

Supporting Information for "Projected climate-driven changes of water table depth in the world's major groundwater basins"

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2015

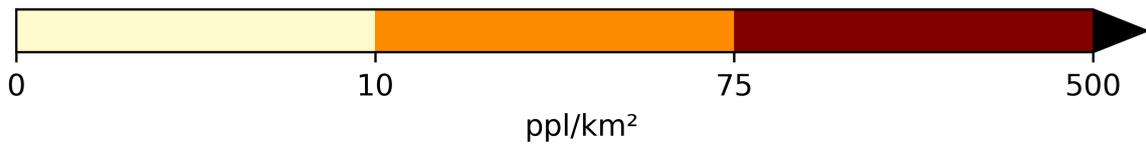
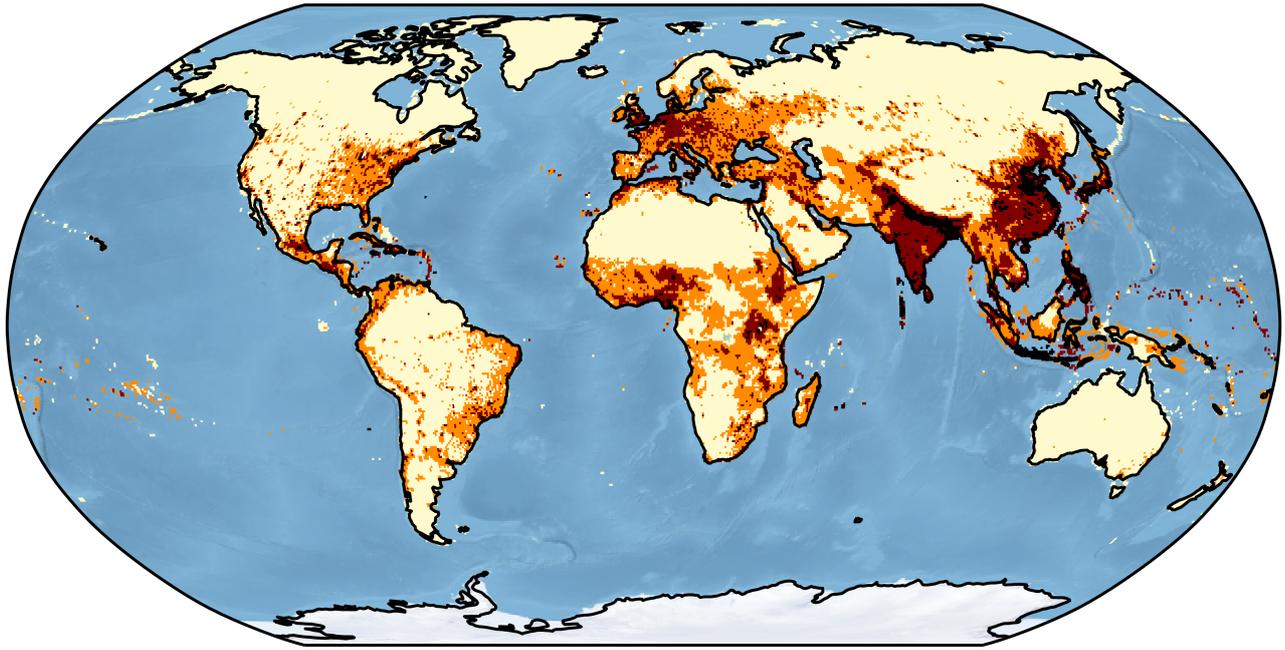


Figure S1. Population densities in people pr km² in 2015 provided by the SEDAC

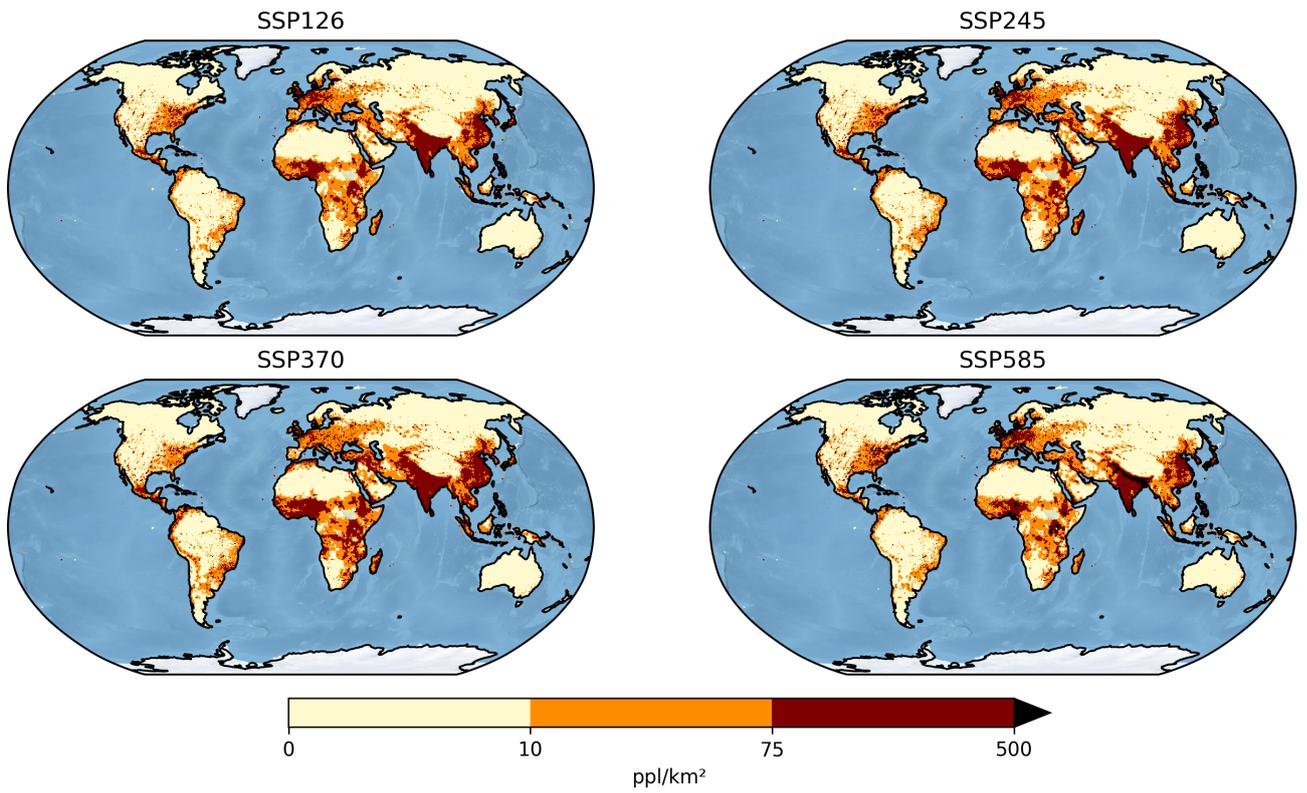


Figure S2. Projections of population densities in people pr km² in 2100 for each SSP scenario

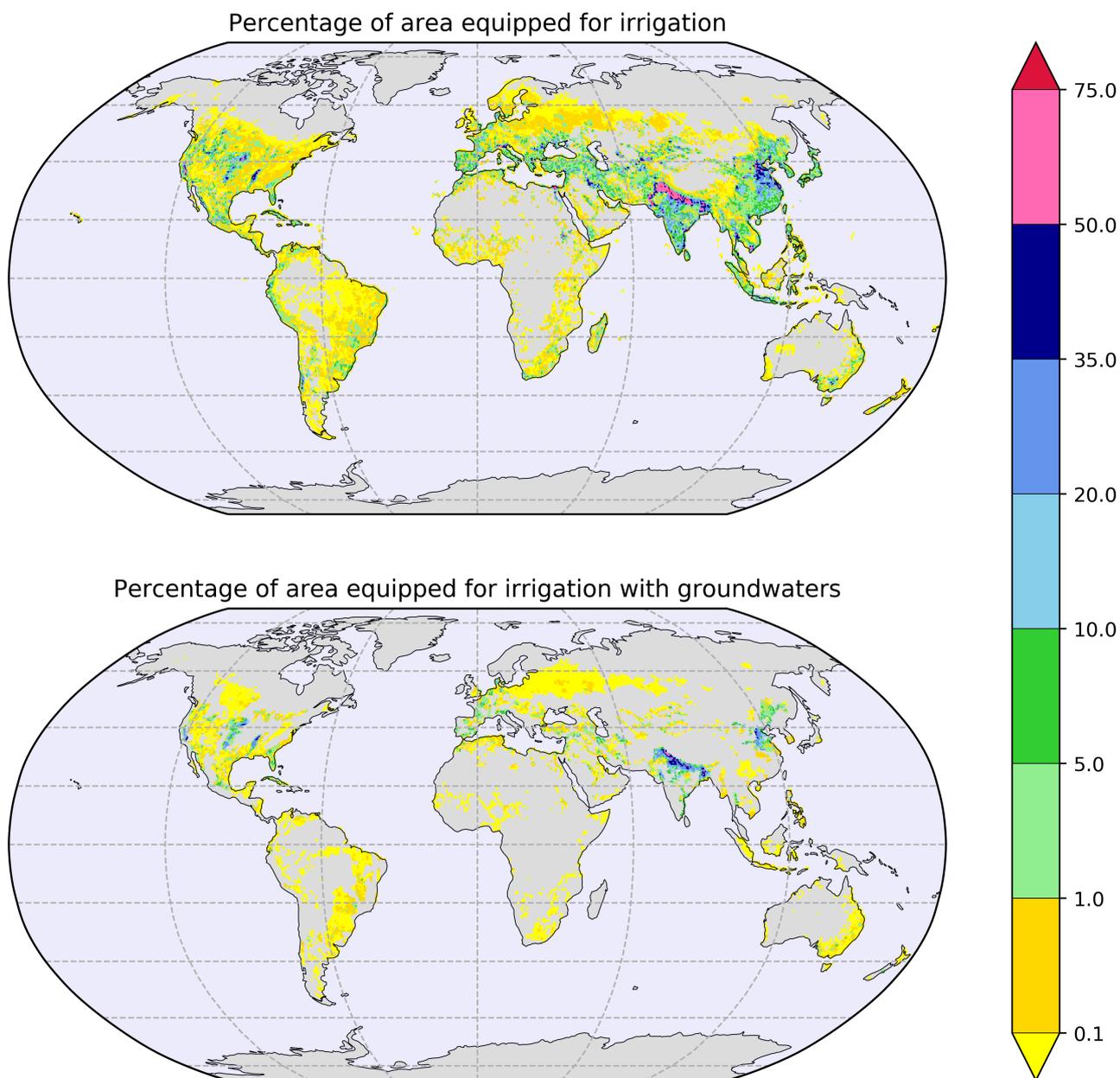


Figure S3. Present-day irrigation maps from FAO and Siebert et al. (2010), expressed in percentage of cell area. Top: Percentage of area equipped for irrigation. Bottom: Percentage of area equipped for irrigation with groundwater.

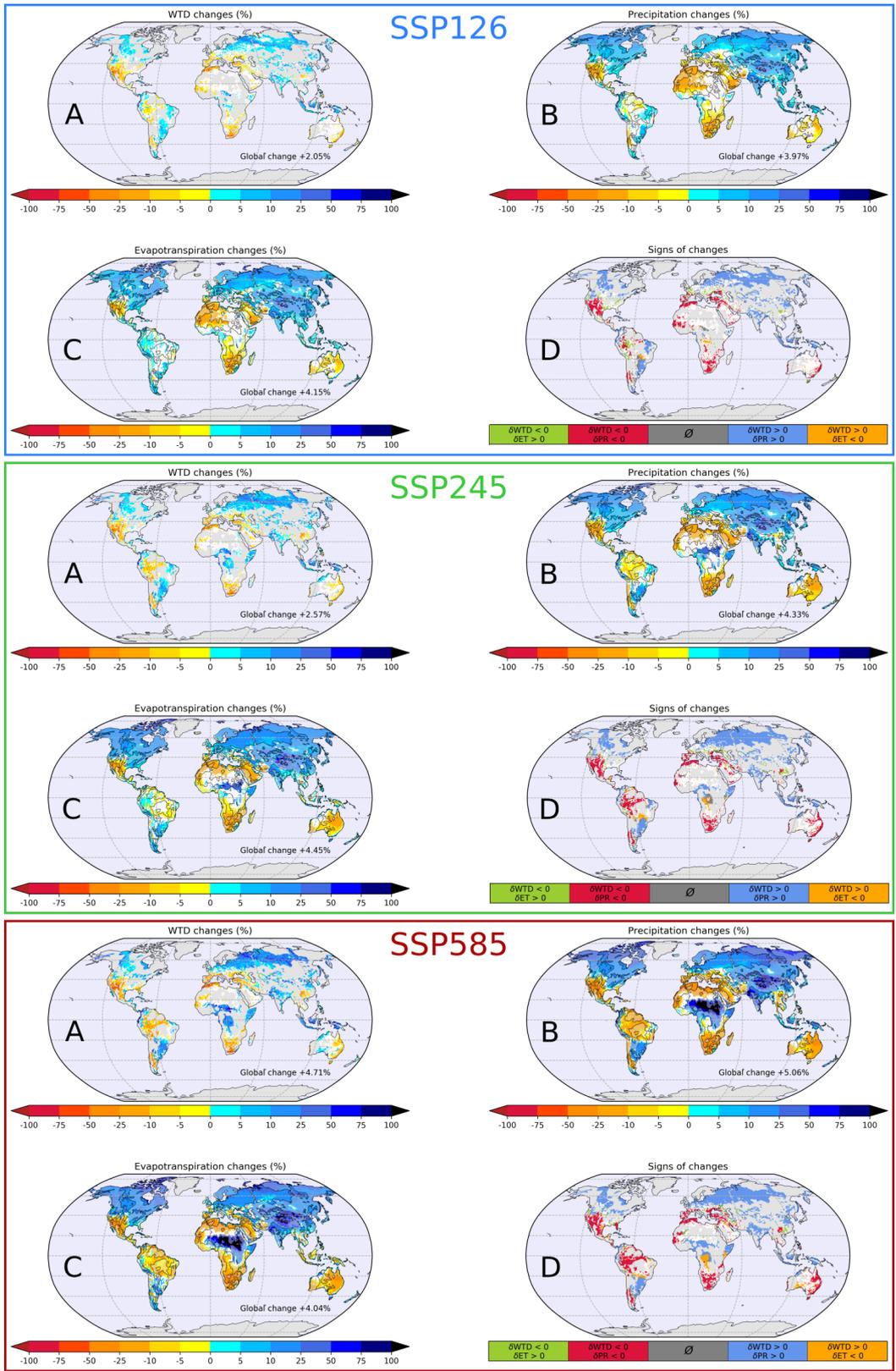


Figure S4. Same as Fig.3 but for the other SSP scenarios

	Not Significant	Groundwater Depletion				Groundwater Rising			
		<10 ppl/km ²	[10;75] ppl/km ²	>75 ppl/km ²	all	<10 ppl/km ²	[10;75] ppl/km ²	>75 ppl/km ²	all
SSP126	0.8%	0.6%	0.5%	2.7%	0.9%	0.1%	0.2%	5.9%	1.1%
SSP245	0.8%	0.4%	0.7%	2.7%	0.9%	0.2%	0.2%	4.9%	1.0%
SSP370	0.5%	0.2%	0.9%	2.0%	0.8%	0.2%	0.2%	4.8%	1.2%
SSP585	0.5%	0.3%	0.6%	2.8%	0.9%	0.2%	0.1%	5.4%	1.2%

Figure S5. The table gives, for each scenario and each section of the pie charts of Fig.8, the percentage of the area equipped for groundwater irrigation.

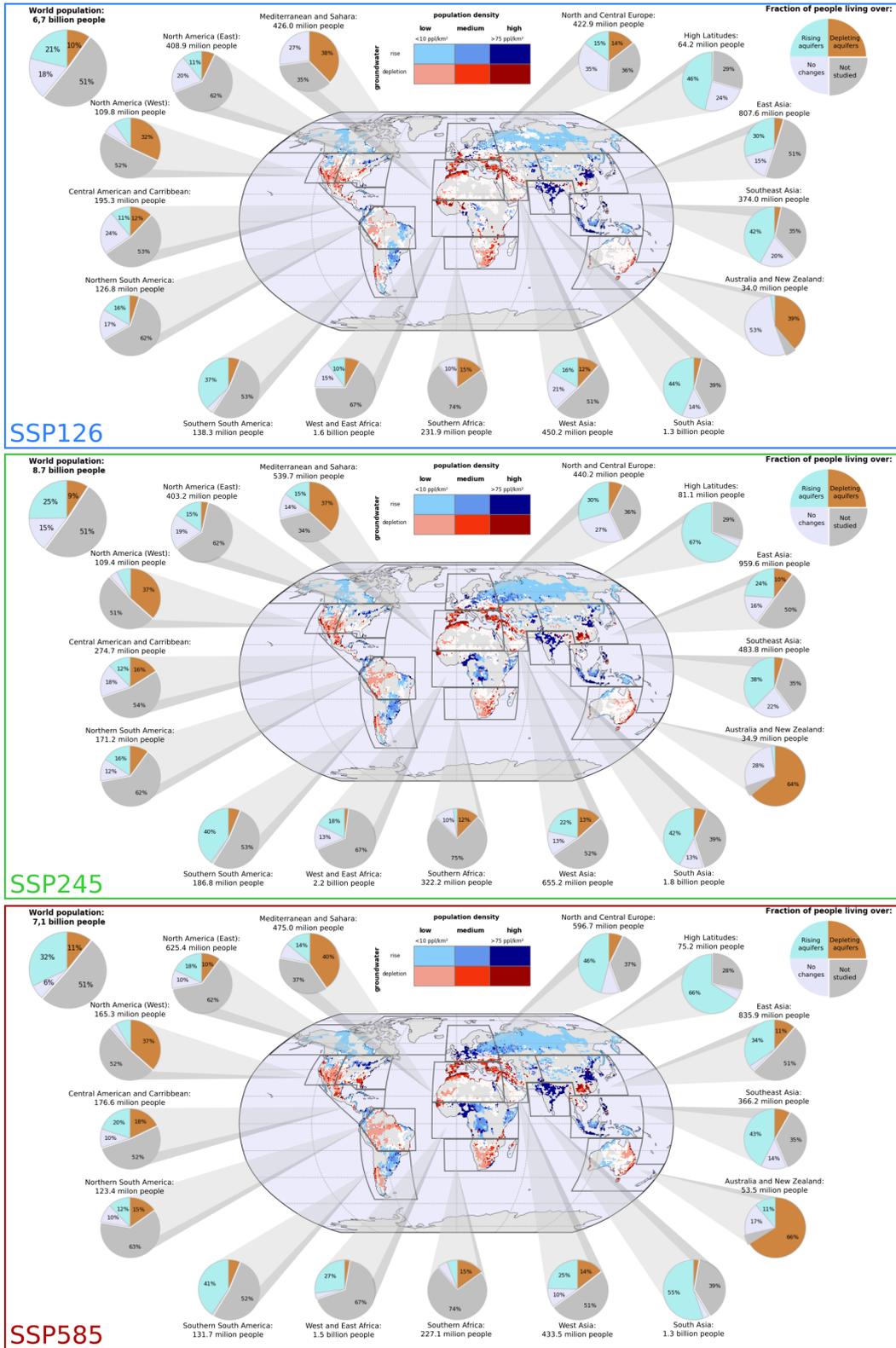


Figure S6. Same as Fig.9 but for the other SSP scenarios

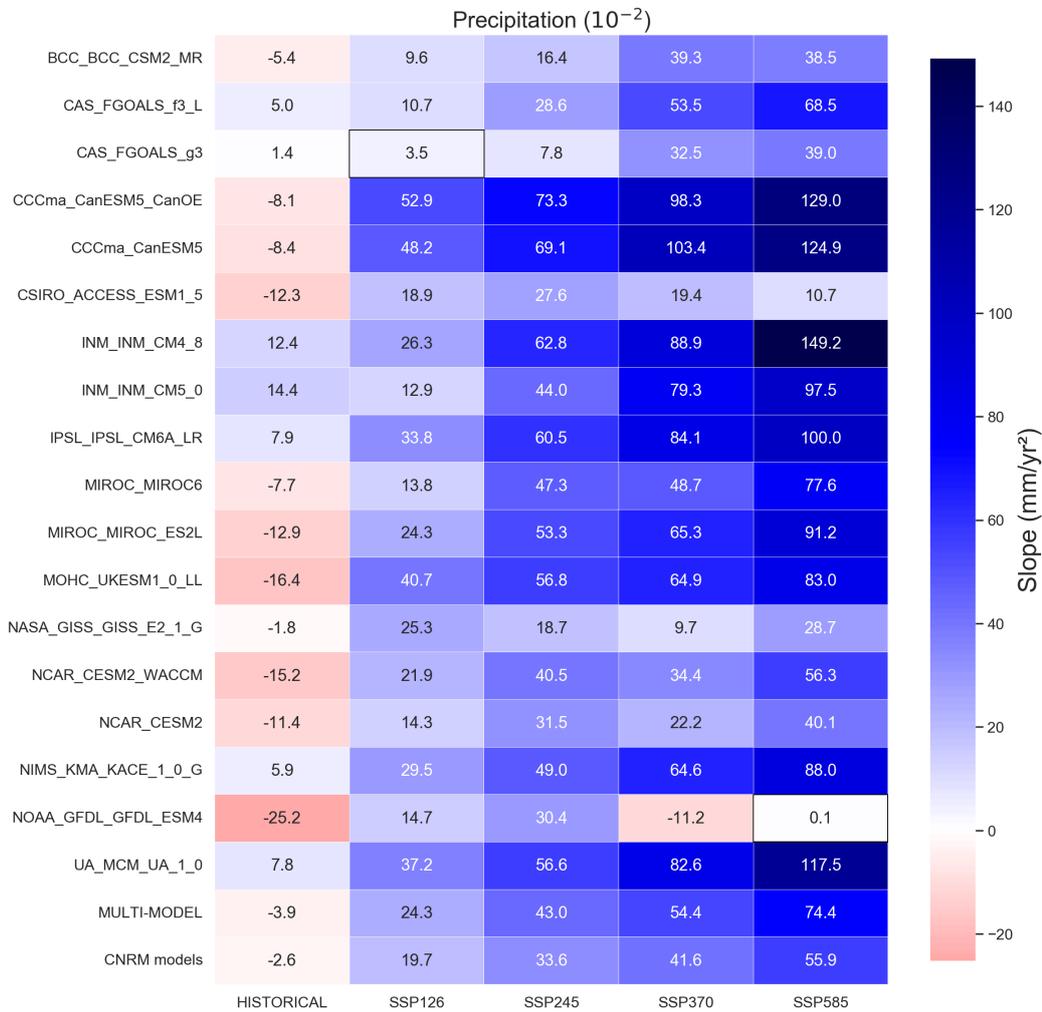


Figure S7. Slope in mm/yr^2 of the linear regression of each time-series for all the models and all the scenarios presented in Fig.5. The encircled boxes indicates that the slope is not significantly different from 0.

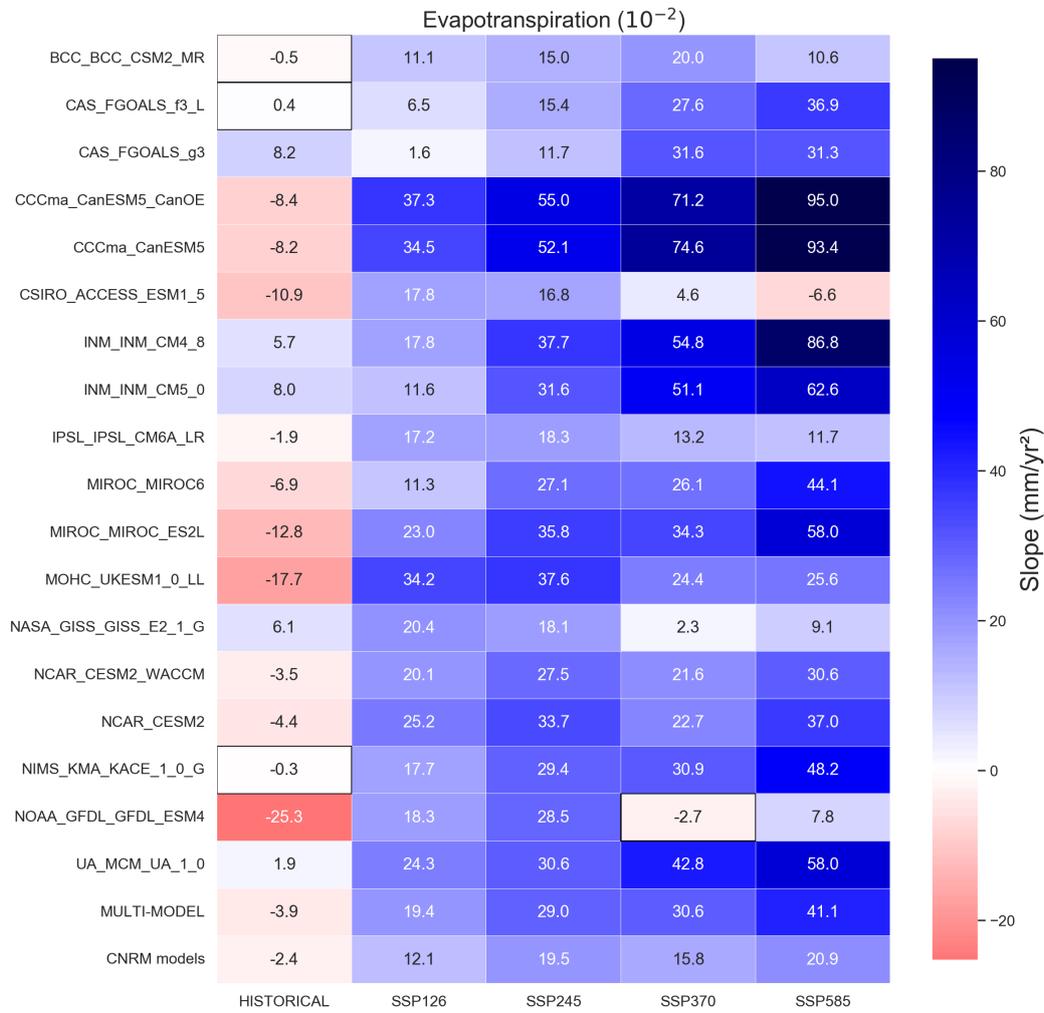


Figure S8. Same as Fig.S7 but for the times-series presented in Fig.6.