**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**

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| **Monday, 23 October 2017**  |
| **Third SEECOP Council Session (morning session)** |
| 9:00­9:10 | Welcome address by Prof dr Jugoslav Nikolić, RHMSS Director |
| 9:10­9:30 | Short report about SEECOP activities between two Council Sessions, S.Ničković |
| 9:30­10:30 | 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
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| 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**  |
| 9:00­10:30 | **Lectures**Preprocessing (*S. Petković, B. Kašić, B. Cvetković, A. Marčev*...)(tbd) |
| 10:30­11:00 | *Coffee break* |
| 11:00­12:30 | • 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**  |
| 9:00­10:30 | **Lectures**NMM Dynamic Solver (*Z. Janjić*)* Basic Principles
* Equations / Variables
* Model Integration
* Horizontal Grid
* Spatial Discretization
* Vertical Grid
* Boundary Conditions
* Dissipative Processes
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| 10:30­11:00 | *Coffee break* |
| 11:00­12:30 | 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**  |
| 9:00­10:30 | **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*)
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| 10:30­11:00 | *Coffee break* |
| 11:00­12:30 | * 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.
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| 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**  |
| 9:00­10:30 | **Lectures**▪ Postprocessing (*TBD*)NMMB-driven applications:* Aerosol modelling (*S. Ničković, G. Pejanović*)
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| 10:30­11:00 | *Coffee break* |
| 11:00­12:30 | 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.