Basis: 50-member ensemble forecast from 2025-06-01.



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

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Updates

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