

1. Record Nr.	UNINA9910347057903321
Autore	Zeng Yuefei
Titolo	Efficient Radar Forward Operator for Operational Data Assimilation within the COSMO-model
Pubbl/distr/stampa	KIT Scientific Publishing, 2013
ISBN	1000036921
Descrizione fisica	1 electronic resource (XI, 235 p. p.)
Collana	Wissenschaftliche Berichte des Instituts für Meteorologie und Klimaforschung des Karlsruher Instituts für Technologie
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Doppler radars provide unique 3D information about precipitating clouds in high spatial and temporal resolutions. However, the observed quantities (reflectivity, Doppler velocity and polarization properties) are not directly comparable to the variables of numerical prediction models. In order to enable radar data assimilation, a comprehensive modular radar forward operator has been developed.