

List of COSMO Newsletters and Technical Reports

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COSMO Newsletters

- No. 1: February 2001.
- No. 2: February 2002.
- No. 3: February 2003.
- No. 4: February 2004.
- No. 5: April 2005.
- No. 6: July 2006; Proceedings from the COSMO General Meeting 2005.
- No. 7: May 2008; Proceedings from the COSMO General Meeting 2006.
- No. 8: August 2008; Proceedings from the COSMO General Meeting 2007.
- No. 9: December 2008; Proceedings from the COSMO General Meeting 2008.
- No.10: January 2010; Proceedings from the COSMO General Meeting 2009.
- No.11: February 2011; Proceedings from the COSMO General Meeting 2010.
- No.12: March 2012; Proceedings from the COSMO General Meeting 2011.
- No.13: April 2013; Proceedings from the COSMO General Meeting 2012.
- No.14: April 2014; Proceedings from the COSMO General Meeting 2013.
- No.15: July 2015; Proceedings from the COSMO General Meeting 2014.
- No.16: June 2016; Proceedings from the COSMO General Meeting 2015.
- No.17: July 2017; Proceedings from the COSMO General Meeting 2016.
- No.18: November 2018; Proceedings from the COSMO General Meeting 2017.

COSMO Technical Reports

- No. 1: Dmitrii Mironov and Matthias Raschendorfer (2001):
Evaluation of Empirical Parameters of the New LM Surface-Layer Parameterization Scheme. Results from Numerical Experiments Including the Soil Moisture Analysis.
- No. 2: Reinhold Schrodin and Erdmann Heise (2001):
The Multi-Layer Version of the DWD Soil Model TERRA_LM.
- No. 3: Günther Doms (2001):
A Scheme for Monotonic Numerical Diffusion in the LM.
- No. 4: Hans-Joachim Herzog, Ursula Schubert, Gerd Vogel, Adelheid Fiedler and Roswitha Kirchner (2002):
LLM — the High-Resolving Nonhydrostatic Simulation Model in the DWD-Project LITFASS. Part I: Modelling Technique and Simulation Method.
- No. 5: Jean-Marie Bettems (2002):
EUCOS Impact Study Using the Limited-Area Non-Hydrostatic NWP Model in Operational Use at MeteoSwiss.
- No. 6: Heinz-Werner Bitzer and Jürgen Steppeler (2004):
Description of the Z-Coordinate Dynamical Core of LM.
- No. 7: Hans-Joachim Herzog, Almut Gassmann (2005):
Lorenz- and Charney-Phillips vertical grid experimentation using a compressible nonhydrostatic toy-model relevant to the fast-mode part of the 'Lokal-Modell'
- No. 8: Chiara Marsigli, Andrea Montani, Tiziana Paccagnella, Davide Sacchetti, André Walser, Marco Arpagaus, Thomas Schumann (2005):
Evaluation of the Performance of the COSMO-LEPS System
- No. 9: Erdmann Heise, Bodo Ritter, Reinhold Schrodin (2006):
Operational Implementation of the Multilayer Soil Model
- No. 10: M.D. Tsyrlunikov (2007):
Is the particle filtering approach appropriate for meso-scale data assimilation?

- No. 11: Dmitrii V. Mironov (2008):
Parameterization of Lakes in Numerical Weather Prediction. Description of a Lake Model.
- No. 12: Adriano Raspanti (2009):
Final report on priority project VERSUS (VERification System Unified Survey).
- No. 13: Chiara Mirsigli (2009):
Final report on priority project SREPS (Short Range Ensemble Prediction System).
- No. 14: Michael Baldauf (2009):
COSMO Priority Project "Further Developments of the Runge-Kutta Time Integration Scheme" (RK); Final Report.
- No. 15: Silke Dierer (2009):
COSMO Priority Project "Further Developments of the Runge-Kutta Time Integration Scheme" (RK); Final Report.
- No. 16: Pierre Eckert (2009):
COSMO Priority Project "INTERP"; Final Report.
- No. 17: D. Leuenberger, M. Stoll, A. Roches (2010):
Description of some convective indices, implemented in the COSMO model.
- No. 18: Daniel Leuenberger (2010):
Statistical Analysis of high-resolution COSMO Ensemble forecasts, in view of Data Assimilation.
- No. 19: A. Montani, D. Cesari, C. Marsigli, T. Paccagnella (2010):
Seven years of activity in the field of mesoscale ensemble forecasting by the COSMO-LEPS system: main achievements and open challenges.
- No. 20: A. Roches, O. Fuhrer (2012):
Tracer module in the COSMO model.
- No. 21: M. Baldauf (2013):
A new fast-waves solver for the Runge-Kutta dynamical core.
- No. 22: C. Marsigli, T. Diomede, A. Montani, T. Paccagnella, P. Louka, F. Gofa, A. Corigliano (2013):
The CONSENS Priority Project.
- No. 23: M. Baldauf, O. Fuhrer, M. J. Kurowski, G. de Morsier, M. Muellner, Z. P. Piotrowski, B. Rosa, P. L. Vitagliano, D. Wojcik, M. Ziemianski (2013):
The COSMO Priority Project 'Conservative Dynamical Core' Final Report.
- No. 24: A. K. Miltenberger, A. Roches, S. Pfahl, H. Wernli (2014):
Online Trajectory Module in COSMO: A short user guide.
- No. 25: P. Khain, I. Carmona, A. Voudouri, E. Avgoustoglou, J.-M. Bettens, F. Grazzini (2015):
The Proof of the Parameters Calibration Method: CALMO Progress Report.
- No. 26: D. Mironov, E. Machulskaya, B. Szintai, M. Raschendorfer, V. Perov, M. Chumakov, E. Avgoustoglou (2015):
The COSMO Priority Project 'UTCS' Final Report.
- No. 27: Jean-Marie Bettens (2015):
The COSMO Priority Project 'COLOBOC' Final Report.
- No. 28: Ulrich Blahak (2016):
RADAR_MIE_LM and RADAR_MIELIB - Calculation of Radar Reflectivity from Model Output.
- No. 29: M. Tsyruulnikov, D. Gayfulin (2016):
A Stochastic Pattern Generator for ensemble applications.
- No. 30: Dmitrii Mironov, Ekaterina Machulskaya (2017):
A Turbulence Kinetic Energy - Scalar Variance Turbulence Parameterization Scheme.
- No. 31: P. Khain, I. Carmona, A. Voudouri, E. Avgoustoglou, J.-M. Bettens, F. Grazzini, P. Kaufmann (2017):
CALMO - Progress Report.
- No. 32: A. Voudouri, P. Khain, I. Carmona, E. Avgoustoglou, J.M. Bettens, F. Grazzini, O. Bellprat, P. Kaufmann and E. Buchignani (2017):
Calibration of COSMO Model, Priority Project CALMO Final report.
- No. 33: Naim Vela (2017):
V.A.S.T. (Versus Additional Statistical Techniques) User Manual (v2.0).
- No. 34: C. Marsigli, D. Alferov, M. Arpagaus, E. Astakhova, R. Bonanno, G. Duniec, C. Gebhardt, W. Interewicz, N. Loglisci, A. Mazur, V. Maurer, A. Montani, A. Walser (2018):
COSMO Towards Ensembles at the Km-scale IN Our countries" (COTEKINO), Priority Project final report.

- No. 35: G. Rivin, I. Rozinkina, E. Astakhova, A. Montani, D. Alferov, M. Arpagaus, D. Blinov, A. Bundel, M. Chumakov, P. Eckert, A. Euripides, J. Foerstner, J. Helmert, E. Kazakova, A. Kirsanov, V. Kopeikin, E. Kukanova, D. Majewski, C. Marsigli, G. de Morsier, A. Muravev, T. Paccagnella, U. Schaettler, C. Schraff, M. Shatunova, A. Shcherbakov, P. Steiner, M. Zaichenko (2017):
The COSMO Priority Project CORSO Final Report.