

**Regional seasonal forecasting with dynamical downscaling approach**

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As a part of the operational activities in South East European Virtual Climate Change Center (SEEVCCC, WMO RA VI RCC-Network member) a seasonal prediction system is developed, core of which consist of a coupled atmosphere-ocean regional climate model RCM-SEEVCCC. The RCM-SEEVCCC has been utilized to deliver seasonal forecasts in South East European region on operational basis as of June 2009. The seasonal prediction system is performing a dynamical downscaling of ECMWF System 3 seasonal forecast, from which regional model uses initial and lateral boundary condition. From June 2009 to March 2010, 26 ensemble members were used, and starting April 2010 full 41-ensemble member system of ECMWF is operationally downscaled. The forecast run is for 7 months ahead and is issued ones per month. Horizontal resolution is 0.25 degrees for atmospheric model and 0.2 degrees for the ocean model. Atmosphere is resolved with 32 and ocean with 21 vertical levels. The employment of the regional system to WMO Regional Climate Outlook Forum in SEE will be presented together with the system performance and verification scores. Potential added value to ECMWF global system will be discussed.