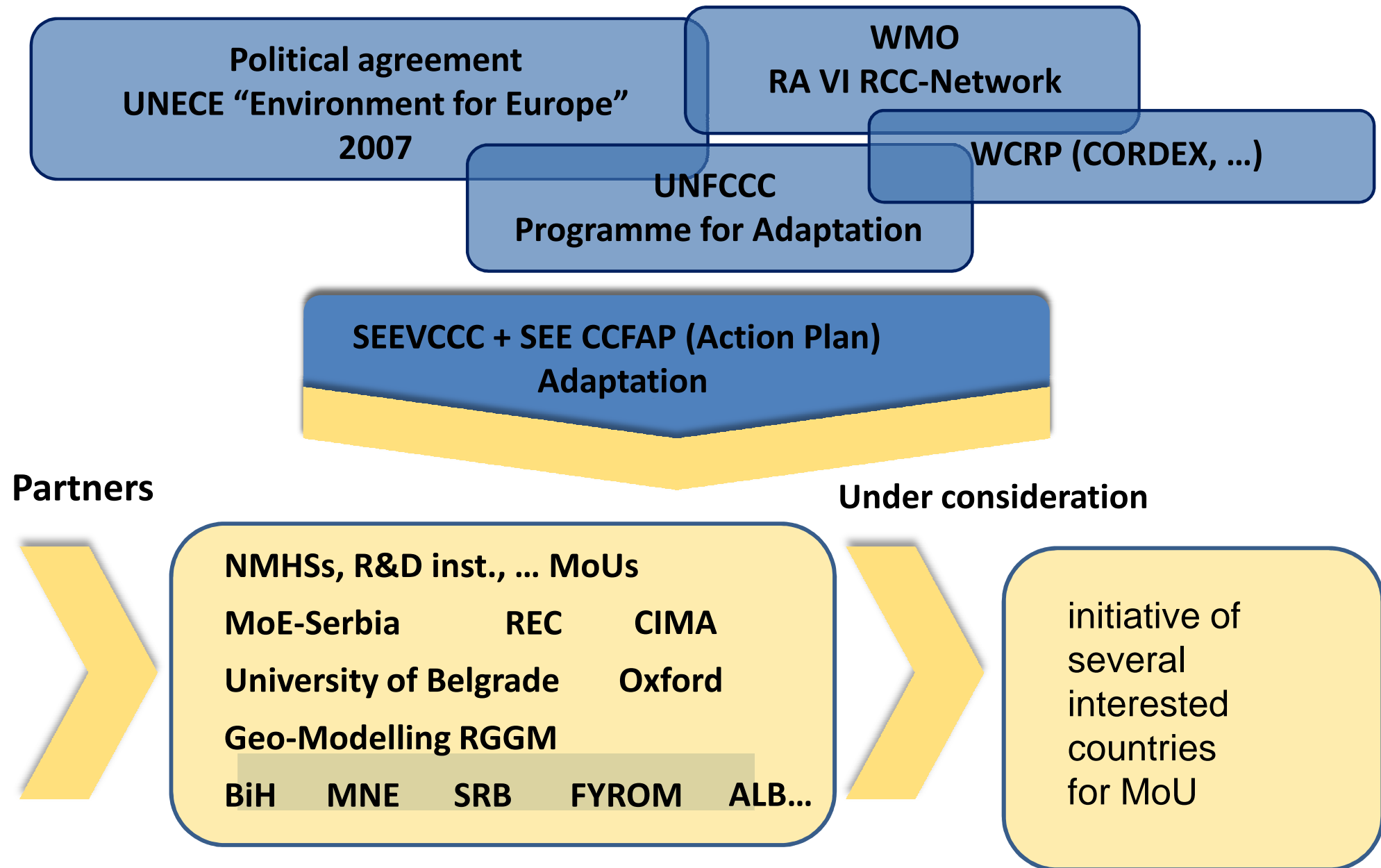


**South East European Virtual Climate Change Center**

# **South East European Virtual Climate Change Centre - Roles and activities in support Climate Change Adaptation and Disaster Reduction in SEE**

***37th EWGLAM and 22th SRNWP Meeting, Belgrade, Serbia, October 2015***

# SEEVCCC Background - Enhancing sub-regional SEE cooperation in climate related issues





# WMO RA VI-Europe RCC Network SEEVCCC

## Mandatory operational functions:

### ● Climate Data Node

Lead: KNMI/Netherlands (consortium member SEEVCCC/RHMS-Serbia)

South East European gridded model datasets for 1961-1990 (ready)

### ● Climate Monitoring Node

Lead: DWD/Germany (participate SEEVCCC/RHMS-Serbia)

- collecting data from the stations (monthly, 400-500 stations; main source for data KNMI-ECA&D, other climate bulletins NCDC)
- mean temperature and accumulated precipitation,
- temperature anomaly and precipitation percent of normal,
- all available monthly/three-monthly

### ● Long Range Forecast Node

Lead: Météo-France & ROSHYDROMET (participate SEEVCCC/RHMS-Serbia)

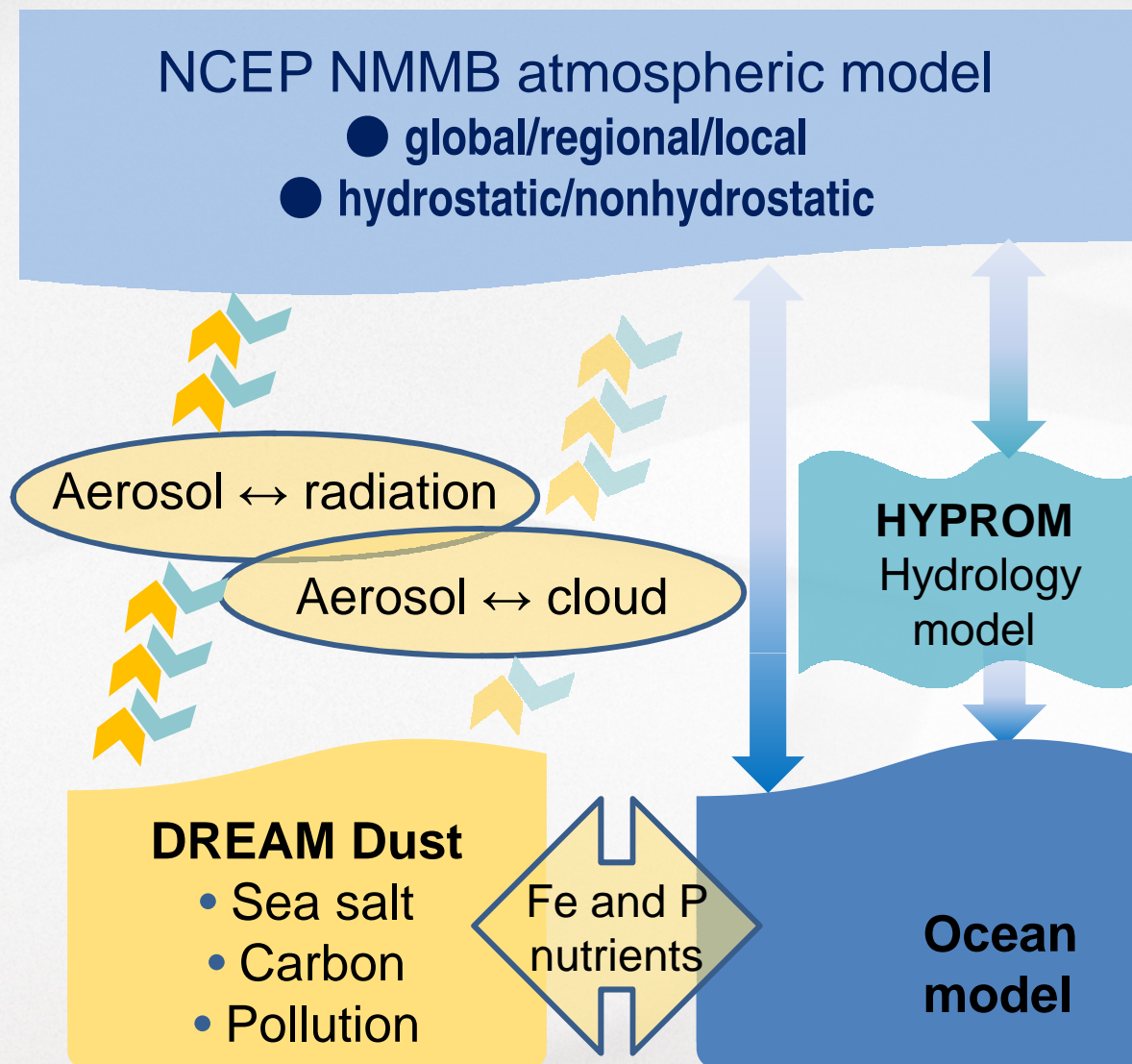
Once a month ensemble run of a regional long range forecast - 7 months ahead:

dynamical downscaling ECMWF 41 ensemble with RCM-SEEVCCC



# RCC Highly recommended functions:

## SEEVCCC Earth Modeling System Development





# SEEVCCC Emerging Technologies (Seamless Climate-Weather Prediction: **Weather and Climate Time Scales**)



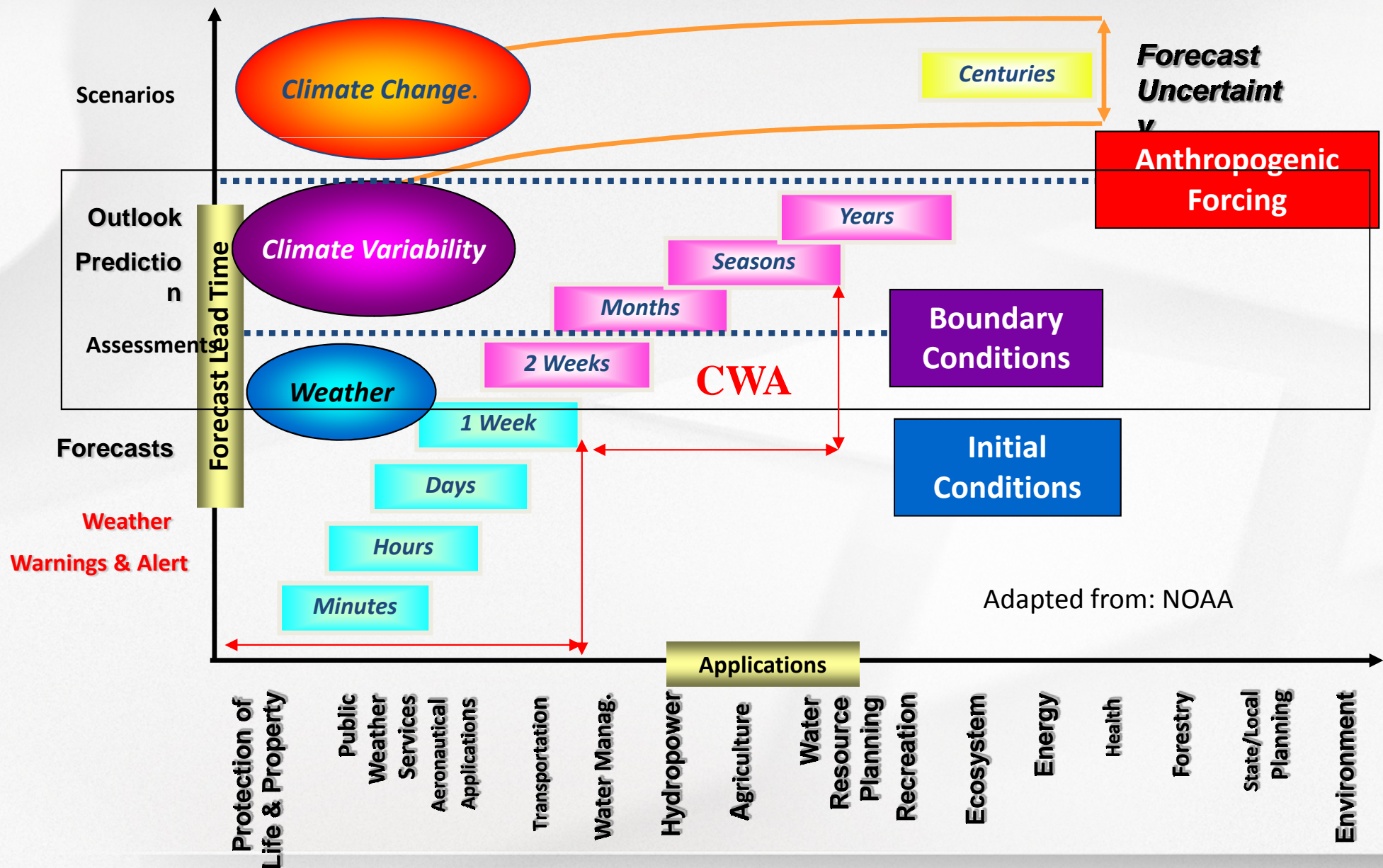
## SEEVCCC available technologies:

- NCEP NMM-B: Unified Nonhydrostatic Multiscale Model on B grid (Zavisa Janjic, NCEP)
- POM (Vladimir Djurdjevic, Borivoj Rajkovic, Belgrade University)
- DREAM: Dust Regional Atmospheric Model (Slobodan Nickovic, RHMSS)
- HYPROM: Hydrology prediction model (Nickovic, RHMSS)

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# Enhanced capacity of the SEEVCCC to support DRR and Climate Change Adaptation in SEE– SEEVCCC/RHMSS Weather and Climate Prediction and Warning Framework



# SEEVCCC Future Plans

- Implementation of mandatory functions within WMO RA VI RCC-Network;
- Implementation of RCC highly recommended functions through Implementation of Long Term Research and Development Plan adopted by Expert SEE – Meeting and Ministerial conference “Climate Research Aimed at Environmental Protection, Climate Change Adaptation and Disaster Reduction”, held on 13th April 2011 in Belgrade;
- Use of other existing RCMs in climate change research and climate impact studies;
- Collaboration in further application and improvement of Climate Watch Advisory System;
- Setting up of SEECOP and CB activities;
- Enhancing of sub-regional cooperation and partnerships;
- Contribution to GFCS, WCRP, IPCC, UNFCCC, WMO/RCOF-SEECOF, WMO/DRR, WMO/WIS ...



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## Dust Forecast

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## Seasonal Forecast

» More Details

## SEECOF

UNCATEGORIZED



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### WELCOME TO NEW SEEVCCC WEB SITE.

Web site is still under construction. But some of our products are already visible.  
For any comments about web site You will soon be able to contact us via email.

SEEVCCC CREW