**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)** | |
| 8:00­8:30 | Registration of participants |
| 8:30­8:40 | Welcome address by Prof dr Jugoslav Nikolić, RHMSS Director |
| 8:40­9:00 | Short report about SEECOP activities between two Council Sessions, S.Ničković |
| 9:00­10:00 | Country reports – achievements between two meetings |
| 10:00-10.30 | Discussions and suggestions for future SEECOP activities, new member applications, and other business |
| 10:30-11.00 | *Coffee break* |
| 11:00-12.00 | Presentation by Prof dr Zaviša Janjić – NMMB achievements and future development plans |
| 12:00-13:30 | *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 |
| 19:30 | *Joint dinner hosted by RHMSS*  *Kafanica restaurant (5 minutes walking distance from RHMSS)* |
| **Tuesday, 24 October 2017** | |
| 9:00­10:30 | **Lectures**  Preprocessing (*S. Petković, B. Kašić, B. Cvetković, A. Marčev*...)(tbd) |
| 10:30­11:00 | *Coffee break* |
| 11:00­12:45 | • Assimilation (*B. Kašić*) |
| 12:45-14:00 | *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 |
| 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*) |
| 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. |
| 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*) |
| 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.