

Article title: Effects of climate change and adaptation options on winter wheat yield under rainfed Mediterranean conditions in southern Portugal

Journal: Climatic Change

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Online Resource 4. List of employed bias-adjusted Global Climate Model–Regional Climate Model (GCM–RCM) chains from EURO–CORDEX

Short name of GCM–RCM	Driving GCM	Ensemble Group	RCM	Institution (Abbreviation)	Bias Adjustment (BA) method (Abbreviation)	Observational source for BA
CNRM–CLM	CNRM–CERFACS–CNRM–CM5	r1i1p1	CLMcom–CCLM4–8–17	Climate Limited–area Modelling Community (CLMcom)		
ICHEC–CLM	ICHEC–EC–EARTH	r12i1p1				
MPI–CLM	MPI–M–MPI–ESM–LR	r1i1p1				
ICHEC–DMI	ICHEC–EC–EARTH	r3i1p1	DMI–HIRHAM5	Danish Meteorological Institute (DMI)	Distribution–Based Scaling from Swedish Meteorological and Hydrological Institute (SMHI–DBS45) (Yang et al. 2010)	Regional reanalysis of MESoscale ANalysis (MESAN) over 1989–2010 (Dahlgren et al. 2016; Landelius et al. 2016)
ICHEC–KNMI	ICHEC–EC–EARTH	r1i1p1	KNMI–RACMO22E	Royal Netherlands Meteorological Institute (KNMI)		
MPI–MPICSC(r1)	MPI–M–MPI–ESM–LR	r1i1p1	MPI–CSC–REMO2009	Max Planck Institute–Climate Service Centre (MPI–CSC)		
MPI–MPICSC(r2)	MPI–M–MPI–ESM–LR	r2i1p1				
CNRM–SMHI	CNRM–CERFACS–CNRM–CM5	r1i1p1	SMHI–RCA4	Swedish Meteorological and Hydrological Institute (SMHI)		
ICHEC–SMHI	ICHEC–EC–EARTH	r2i1p1				
MPI–SMHI	MPI–M–MPI–ESM–LR	r1i1p1				