Meta data description for RCM model simulations in ENSEMLES RT3

ERA40@25 Simulations

1. General:

1.1 Name of model: ALADIN-CLIMATE/Prague

1.2 Version: CY28t3

1. 3 Reference: N/A

1.4 URL: http://www.cnrm.meteo.fr/aladin

2. Model setup:

2.1 Grid specifications:
2.1.1 Projection tangent Lambert; (latitude 50.4°N, longitude 11.5°E)

2.1.2 Number of horizontal grid points: (216 x 192 points) (LAT x LON)

2.1.3 Number vertical levels: 31

2.1.4 Type of vertical coordinate: η (eta)

2.2 Soil and surface specifications

2.2.1 Name of soil and SVAT model: Interaction Soil Atmosphere Biosphere (ISBA)

2.2.2 Physiogeographical data

Name, source, figure

Orography: GLOBE (NOAA/NGDC data at 1 km resolution)
LSM: US Navy data (10' resolution)
LAI, Soil: Internal ALADIN NWP dataset

2.3 External Forcing:

Equivalent CO_2 historical concentrations – monthly update
Solar constant being kept constant during model integration.

4. Additional information on model set up

Monthly update of sea-ice and SST, from ERA40 data. This is technical feature given by the model internal structure.

5. Information on the performance

6. Email address for contact person: ales.farda@chmi.cz