

Electronic supplement of the paper:

Future projections of precipitation extremes for Greece based on an ensemble of high-resolution Regional Climate Model simulations

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Table S1 - PRTOT (pages 3-5): Mean value and standard deviation of the annual total precipitation PRTOT (mm) for the reference period 1971-2000 and for two future periods (2021-2050 and 2071-2100) under different RCPs in 13 subregions of Greece. The percentage (%) mean difference ($\pm\sigma$) of the two future periods with the reference period is also given for each RCP. The statistically significant percentage mean difference ($\pm\sigma$) is in bold.

Table S2 - R20 (pages 6-8): Mean value and standard deviation of the very heavy precipitation days R20 (days) for the reference period 1971-2000 and for two future periods (2021-2050 and 2071-2100) under different RCPs in 13 subregions of Greece. The mean difference ($\pm\sigma$) of the two future periods with the reference period is also given for each RCP. The statistically significant mean difference ($\pm\sigma$) is in bold.

Table S3 - Rx1day (pages 9-11): Mean value and standard deviation of the highest 1-day precipitation amount Rx1day (mm) for the reference period 1971-2000 and for two future periods (2021-2050 and 2071-2100) under different RCPs in 13 subregions of Greece. The percentage (%) mean difference ($\pm\sigma$) of the two future periods with the reference period is also given for each RCP. The statistically significant percentage mean difference ($\pm\sigma$) is in bold.

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Figure S1 - MB (page 18): Mean bias (MB) of the EURO-CORDEX ensemble PRTOT fields for southeastern Europe relative to E-OBS v23.1e. Hatching indicates areas where the differences are not statistically significant at the 95% confidence level according to the independent-samples t-test. The MB, the normalized mean bias (NMB) and the spatial Pearson's correlation coefficient (Rspatial) values for the whole area are also illustrated.

Figure S2 - Rx1day (pages 19-23): Timeseries (1950-2100) with the percentage difference between the annual Rx1day and the mean Rx1day for the reference period (1971-2000) for the 13 subregions of Greece. Error bars denote the $\pm 1\sigma$ from the 11 EURO-CORDEX simulations annual values and are plotted every 5 years. The boxplot on the right shows the mean difference (dot) between of the periods 1971-2000, 2021-2050 and 2071-2100 with the reference period. The middle lines in each box represent the corresponding median difference, the boxes indicate the range between the 25th and 75th percentiles and the whiskers the maximum and minimum difference values from the 11 EURO-CORDEX simulations (inter-model variability).

Table S1 - PRTOT (pages 3-5)

Subreg.	Mode	Period	Mean (mm)	StDev (mm)	Mean diff. $\pm 1\sigma$ (%)
EASTERN MACEDONIA & THRACE	Hist	1971-2000	833.772	132.065	0.000 \pm 22.400
	RCP2.6	2021-2050	810.698	129.222	-2.767 \pm 22.161
	RCP2.6	2071-2100	837.084	131.238	0.397 \pm 22.330
	RCP4.5	2021-2050	836.801	138.163	0.363 \pm 22.923
	RCP4.5	2071-2100	801.901	144.552	-3.822 \pm 23.483
	RCP8.5	2021-2050	825.899	138.464	-0.944 \pm 22.949
	RCP8.5	2071-2100	723.960	145.027	-13.170 \pm 23.525
CENTRAL MACEDONIA & ATHOS	Hist	1971-2000	702.075	114.491	0.000 \pm 23.062
	RCP2.6	2021-2050	691.014	132.004	-1.575 \pm 24.889
	RCP2.6	2071-2100	713.221	126.933	1.588 \pm 24.348
	RCP4.5	2021-2050	688.244	127.051	-1.970 \pm 24.360
	RCP4.5	2071-2100	677.785	141.771	-3.460 \pm 25.956
	RCP8.5	2021-2050	691.728	124.795	-1.474 \pm 24.123
	RCP8.5	2071-2100	626.352	149.512	-10.786 \pm 26.823
WESTERN MACEDONIA	Hist	1971-2000	730.406	180.959	0.000 \pm 35.037
	RCP2.6	2021-2050	710.753	189.049	-2.691 \pm 35.829
	RCP2.6	2071-2100	740.326	180.970	1.358 \pm 35.038
	RCP4.5	2021-2050	707.385	188.755	-3.152 \pm 35.800
	RCP4.5	2071-2100	708.035	195.689	-3.063 \pm 36.491
	RCP8.5	2021-2050	717.030	178.519	-1.831 \pm 34.802
	RCP8.5	2071-2100	652.586	194.809	-10.654 \pm 36.403
EPIRUS	Hist	1971-2000	1479.835	260.443	0.000 \pm 24.889
	RCP2.6	2021-2050	1449.281	266.038	-2.065 \pm 25.158
	RCP2.6	2071-2100	1486.832	252.338	0.473 \pm 24.505
	RCP4.5	2021-2050	1446.917	253.797	-2.224 \pm 24.574
	RCP4.5	2071-2100	1403.877	272.855	-5.133 \pm 25.489
	RCP8.5	2021-2050	1457.594	258.420	-1.503 \pm 24.793
	RCP8.5	2071-2100	1258.919	290.604	-14.928 \pm 26.370

THESSALY	Hist	1971-2000	818.101	196.929	0.000 ± 34.042
	RCP2.6	2021-2050	799.028	221.552	-2.331 ± 36.233
	RCP2.6	2071-2100	842.583	214.625	2.992 ± 35.605
	RCP4.5	2021-2050	781.739	208.707	-4.445 ± 35.075
	RCP4.5	2071-2100	784.444	225.262	-4.114 ± 36.573
	RCP8.5	2021-2050	791.481	202.299	-3.254 ± 34.509
	RCP8.5	2071-2100	722.756	229.089	-11.654 ± 36.927
IONIAN ISLANDS	Hist	1971-2000	1107.319	186.411	0.000 ± 23.807
	RCP2.6	2021-2050	1075.843	207.606	-2.843 ± 25.197
	RCP2.6	2071-2100	1130.421	195.315	2.086 ± 24.383
	RCP4.5	2021-2050	1089.020	212.633	-1.653 ± 25.537
	RCP4.5	2071-2100	1040.754	201.729	-6.011 ± 24.805
	RCP8.5	2021-2050	1085.957	225.540	-1.929 ± 26.425
	RCP8.5	2071-2100	937.735	212.248	-15.315 ± 25.511
WESTERN GREECE	Hist	1971-2000	1194.044	203.210	0.000 ± 24.068
	RCP2.6	2021-2050	1154.115	207.407	-3.344 ± 24.318
	RCP2.6	2071-2100	1186.976	185.387	-0.592 ± 23.037
	RCP4.5	2021-2050	1170.184	196.667	-1.998 ± 23.684
	RCP4.5	2071-2100	1117.984	206.243	-6.370 ± 24.248
	RCP8.5	2021-2050	1165.703	201.296	-2.373 ± 23.955
	RCP8.5	2071-2100	983.878	221.693	-17.601 ± 25.186
CENTRAL GREECE	Hist	1971-2000	830.571	207.583	0.000 ± 35.345
	RCP2.6	2021-2050	815.479	227.858	-1.817 ± 37.111
	RCP2.6	2071-2100	837.994	221.353	0.894 ± 36.536
	RCP4.5	2021-2050	798.580	213.008	-3.852 ± 35.810
	RCP4.5	2071-2100	787.424	237.640	-5.195 ± 37.990
	RCP8.5	2021-2050	802.243	212.731	-3.411 ± 35.786
	RCP8.5	2071-2100	717.526	230.996	-13.611 ± 37.392
ATTICA	Hist	1971-2000	513.082	97.152	0.000 ± 26.778
	RCP2.6	2021-2050	497.270	109.344	-3.082 ± 28.508
	RCP2.6	2071-2100	508.137	104.980	-0.964 ± 27.878
	RCP4.5	2021-2050	489.731	105.072	-4.551 ± 27.891
	RCP4.5	2071-2100	476.464	114.413	-7.137 ± 29.254

	RCP8.5	2021-2050	493.877	107.019	-3.743 ± 28.171
	RCP8.5	2071-2100	422.198	105.831	-17.713 ± 28.000
PELOPONNESE	Hist	1971-2000	830.149	209.757	0.000 ± 35.733
	RCP2.6	2021-2050	789.965	219.295	-4.841 ± 36.555
	RCP2.6	2071-2100	816.083	205.233	-1.694 ± 35.350
	RCP4.5	2021-2050	790.396	212.460	-4.789 ± 35.964
	RCP4.5	2071-2100	748.379	213.865	-9.850 ± 36.085
	RCP8.5	2021-2050	790.023	210.493	-4.834 ± 35.796
	RCP8.5	2071-2100	657.337	214.566	-20.817 ± 36.145
NORTH AEGEAN	Hist	1971-2000	694.150	145.521	0.000 ± 29.648
	RCP2.6	2021-2050	681.395	147.940	-1.837 ± 29.895
	RCP2.6	2071-2100	716.674	150.707	3.245 ± 30.180
	RCP4.5	2021-2050	700.678	147.918	0.941 ± 29.893
	RCP4.5	2071-2100	668.483	144.660	-3.698 ± 29.560
	RCP8.5	2021-2050	697.848	155.425	0.533 ± 30.673
	RCP8.5	2071-2100	591.545	137.709	-14.781 ± 28.863
SOUTH AEGEAN	Hist	1971-2000	553.536	72.131	0.000 ± 18.428
	RCP2.6	2021-2050	535.432	85.745	-3.270 ± 20.243
	RCP2.6	2071-2100	560.178	81.628	1.200 ± 19.679
	RCP4.5	2021-2050	532.774	73.514	-3.751 ± 18.606
	RCP4.5	2071-2100	512.473	77.964	-7.418 ± 19.188
	RCP8.5	2021-2050	537.780	84.014	-2.846 ± 20.004
	RCP8.5	2071-2100	438.096	80.840	-20.855 ± 19.573
CRETE	Hist	1971-2000	843.481	214.869	0.000 ± 36.026
	RCP2.6	2021-2050	793.535	202.965	-5.921 ± 35.042
	RCP2.6	2071-2100	807.965	209.650	-4.211 ± 35.591
	RCP4.5	2021-2050	776.726	205.767	-7.914 ± 35.271
	RCP4.5	2071-2100	745.199	194.475	-11.652 ± 34.359
	RCP8.5	2021-2050	777.618	195.868	-7.808 ± 34.470
	RCP8.5	2071-2100	619.772	187.133	-26.522 ± 33.781

Table S2 - R20 (pages 6-8)

Subreg.	Mode	Period	Mean (days)	StDev (days)	Mean diff. $\pm 1\sigma$ (days)
EASTERN MACEDONIA & THRACE	Hist	1971-2000	9.946	2.382	0.000 \pm 3.369
	RCP2.6	2021-2050	9.737	2.173	-0.208 \pm 3.224
	RCP2.6	2071-2100	10.038	2.276	0.092 \pm 3.294
	RCP4.5	2021-2050	10.309	2.503	0.363 \pm 3.455
	RCP4.5	2071-2100	9.889	2.486	-0.056 \pm 3.443
	RCP8.5	2021-2050	10.019	2.560	0.073 \pm 3.497
	RCP8.5	2071-2100	9.089	2.216	-0.857 \pm 3.253
CENTRAL MACEDONIA & ATHOS	Hist	1971-2000	7.495	1.821	0.000 \pm 2.575
	RCP2.6	2021-2050	7.446	2.118	-0.049 \pm 2.793
	RCP2.6	2071-2100	7.765	2.079	0.270 \pm 2.763
	RCP4.5	2021-2050	7.528	2.090	0.033 \pm 2.772
	RCP4.5	2071-2100	7.593	2.196	0.098 \pm 2.852
	RCP8.5	2021-2050	7.552	2.025	0.057 \pm 2.723
	RCP8.5	2071-2100	7.141	2.183	-0.354 \pm 2.842
WESTERN MACEDONIA	Hist	1971-2000	6.449	3.198	0.000 \pm 4.523
	RCP2.6	2021-2050	6.468	3.349	0.019 \pm 4.631
	RCP2.6	2071-2100	6.814	3.342	0.365 \pm 4.626
	RCP4.5	2021-2050	6.416	3.460	-0.033 \pm 4.711
	RCP4.5	2071-2100	6.967	3.560	0.518 \pm 4.786
	RCP8.5	2021-2050	6.723	3.214	0.274 \pm 4.534
	RCP8.5	2071-2100	6.741	3.361	0.292 \pm 4.640
EPIRUS	Hist	1971-2000	21.964	5.911	0.000 \pm 8.359
	RCP2.6	2021-2050	21.606	5.741	-0.358 \pm 8.240
	RCP2.6	2071-2100	22.022	5.504	0.058 \pm 8.077
	RCP4.5	2021-2050	21.671	5.593	-0.293 \pm 8.137
	RCP4.5	2071-2100	20.965	5.746	-0.999 \pm 8.244
	RCP8.5	2021-2050	21.638	5.585	-0.326 \pm 8.132
	RCP8.5	2071-2100	18.964	5.890	-3.000 \pm 8.344

THESSALY	Hist	1971-2000	9.405	3.602	0.000 ± 5.094
	RCP2.6	2021-2050	9.252	3.896	-0.153 ± 5.306
	RCP2.6	2071-2100	10.043	3.908	0.637 ± 5.315
	RCP4.5	2021-2050	9.044	3.799	-0.362 ± 5.235
	RCP4.5	2071-2100	9.300	3.919	-0.105 ± 5.323
	RCP8.5	2021-2050	9.323	3.587	-0.082 ± 5.083
	RCP8.5	2071-2100	8.718	3.841	-0.687 ± 5.265
IONIAN ISLANDS	Hist	1971-2000	15.035	3.632	0.000 ± 5.136
	RCP2.6	2021-2050	14.657	3.638	-0.378 ± 5.140
	RCP2.6	2071-2100	15.561	3.480	0.526 ± 5.030
	RCP4.5	2021-2050	15.113	3.926	0.078 ± 5.349
	RCP4.5	2071-2100	14.391	3.394	-0.644 ± 4.971
	RCP8.5	2021-2050	14.870	4.114	-0.165 ± 5.488
	RCP8.5	2071-2100	12.884	3.415	-2.151 ± 4.985
WESTERN GREECE	Hist	1971-2000	16.720	4.102	0.000 ± 5.802
	RCP2.6	2021-2050	16.288	3.983	-0.431 ± 5.718
	RCP2.6	2071-2100	16.666	3.561	-0.054 ± 5.432
	RCP4.5	2021-2050	16.695	3.909	-0.025 ± 5.667
	RCP4.5	2071-2100	15.949	3.926	-0.770 ± 5.678
	RCP8.5	2021-2050	16.536	3.965	-0.184 ± 5.706
	RCP8.5	2071-2100	13.893	3.911	-2.827 ± 5.668
CENTRAL GREECE	Hist	1971-2000	9.788	3.694	0.000 ± 5.224
	RCP2.6	2021-2050	9.768	3.984	-0.019 ± 5.433
	RCP2.6	2071-2100	10.176	3.985	0.389 ± 5.434
	RCP4.5	2021-2050	9.569	3.843	-0.219 ± 5.330
	RCP4.5	2071-2100	9.523	4.186	-0.264 ± 5.582
	RCP8.5	2021-2050	9.710	3.726	-0.078 ± 5.246
	RCP8.5	2071-2100	8.739	3.853	-1.049 ± 5.337
ATTICA	Hist	1971-2000	5.017	1.471	0.000 ± 2.080
	RCP2.6	2021-2050	4.934	1.566	-0.083 ± 2.148
	RCP2.6	2071-2100	5.165	1.629	0.148 ± 2.195
	RCP4.5	2021-2050	4.871	1.605	-0.146 ± 2.177
	RCP4.5	2071-2100	4.853	1.701	-0.164 ± 2.249

PELOPONNESE	RCP8.5	2021-2050	5.057	1.501	0.040 ± 2.102
	RCP8.5	2071-2100	4.403	1.353	-0.614 ± 1.999
	Hist	1971-2000	9.905	3.814	0.000 ± 5.393
	RCP2.6	2021-2050	9.453	3.916	-0.452 ± 5.466
	RCP2.6	2071-2100	9.795	3.726	-0.110 ± 5.332
	RCP4.5	2021-2050	9.610	3.886	-0.295 ± 5.445
	RCP4.5	2071-2100	9.021	3.672	-0.884 ± 5.294
	RCP8.5	2021-2050	9.577	3.790	-0.328 ± 5.377
	RCP8.5	2071-2100	7.959	3.472	-1.946 ± 5.157
	Hist	1971-2000	8.357	2.549	0.000 ± 3.605
	RCP2.6	2021-2050	8.399	2.554	0.043 ± 3.608
	RCP2.6	2071-2100	9.059	2.692	0.702 ± 3.707
	RCP4.5	2021-2050	8.810	2.638	0.454 ± 3.668
	RCP4.5	2071-2100	8.476	2.381	0.120 ± 3.488
	RCP8.5	2021-2050	8.791	2.751	0.435 ± 3.751
	RCP8.5	2071-2100	7.572	2.187	-0.785 ± 3.359
	Hist	1971-2000	5.108	1.076	0.000 ± 1.521
	RCP2.6	2021-2050	5.076	1.047	-0.032 ± 1.501
	RCP2.6	2071-2100	5.500	1.218	0.392 ± 1.625
	RCP4.5	2021-2050	5.029	1.013	-0.079 ± 1.478
	RCP4.5	2071-2100	4.936	0.869	-0.172 ± 1.383
	RCP8.5	2021-2050	5.200	1.144	0.092 ± 1.570
	RCP8.5	2071-2100	4.354	0.914	-0.753 ± 1.412
	Hist	1971-2000	10.189	3.778	0.000 ± 5.343
	RCP2.6	2021-2050	9.470	3.413	-0.719 ± 5.091
	RCP2.6	2071-2100	9.804	3.663	-0.385 ± 5.263
	RCP4.5	2021-2050	9.328	3.595	-0.861 ± 5.215
	RCP4.5	2071-2100	8.890	3.286	-1.299 ± 5.007
	RCP8.5	2021-2050	9.322	3.288	-0.867 ± 5.008
	RCP8.5	2071-2100	7.241	2.942	-2.948 ± 4.788

Table S3 - Rx1day (pages 9-11)

Subreg.	Mode	Period	Mean (mm)	StDev (mm)	Mean diff. $\pm 1\sigma$ (%)
EASTERN MACEDONIA & THRACE	Hist	1971-2000	61.125	8.163	0.000 \pm 18.887
	RCP2.6	2021-2050	62.176	6.718	1.719 \pm 17.296
	RCP2.6	2071-2100	62.580	7.677	2.380 \pm 18.333
	RCP4.5	2021-2050	62.415	6.830	2.110 \pm 17.413
	RCP4.5	2071-2100	63.886	6.389	4.517 \pm 16.959
	RCP8.5	2021-2050	62.217	6.883	1.787 \pm 17.469
	RCP8.5	2071-2100	64.247	6.986	5.107 \pm 17.578
CENTRAL MACEDONIA & ATHOS	Hist	1971-2000	54.402	4.787	0.000 \pm 12.443
	RCP2.6	2021-2050	56.338	6.418	3.559 \pm 14.717
	RCP2.6	2071-2100	56.270	4.575	3.434 \pm 12.171
	RCP4.5	2021-2050	54.901	4.592	0.918 \pm 12.193
	RCP4.5	2071-2100	57.288	5.812	5.306 \pm 13.841
	RCP8.5	2021-2050	55.871	5.684	2.700 \pm 13.660
	RCP8.5	2071-2100	59.704	7.626	9.747 \pm 16.550
WESTERN MACEDONIA	Hist	1971-2000	44.716	6.761	0.000 \pm 21.383
	RCP2.6	2021-2050	46.299	7.872	3.541 \pm 23.207
	RCP2.6	2071-2100	47.965	6.382	7.266 \pm 20.793
	RCP4.5	2021-2050	45.249	5.212	1.192 \pm 19.092
	RCP4.5	2071-2100	48.544	5.542	8.561 \pm 19.550
	RCP8.5	2021-2050	46.375	7.477	3.712 \pm 22.544
	RCP8.5	2071-2100	49.981	6.721	11.774 \pm 21.319
EPIRUS	Hist	1971-2000	76.750	12.383	0.000 \pm 22.816
	RCP2.6	2021-2050	80.699	12.132	5.146 \pm 22.587
	RCP2.6	2071-2100	80.886	14.098	5.389 \pm 24.448
	RCP4.5	2021-2050	78.135	10.971	1.805 \pm 21.556
	RCP4.5	2071-2100	79.644	10.557	3.771 \pm 21.201
	RCP8.5	2021-2050	80.519	12.255	4.911 \pm 22.699
	RCP8.5	2071-2100	80.654	12.855	5.087 \pm 23.255

THESSALY	Hist	1971-2000	60.571	5.659	0.000 ± 13.212
	RCP2.6	2021-2050	62.604	7.377	3.357 ± 15.349
	RCP2.6	2071-2100	65.064	7.524	7.418 ± 15.543
	RCP4.5	2021-2050	60.504	6.237	-0.111 ± 13.904
	RCP4.5	2071-2100	65.192	7.972	7.629 ± 16.140
	RCP8.5	2021-2050	61.830	6.404	2.078 ± 14.108
	RCP8.5	2071-2100	68.158	8.732	12.526 ± 17.179
IONIAN ISLANDS	Hist	1971-2000	63.009	5.992	0.000 ± 13.448
	RCP2.6	2021-2050	63.995	6.412	1.564 ± 13.928
	RCP2.6	2071-2100	66.041	6.391	4.811 ± 13.904
	RCP4.5	2021-2050	62.250	6.284	-1.205 ± 13.780
	RCP4.5	2071-2100	65.576	6.128	4.073 ± 13.602
	RCP8.5	2021-2050	63.925	5.626	1.454 ± 13.044
	RCP8.5	2071-2100	69.374	7.243	10.101 ± 14.918
WESTERN GREECE	Hist	1971-2000	65.580	10.397	0.000 ± 22.420
	RCP2.6	2021-2050	66.031	9.115	0.687 ± 21.083
	RCP2.6	2071-2100	67.162	11.179	2.412 ± 23.279
	RCP4.5	2021-2050	66.274	8.485	1.057 ± 20.463
	RCP4.5	2071-2100	66.824	8.968	1.897 ± 20.937
	RCP8.5	2021-2050	66.814	7.489	1.881 ± 19.538
	RCP8.5	2071-2100	69.491	8.403	5.962 ± 20.384
CENTRAL GREECE	Hist	1971-2000	59.630	5.607	0.000 ± 13.298
	RCP2.6	2021-2050	60.445	6.003	1.367 ± 13.776
	RCP2.6	2071-2100	61.601	5.532	3.305 ± 13.209
	RCP4.5	2021-2050	59.752	4.508	0.205 ± 12.065
	RCP4.5	2071-2100	61.081	6.675	2.433 ± 14.619
	RCP8.5	2021-2050	61.078	4.829	2.428 ± 12.410
	RCP8.5	2071-2100	65.560	6.309	9.945 ± 14.155
ATTICA	Hist	1971-2000	46.265	4.588	0.000 ± 14.024
	RCP2.6	2021-2050	46.873	3.627	1.315 ± 12.641
	RCP2.6	2071-2100	47.112	3.346	1.829 ± 12.274
	RCP4.5	2021-2050	46.424	4.366	0.344 ± 13.688
	RCP4.5	2071-2100	47.820	5.518	3.362 ± 15.511

	RCP8.5	2021-2050	47.947	3.666	3.636 ± 12.694
	RCP8.5	2071-2100	49.605	4.417	7.219 ± 13.765
PELOPONNESE	Hist	1971-2000	58.082	7.273	0.000 ± 17.708
	RCP2.6	2021-2050	57.066	5.405	-1.749 ± 15.601
	RCP2.6	2071-2100	60.035	6.246	3.362 ± 16.506
	RCP4.5	2021-2050	56.335	5.455	-3.009 ± 15.652
	RCP4.5	2071-2100	57.109	5.729	-1.675 ± 15.939
	RCP8.5	2021-2050	59.628	4.345	2.661 ± 14.586
	RCP8.5	2071-2100	57.436	4.157	-1.112 ± 14.423
NORTH AEGEAN	Hist	1971-2000	50.963	4.567	0.000 ± 12.673
	RCP2.6	2021-2050	52.952	5.967	3.904 ± 14.744
	RCP2.6	2071-2100	54.202	6.288	6.357 ± 15.250
	RCP4.5	2021-2050	52.813	4.842	3.631 ± 13.061
	RCP4.5	2071-2100	54.584	5.440	7.107 ± 13.937
	RCP8.5	2021-2050	54.485	5.575	6.912 ± 14.141
	RCP8.5	2071-2100	56.047	5.858	9.976 ± 14.574
SOUTH AEGEAN	Hist	1971-2000	42.561	3.079	0.000 ± 10.231
	RCP2.6	2021-2050	44.546	3.570	4.663 ± 11.078
	RCP2.6	2071-2100	45.005	3.611	5.741 ± 11.150
	RCP4.5	2021-2050	44.187	3.049	3.821 ± 10.181
	RCP4.5	2071-2100	45.652	3.687	7.261 ± 11.286
	RCP8.5	2021-2050	44.941	4.072	5.591 ± 11.994
	RCP8.5	2071-2100	44.943	3.014	5.595 ± 10.123
CRETE	Hist	1971-2000	58.185	9.635	0.000 ± 23.419
	RCP2.6	2021-2050	58.764	8.796	0.995 ± 22.422
	RCP2.6	2071-2100	59.551	9.323	2.348 ± 23.043
	RCP4.5	2021-2050	57.224	9.045	-1.651 ± 22.713
	RCP4.5	2071-2100	59.260	9.638	1.847 ± 23.422
	RCP8.5	2021-2050	59.719	8.155	2.637 ± 21.695
	RCP8.5	2071-2100	55.038	7.516	-5.408 ± 21.002

Table S4 - Rx5day (pages 12-14)

Subreg.	Mode	Period	Mean (mm)	StDev (mm)	Mean diff. $\pm 1\sigma$ (%)
EASTERN MACEDONIA & THRACE	Hist	1971-2000	109.172	14.094	0.000 \pm 18.257
	RCP2.6	2021-2050	109.343	11.378	0.157 \pm 16.592
	RCP2.6	2071-2100	111.656	13.116	2.276 \pm 17.635
	RCP4.5	2021-2050	112.921	11.679	3.434 \pm 16.766
	RCP4.5	2071-2100	111.521	11.460	2.152 \pm 16.639
	RCP8.5	2021-2050	110.654	13.203	1.357 \pm 17.690
	RCP8.5	2071-2100	109.251	11.946	0.072 \pm 16.923
CENTRAL MACEDONIA & ATHOS	Hist	1971-2000	96.046	9.551	0.000 \pm 14.064
	RCP2.6	2021-2050	98.242	14.125	2.286 \pm 17.753
	RCP2.6	2071-2100	97.566	9.540	1.582 \pm 14.055
	RCP4.5	2021-2050	95.665	9.359	-0.396 \pm 13.923
	RCP4.5	2071-2100	99.085	12.838	3.164 \pm 16.660
	RCP8.5	2021-2050	96.707	11.286	0.688 \pm 15.394
	RCP8.5	2071-2100	101.837	16.536	6.029 \pm 19.882
WESTERN MACEDONIA	Hist	1971-2000	81.687	15.347	0.000 \pm 26.570
	RCP2.6	2021-2050	82.880	17.018	1.460 \pm 28.054
	RCP2.6	2071-2100	85.044	13.866	4.109 \pm 25.320
	RCP4.5	2021-2050	80.333	12.875	-1.657 \pm 24.523
	RCP4.5	2071-2100	86.034	14.022	5.322 \pm 25.449
	RCP8.5	2021-2050	83.490	14.296	2.207 \pm 25.676
	RCP8.5	2071-2100	87.034	15.581	6.546 \pm 26.773
EPIRUS	Hist	1971-2000	164.676	26.967	0.000 \pm 23.159
	RCP2.6	2021-2050	166.262	23.870	0.963 \pm 21.870
	RCP2.6	2071-2100	167.545	26.983	1.742 \pm 23.166
	RCP4.5	2021-2050	164.185	21.985	-0.299 \pm 21.128
	RCP4.5	2071-2100	163.093	21.622	-0.962 \pm 20.990
	RCP8.5	2021-2050	167.132	23.953	1.491 \pm 21.903
	RCP8.5	2071-2100	162.191	26.823	-1.509 \pm 23.097

THESSALY	Hist	1971-2000	113.438	15.104	0.000 ± 18.830
	RCP2.6	2021-2050	114.903	20.948	1.291 ± 22.766
	RCP2.6	2071-2100	119.128	17.418	5.016 ± 20.324
	RCP4.5	2021-2050	109.852	16.631	-3.162 ± 19.805
	RCP4.5	2071-2100	115.609	17.101	1.914 ± 20.113
	RCP8.5	2021-2050	112.865	14.235	-0.505 ± 18.296
	RCP8.5	2071-2100	120.607	21.246	6.320 ± 22.980
IONIAN ISLANDS	Hist	1971-2000	126.068	15.343	0.000 ± 17.212
	RCP2.6	2021-2050	127.125	16.243	0.839 ± 17.724
	RCP2.6	2071-2100	130.514	15.003	3.527 ± 17.022
	RCP4.5	2021-2050	124.162	15.416	-1.512 ± 17.253
	RCP4.5	2071-2100	127.147	15.638	0.856 ± 17.378
	RCP8.5	2021-2050	125.098	16.716	-0.769 ± 17.998
	RCP8.5	2071-2100	128.438	18.167	1.881 ± 18.862
WESTERN GREECE	Hist	1971-2000	138.588	22.926	0.000 ± 23.395
	RCP2.6	2021-2050	136.801	21.295	-1.290 ± 22.578
	RCP2.6	2071-2100	140.909	24.088	1.675 ± 23.995
	RCP4.5	2021-2050	139.243	17.502	0.472 ± 20.812
	RCP4.5	2071-2100	138.190	18.431	-0.287 ± 21.225
	RCP8.5	2021-2050	137.621	18.506	-0.698 ± 21.259
	RCP8.5	2071-2100	134.564	19.224	-2.904 ± 21.588
CENTRAL GREECE	Hist	1971-2000	113.071	13.953	0.000 ± 17.451
	RCP2.6	2021-2050	114.264	17.650	1.055 ± 19.898
	RCP2.6	2071-2100	116.111	13.964	2.689 ± 17.458
	RCP4.5	2021-2050	111.746	13.959	-1.172 ± 17.455
	RCP4.5	2071-2100	113.203	18.482	0.117 ± 20.480
	RCP8.5	2021-2050	114.496	12.835	1.260 ± 16.766
	RCP8.5	2071-2100	117.677	17.561	4.073 ± 19.836
ATTICA	Hist	1971-2000	79.244	8.740	0.000 ± 15.598
	RCP2.6	2021-2050	79.356	10.148	0.141 ± 16.901
	RCP2.6	2071-2100	80.012	8.193	0.970 ± 15.117
	RCP4.5	2021-2050	78.282	9.679	-1.214 ± 16.457
	RCP4.5	2071-2100	79.021	12.889	-0.281 ± 19.652

	RCP8.5	2021-2050	82.013	9.263	3.495 ± 16.071
	RCP8.5	2071-2100	79.979	10.354	0.927 ± 17.098
PELOPONNESE	Hist	1971-2000	110.337	16.057	0.000 ± 20.581
	RCP2.6	2021-2050	106.727	14.661	-3.272 ± 19.706
	RCP2.6	2071-2100	110.279	13.796	-0.052 ± 19.186
	RCP4.5	2021-2050	107.376	13.712	-2.684 ± 19.137
	RCP4.5	2071-2100	104.456	13.944	-5.330 ± 19.274
	RCP8.5	2021-2050	109.302	11.926	-0.939 ± 18.128
	RCP8.5	2071-2100	101.224	13.502	-8.260 ± 19.014
NORTH AEGEAN	Hist	1971-2000	92.457	12.395	0.000 ± 18.959
	RCP2.6	2021-2050	95.490	15.280	3.280 ± 21.280
	RCP2.6	2071-2100	96.924	14.939	4.831 ± 20.995
	RCP4.5	2021-2050	94.886	14.629	2.628 ± 20.738
	RCP4.5	2071-2100	95.956	12.438	3.784 ± 18.992
	RCP8.5	2021-2050	97.294	13.421	5.232 ± 19.759
	RCP8.5	2071-2100	95.391	13.867	3.173 ± 20.116
SOUTH AEGEAN	Hist	1971-2000	76.754	7.217	0.000 ± 13.298
	RCP2.6	2021-2050	79.126	9.236	3.090 ± 15.271
	RCP2.6	2071-2100	80.186	8.510	4.471 ± 14.538
	RCP4.5	2021-2050	77.689	7.861	1.217 ± 13.904
	RCP4.5	2071-2100	79.149	7.736	3.120 ± 13.784
	RCP8.5	2021-2050	80.342	9.650	4.674 ± 15.699
	RCP8.5	2071-2100	75.322	8.278	-1.867 ± 14.309
CRETE	Hist	1971-2000	115.866	20.665	0.000 ± 25.224
	RCP2.6	2021-2050	111.909	18.016	-3.415 ± 23.662
	RCP2.6	2071-2100	114.559	20.785	-1.128 ± 25.297
	RCP4.5	2021-2050	110.589	17.204	-4.554 ± 23.207
	RCP4.5	2071-2100	111.547	19.309	-3.727 ± 24.410
	RCP8.5	2021-2050	113.187	17.810	-2.312 ± 23.546
	RCP8.5	2071-2100	100.869	15.621	-12.943 ± 22.358

Table S5 - RxTratio (pages 15-17)

Subreg.	Mode	Period	Mean	StDev	Mean diff. $\pm 1\sigma$
EASTERN MACEDONIA & THRACE	Hist	1971-2000	0.078	0.012	0.000 \pm 0.017
	RCP2.6	2021-2050	0.083	0.015	0.005 \pm 0.019
	RCP2.6	2071-2100	0.081	0.014	0.003 \pm 0.018
	RCP4.5	2021-2050	0.080	0.014	0.002 \pm 0.018
	RCP4.5	2071-2100	0.087	0.015	0.009 \pm 0.019
	RCP8.5	2021-2050	0.082	0.013	0.004 \pm 0.018
	RCP8.5	2071-2100	0.097	0.017	0.019 \pm 0.021
CENTRAL MACEDONIA & ATHOS	Hist	1971-2000	0.085	0.012	0.000 \pm 0.016
	RCP2.6	2021-2050	0.090	0.012	0.005 \pm 0.017
	RCP2.6	2071-2100	0.088	0.013	0.002 \pm 0.017
	RCP4.5	2021-2050	0.088	0.013	0.003 \pm 0.018
	RCP4.5	2071-2100	0.093	0.014	0.008 \pm 0.018
	RCP8.5	2021-2050	0.089	0.014	0.004 \pm 0.018
	RCP8.5	2071-2100	0.106	0.016	0.020 \pm 0.020
WESTERN MACEDONIA	Hist	1971-2000	0.066	0.008	0.000 \pm 0.011
	RCP2.6	2021-2050	0.070	0.008	0.004 \pm 0.011
	RCP2.6	2071-2100	0.070	0.008	0.004 \pm 0.011
	RCP4.5	2021-2050	0.070	0.010	0.004 \pm 0.013
	RCP4.5	2071-2100	0.074	0.011	0.009 \pm 0.014
	RCP8.5	2021-2050	0.069	0.009	0.003 \pm 0.012
	RCP8.5	2071-2100	0.083	0.012	0.018 \pm 0.014
EPIRUS	Hist	1971-2000	0.055	0.010	0.000 \pm 0.014
	RCP2.6	2021-2050	0.059	0.011	0.004 \pm 0.015
	RCP2.6	2071-2100	0.058	0.011	0.003 \pm 0.015
	RCP4.5	2021-2050	0.058	0.012	0.003 \pm 0.015
	RCP4.5	2071-2100	0.061	0.011	0.007 \pm 0.014
	RCP8.5	2021-2050	0.059	0.012	0.004 \pm 0.016
	RCP8.5	2071-2100	0.069	0.014	0.014 \pm 0.017

THESSALY	Hist	1971-2000	0.085	0.012	0.000 ± 0.016
	RCP2.6	2021-2050	0.090	0.013	0.005 ± 0.018
	RCP2.6	2071-2100	0.089	0.014	0.004 ± 0.018
	RCP4.5	2021-2050	0.089	0.014	0.004 ± 0.018
	RCP4.5	2071-2100	0.095	0.015	0.010 ± 0.019
	RCP8.5	2021-2050	0.090	0.015	0.005 ± 0.019
	RCP8.5	2071-2100	0.109	0.021	0.024 ± 0.024
IONIAN ISLANDS	Hist	1971-2000	0.060	0.011	0.000 ± 0.015
	RCP2.6	2021-2050	0.063	0.010	0.003 ± 0.015
	RCP2.6	2071-2100	0.063	0.011	0.002 ± 0.015
	RCP4.5	2021-2050	0.062	0.012	0.001 ± 0.016
	RCP4.5	2071-2100	0.068	0.012	0.007 ± 0.016
	RCP8.5	2021-2050	0.064	0.012	0.003 ± 0.016
	RCP8.5	2071-2100	0.080	0.018	0.020 ± 0.021
WESTERN GREECE	Hist	1971-2000	0.059	0.010	0.000 ± 0.014
	RCP2.6	2021-2050	0.061	0.011	0.003 ± 0.015
	RCP2.6	2071-2100	0.061	0.011	0.002 ± 0.015
	RCP4.5	2021-2050	0.061	0.012	0.002 ± 0.015
	RCP4.5	2071-2100	0.065	0.012	0.007 ± 0.016
	RCP8.5	2021-2050	0.062	0.011	0.003 ± 0.015
	RCP8.5	2071-2100	0.077	0.015	0.019 ± 0.018
CENTRAL GREECE	Hist	1971-2000	0.082	0.013	0.000 ± 0.018
	RCP2.6	2021-2050	0.085	0.015	0.004 ± 0.020
	RCP2.6	2071-2100	0.085	0.014	0.003 ± 0.019
	RCP4.5	2021-2050	0.086	0.015	0.004 ± 0.020
	RCP4.5	2071-2100	0.089	0.015	0.008 ± 0.019
	RCP8.5	2021-2050	0.087	0.016	0.006 ± 0.020
	RCP8.5	2071-2100	0.106	0.023	0.025 ± 0.026
ATTICA	Hist	1971-2000	0.095	0.012	0.000 ± 0.017
	RCP2.6	2021-2050	0.101	0.017	0.006 ± 0.021
	RCP2.6	2071-2100	0.099	0.015	0.005 ± 0.019
	RCP4.5	2021-2050	0.101	0.016	0.006 ± 0.020
	RCP4.5	2071-2100	0.107	0.016	0.013 ± 0.020

	RCP8.5	2021-2050	0.103	0.017	0.009 ± 0.021
	RCP8.5	2071-2100	0.126	0.023	0.031 ± 0.026
PELOPONNESE	Hist	1971-2000	0.079	0.014	0.000 ± 0.020
	RCP2.6	2021-2050	0.083	0.016	0.004 ± 0.021
	RCP2.6	2071-2100	0.084	0.015	0.005 ± 0.020
	RCP4.5	2021-2050	0.082	0.016	0.003 ± 0.021
	RCP4.5	2071-2100	0.088	0.017	0.009 ± 0.022
	RCP8.5	2021-2050	0.087	0.017	0.008 ± 0.022
	RCP8.5	2071-2100	0.102	0.022	0.023 ± 0.026
NORTH AEGEAN	Hist	1971-2000	0.080	0.013	0.000 ± 0.019
	RCP2.6	2021-2050	0.085	0.014	0.005 ± 0.019
	RCP2.6	2071-2100	0.082	0.013	0.003 ± 0.019
	RCP4.5	2021-2050	0.082	0.015	0.002 ± 0.020
	RCP4.5	2071-2100	0.089	0.014	0.009 ± 0.019
	RCP8.5	2021-2050	0.085	0.014	0.005 ± 0.020
	RCP8.5	2071-2100	0.103	0.018	0.023 ± 0.022
SOUTH AEGEAN	Hist	1971-2000	0.080	0.011	0.000 ± 0.015
	RCP2.6	2021-2050	0.088	0.012	0.008 ± 0.016
	RCP2.6	2071-2100	0.084	0.011	0.004 ± 0.016
	RCP4.5	2021-2050	0.087	0.012	0.007 ± 0.016
	RCP4.5	2071-2100	0.093	0.013	0.013 ± 0.017
	RCP8.5	2021-2050	0.088	0.013	0.008 ± 0.017
	RCP8.5	2071-2100	0.109	0.020	0.029 ± 0.023
CRETE	Hist	1971-2000	0.079	0.019	0.000 ± 0.026
	RCP2.6	2021-2050	0.087	0.021	0.008 ± 0.028
	RCP2.6	2071-2100	0.085	0.018	0.006 ± 0.026
	RCP4.5	2021-2050	0.085	0.022	0.006 ± 0.029
	RCP4.5	2071-2100	0.091	0.022	0.012 ± 0.029
	RCP8.5	2021-2050	0.088	0.019	0.009 ± 0.027
	RCP8.5	2071-2100	0.106	0.030	0.027 ± 0.036

Figure S1- MB (page 18)

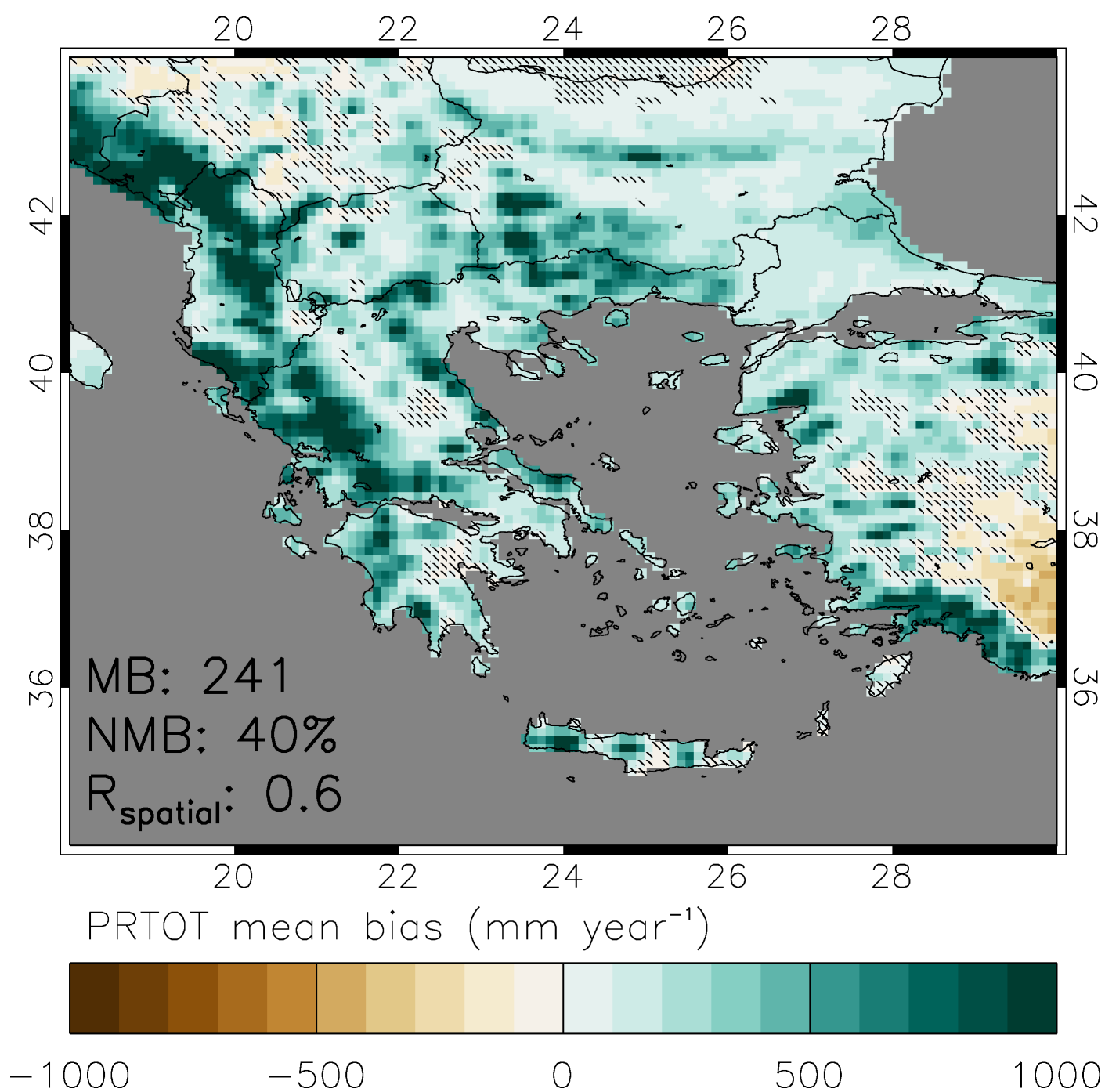


Figure S2- Rx1day (pages 19-23)

