

1 **Supporting nonprint material:**

2 Table S1: The seven RCM simulations, including the driving GCM and scenario, as used for the
 3 ensemble mean.

SRES Scenario	Global Climate Model (GCM)	Regional Climate Model (RCM)	Institution, Country	Used in Ensembles of this study
A1B	ECHAM5-r3	RCA	SMHI, Sweden	E7m, E4m
A1B	ECHAM5-r3	REMO	MPI, Germany	E7m, E4m
A1B	HadCM3Q0	CLM	ETHZ, Switzerland	E7m, E2m
A1B	ECHAM5-r3	HIRHAM5	DMI, Denmark	E7m, E4m
A1B	ARPEGE	HIRHAM5	DMI, Denmark	E7m
A1B	HadCM3Q16	RCA3	C4I, Ireland	E7m, E2m
A1B	ECHAM5-r3	RACMO	KNMI, Netherlands	E7m, E4m

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Figure S2: The RCM grid points used in this study.

