

Future precipitation changes over eastern Adriatic and Dinaric Alps areas in the latest EURO-CORDEX ensemble

Sarah Ivušić, Ivan Güttler, Kristian Horvath

7th September 2021

aim → estimate the future climate change signal for precipitation

- climate projections from the latest EURO-CORDEX ensemble at 0.11°
- 14 RCMs driven by 8 CMIP5 GCMs → 68 runs
- RCP8.5
- far future period (2071-2100) vs. historical period (1971-2000)

GCM ↓ RCM →	CNRM-ALADIN53	CNRM-ALADIN63	CLMcom-CCLM4-8-17	CLMcom-ETH-COSMO-crCLIM-v1-1	DMI-HIRHAM5	GERICS-REMO2015	ICTP-RegCM4-6	KNMI-RACMO22E	SMHI-RCA4	UHOH-WRF361H	RMIB-UGent-ALARO-0	MPI-CSC-REMO2009	MOHC-HadREM3-GA7-05	IPSL-WRF381P
CNRM-CERFACS-CNRM-CM5	x		x		x	x		x	x		x		x	x
MOHC-HadGEM2-ES		x	x	x	x	x	x	x	x	x			x	x
ICHEC-EC-EARTH			x	x	x	x		x	x	x			x	x
MPI-M-MPI-ESM-LR		x	x	x	x	x	x	x	x	x		x	x	
CCCma-CanESM2			x			x								
IPSL-IPSL-CM5A-LR/MR					x	x		x	x					x
MIROC-MIROC5			x			x				x				
NCC-NorESM1-M		x		x	x	x	x	x	x				x	x

* not showing particular ensemble member (e.g. r1i1p1)

Future precipitation changes over eastern Adriatic and Dinaric Alps areas in the latest EURO-CORDEX ensemble

