



Regional climate service for the Federal States of Germany

Sabrina Wehring, Andreas Walter, and Christian Steger
Deutscher Wetterdienst, Offenbach, Germany (sabrina.wehring@dwd.de)

The increasing demand for climate change information for Germany and user-friendly high resolution regional climate projections has initiated the regional climate service at Deutscher Wetterdienst (DWD), the German Meteorological Service.

Besides the development of new European simulations by various modeling groups, their integration in the EURO-CORDEX ensemble as well as their analysis, e.g. in the framework of ReKliEs-De ("Regional climate projection ensemble for Germany", <http://reklies.hlnug.de>) DWD focuses on providing user tailored regional climate projections by bias adjustment and consideration of user-specific information about regional climate change for the Federal States or Germany. For realization of such requirements we engage in dialogue with the end-users as well as partners of other government agencies. In different projects, e.g. in the past in KLIWAS ("Impacts of climate change on waterways and navigation – Searching for options of adaptation", <http://www.kliwas.de>) and currently Expertennetzwerk ("Impacts of climate change on transport and infrastructure", <https://www.expertennetzwerk-bmvi.de/>), we use the expertise to establish a permanent climate service.

To give an overview of our work we will present some results from the regional climate projections ensemble for Germany. In addition we will provide an outlook how we communicate these information for end-users.