Third Meeting of the Council of the South East European Consortium For Operational weather Prediction (SEECOP)

23 October 2017, Belgrade, Serbia

Workshop on the Use of the NMMB Atmospheric Model for Weather Prediction in the South East Europe (SEEWEATHER)

23-27 October 2017, Belgrade, Serbia

PRELIMINARY AGENDA

Monday, 23 October 2017	
Third SEECOP Council Session (morning session)	
9:00-9:10	Welcome address by Prof dr Jugoslav Nikolić, RHMSS Director
9:10-9:30	Short report about SEECOP activities between two Council Sessions, S.Ničković
9:30-10:30	Country reports – achievements between two meetings
10:30-11.00	*Coffee break*
11:00-11.30	Discussions and suggestions for future SEECOP activities, new member applications, and other business
11:30-12.30	Presentation by Prof dr Zaviša Janjić – NMMB achievements and future devolpment plans
12:30-14:00	*Lunch break*
Workshop on the Use of the NMMB Atmospheric Model for Weather Prediction in the South East Europe (SEEWEATHER)	
14:00-17:30	Lectures • Installation of libraries, NMMB, NPS, and UPP
15:00-15:30	*Coffee break*
15:30-17:30	Lectures • Installation of libraries, NMMB, NPS, and UPP-continuation
19:00-22.00	*Joint dinner*
Tuesday, 24 October 2017	
9:00-10:30	**Lectures** Preprocessing (*S. Petković, B. Kašić, B. Cvetković, A. Marčev*...) (tbd)
10:30-11:00	*Coffee break*

11:00-12:30	• Assimilation (*B. Kašić*)
12:30-14:00	*Lunch break*
14:00-15:00	**Training session** ▪ Regional model running on B.C. from GFS and NMMB-global
15:00-15:30	*Coffee break*
15:30-17:30	▪ Regional model running on B.C. from GFS and NMMB-global
Wednesday, 25 October 2017	
9:00-10:30	**Lectures** NMM Dynamic Solver (*Z. Janjić*) • Basic Principles • Equations / Variables • Model Integration • Horizontal Grid • Spatial Discretization • Vertical Grid • Boundary Conditions • Dissipative Processes
10:30-11:00	*Coffee break*
11:00-12:30	NMM Dynamic Solver (*Z.Janjić*) - continuation
12:30-14:00	*Lunch break*
14:00-15:00	**Training session** • Running on-line nested NMMB with NCEP's preprocessing
15:00-15:30	*Coffee break*
15:30-17:30	• Running on-line nested NMMB with NCEP's preprocessing - continuation
Thursday 26 October 2017	
9:00-10:30	**Lectures** NMM Physics • Microphysics: Bulk schemes ranging from simplified physics suitable for mesoscale modeling to sophisticated mixed-phase physics for cloud resolving models. (*B. Rajković*) • Cumulus parameterizations: Adjustment and mass-flux schemes. (*B. Rajković*)
10:30-11:00	*Coffee break*
11:00-12:30	• Surface Physics: Multi-layer full vegetation and soil moisture models, including snow cover and sea ice. (*G. Pejanović*) • Planetary Boundary Layer and Free Atmosphere Turbulence: Turbulent kinetic energy prediction and non-local schemes. (*B. Rajković*)

	▪ Atmospheric Radiation: Longwave and shortwave schemes with multiple spectral bands. Cloud effects and surface fluxes are included. (*V. Đurđević*)
12:30-14:00	*Lunch break*
14:00-15:00	**Training session** • Running on-line nested NMMB with different physical options, e.g. Thompson physics, RRTM radiation, GWD, etc.
15:00-15:30	*Coffee break*
15:30-17:30	▪ Running on-line nested NMMB with different physical options, e.g. Thompson physics, RRTM radiation, GWD, etc. - continuation
Friday 27 October 2017	
9:00-10:30	**Lectures** ▪ Postprocessing (*TBD*) NMMB-driven applications: • Aerosol modelling (*S. Ničković, G. Pejanović*)
10:30-11:00	*Coffee break*
11:00-12:30	NMMB-driven applications: ▪ Hydrology modelling (*S. Ničković, G. Pejanović*) ▪ Climate and seasonal modelling
12:30-14:00	*Lunch break*
14:00-15:00	**Training session** ▪ Post-processing
15:00-15:30	*Coffee break*
15:30-17:30	▪ Practices proposed by course participants
17:30-18:00	Conclusions and closure

Note: Training schedule is orientational – subject to modification.