

Table of Contents

Editorial	1
<i>Marco Arpagaus</i>	1
1 Working Group on Data Assimilation	3
The effects of T2m assimilation on surface fluxes in COSMO-I2	
<i>M. Galli, M. Milelli, C. Cassardo, M. Giorcelli</i>	3
Bias Correction of Humidity Measurements by Radio Sondes of Vaisala RS 92	
<i>K. Stephan, C. Schraff</i>	22
LETKF for the nonhydrostatic regional model COSMO-DE	
<i>H. Reich, A. Rhodin, C. Schraff</i>	27
2 Working Group on Physical Aspects	32
Introducing a sea ice scheme in the COSMO model	
<i>J.-P. Schulz</i>	32
Testing of Snow Parameterization Schemes in COSMO-Ru: Analysis and Results	
<i>E.Kazakova, I.Rozinkina</i>	41
Preliminary results with very high resolution COSMO model for the forecast of convective events	
<i>A. Morgillo</i>	52
Various Implementations of a Statistical Cloud Scheme in COSMO model	
<i>E. Avgoustoglou</i>	61
COLOBOC - MOSAIC parameterization in COSMO model v. 4.8	
<i>G. Duniec, A. Mazur</i>	69
3 Working Group on Verification and Case Studies	82
20th of July 2007 tornado - towards prediction	
<i>J. Parfiniewicz</i>	82
Seasonal and monthly verification of COSMO_PL	
<i>J. Linkowska, K. Starosta</i>	89
Analysing mesoscale structures using the COSMO numerical weather forecast, case study - 9 Oct. 2010	
<i>A. Iriza, C. Barbu, R. Dumitrache, B. Maco, M. Bogdan</i>	96
4 Working Group on Predictability and Ensemble Methods	104
Increase of COSMO-LEPS horizontal resolution and its impact on the probabilistic prediction of precipitation events	
<i>A. Montani, C. Marsigli, T. Paccagnella</i>	104
A study on the spread/error relationship of the COSMO-LEPS ensemble	
<i>M. Salmi, C. Marsigli, A. Montani, T. Paccagnella</i>	110
Initial condition perturbations for the COSMO-DE-EPS	
<i>C. Peralta and M. Buchhold</i>	115
Upscaled and fuzzy probabilistic forecasts: verification results	
<i>Z. B. Bouallègue</i>	124

5 Climatic Local area Modeling Community	133
Evaluation of Central European and Eastern Alpine seasonal climate simulated with CCLM: double nesting vs. direct forcing techniques <i>G. Georgievski, K. Keuler, A. Will and K. Radtke</i>	133
Appendix: List of COSMO Newsletters and Technical Reports	143