

1. Record Nr.	UNINA9910347053803321
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Titolo	Vorhersagbarkeit konvektiver Niederschläge: Hochauflösende Ensemblesimulationen für Westafrika
Pubbl/distr/stampa	KIT Scientific Publishing, 2014
ISBN	1000039449
Descrizione fisica	1 electronic resource (319 p. p.)
Collana	Wissenschaftliche Berichte des Instituts für Meteorologie und Klimaforschung des Karlsruher Instituts für Technologie
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	During the West African Monsoon, convective systems generate the largest part of annual precipitation. We investigate their predictability by conducting high-resolution ensemble simulations with the COSMO model, focusing on the impact of the land surface. Are land-surface – atmosphere interactions in West Africa as important for precipitation forecasts as larger-scale conditions? What are the main physical processes?