

Table of Contents

Editorial	1
<i>Michał Ziemiański</i>	1
1 Working Group on Data Assimilation	3
Experiencing 1D-Var+nudging technique in the COSMO model <i>V. Poli, T. Paccagnella, P. P. Alberoni, D. Cesari, P. Patruno</i>	3
Performance comparison of two COSMO-I2 implementations <i>M. Giorcelli, N. Vela, M. Milelli, E. Oberto, C. Cassardo, M. Galli</i>	13
2 Working Group on Physical Aspects: Upper Air	19
First COSMO-E Experiments with the Stochastically Perturbed Parametrization Tendencies (SPPT) Scheme <i>D. Maurer, A. Walser, M. Arpagaus</i>	19
Diagnosis of Turbulence Schema in Stable Atmospheric Conditions and Sensitivity Tests <i>I. Cerenzia, F. Tampieri, M. S. Tesini</i>	28
3 Working Group on Physical Aspects: Soil and Surface	37
Initial fields of snow cover characteristics preparation for COSMO-Ru <i>E. Kazakova, M. Chumakov, I. Rozinkina</i>	37
Experiments in soil physics – case study <i>G. Duniec, A. Mazur</i>	43
4 Working Group on Interpretation and Applications	54
First results of simulations with COSMO-1_ITA and comparison of results with COSMO configurations at different resolutions <i>M. P. Manzi, P. Mercogliano, M. Milelli</i>	54
Between forecasting and nowcasting strong convective events <i>J. Parfiniewicz</i>	69
5 Working Group on Implementation and Reference Version	70
COSMO in Single Precision <i>S. Rüdisühli, A. Walser, and O. Fuhrer</i>	70
6 Working Group on Predictability and Ensemble Methods	88
Ensemble forecasting for Sochi-2014 Olympics: the COSMO-based ensemble pre- diction systems <i>A. Montani, D. Alferov, E. Astakhova, C. Marsigli, T. Paccagnella</i>	88

A sensitivity test to assess the impact of different soil moisture initializations on short range ensemble variability in COSMO model <i>R. Bonanno, N. Loghisci</i>	95
COTEKINO Priority Project – Results of Sensitivity Tests <i>G. Duniec, A. Mazur</i>	106
Appendix: List of COSMO Newsletters and Technical Reports	114