



Climate change signal over Northern Adriatic Region

M. Zampieri (1), P. Lionello (2), and G. Nikulin (3)

(1) CNR, ISAC, Lecce, Italy (m.zampieri@isac.cnr.it), (2) Salento University, Lecce, Italy, (3) Rossby Centre, SMHI, Norrkoping, Sweden

In this study we collect the results of several regional climate models from various projects (PRUDENCE, ENSEMBLES, and others).

Temperature, precipitation, Sea Level Pressure, 500hPa geopotential height and wind speed are analyzed for Venetia and the Northern Adriatic region.

The agreement among models is analyzed for the control runs and for the scenario simulations, and the dispersion among models is evaluated.

The importance of resolutions is addressed as well as the changes of climate extremes in future scenarios.