



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Institute for Atmospheric and Climate Science
ETH Zürich
Universitätsstr. 16, CHN
8092 Zürich

KOLLOQUIUM FÜR ATMOSPHERE UND KLIMA

Detlev Majewski

Head Numerical Modeling Section
German Weather Service (DWD), Offenbach

Challenges for Operational Numerical Weather Prediction at Deutscher Wetterdienst

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In the last 60 years, improvements of the operational numerical weather prediction systems at national meteorological services have been closely linked to theoretical advances, major international field experiments and to the simultaneous progress in observing techniques, numerical methods, subgrid scale physical parameterizations, data assimilation methods, post-processing and high performance computing systems. The presentation highlights the main challenges and key strategic decisions for operational numerical weather prediction at Deutscher Wetterdienst during the next decade.