

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

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1. Figures S1 to S6

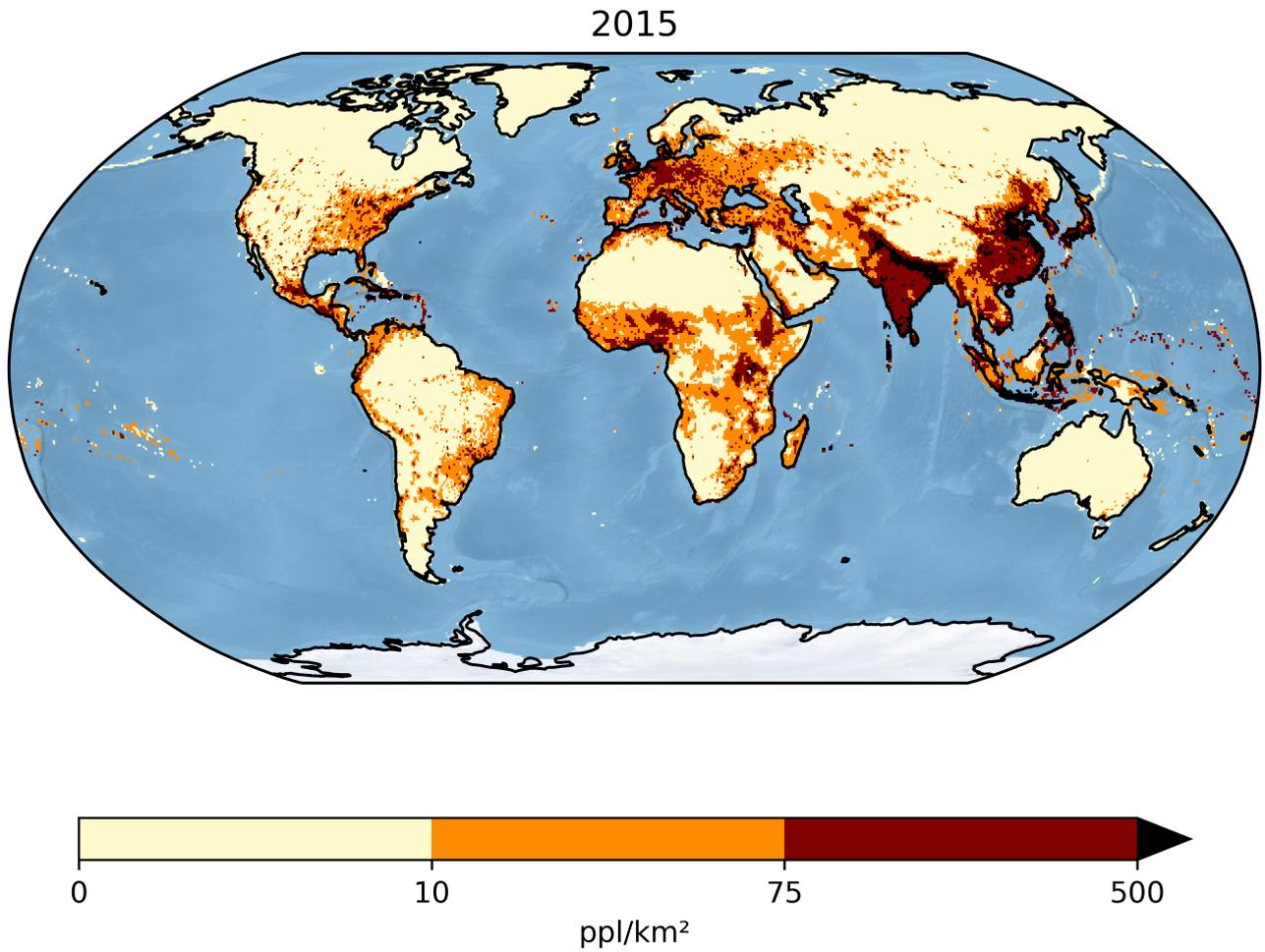


Figure S1. Population densities in people pr km² in 2015 provided by the SEDAC

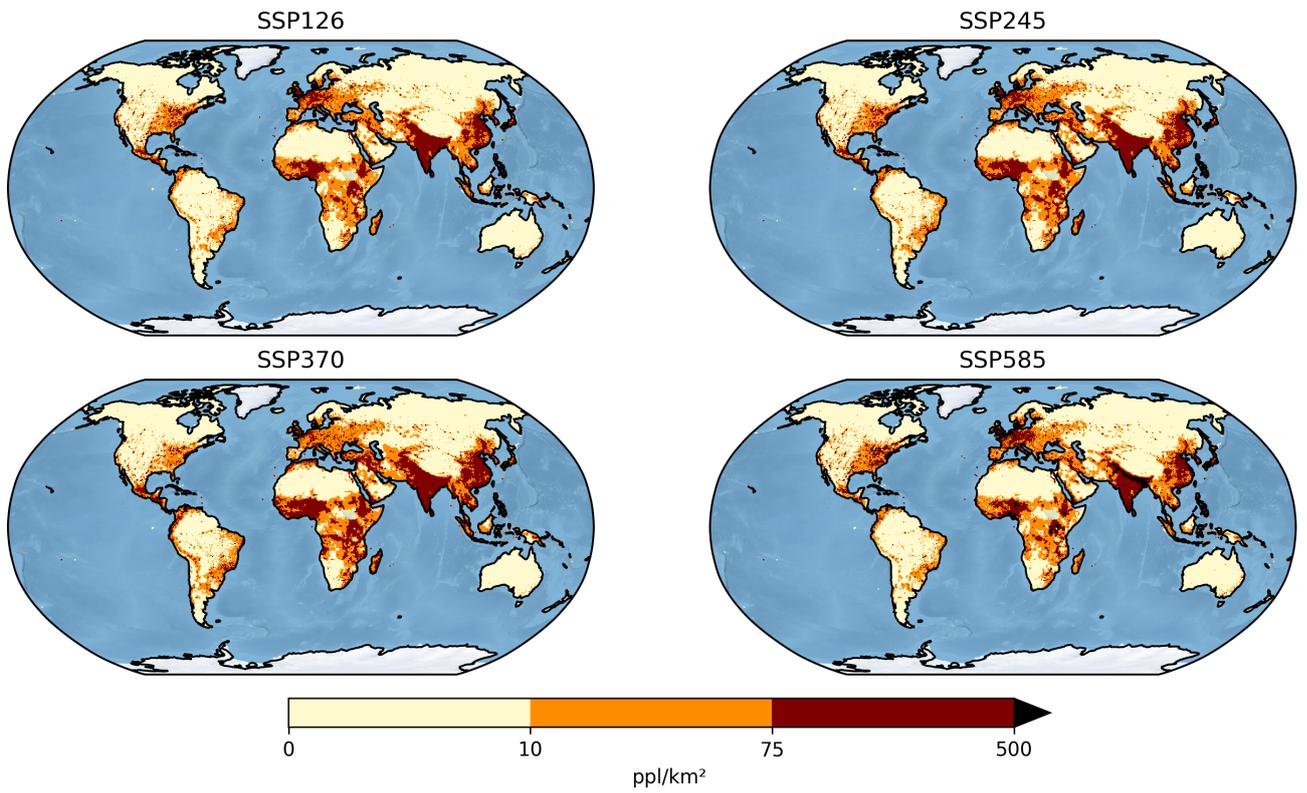


Figure S2. Projections of population densities in people pr km² in 2100 for each SSP scenario

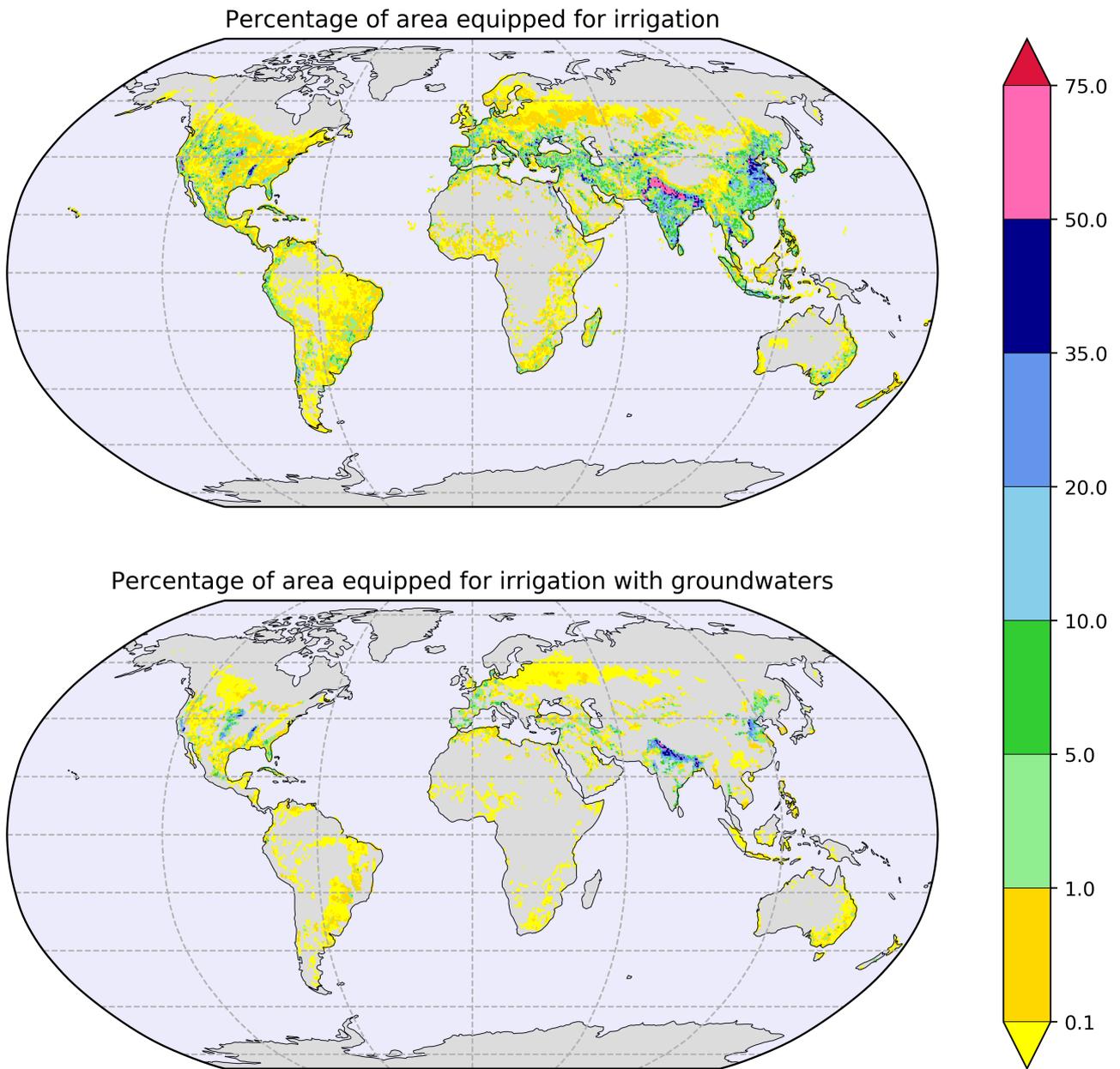


Figure S3. Present-day irrigation maps from FAO and Siebert et al. (2010), expressed in percentage of cell area. Top: Percentage of area equipped for irrigation. Bottom: Percentage of area equipped for irrigation with groundwater.

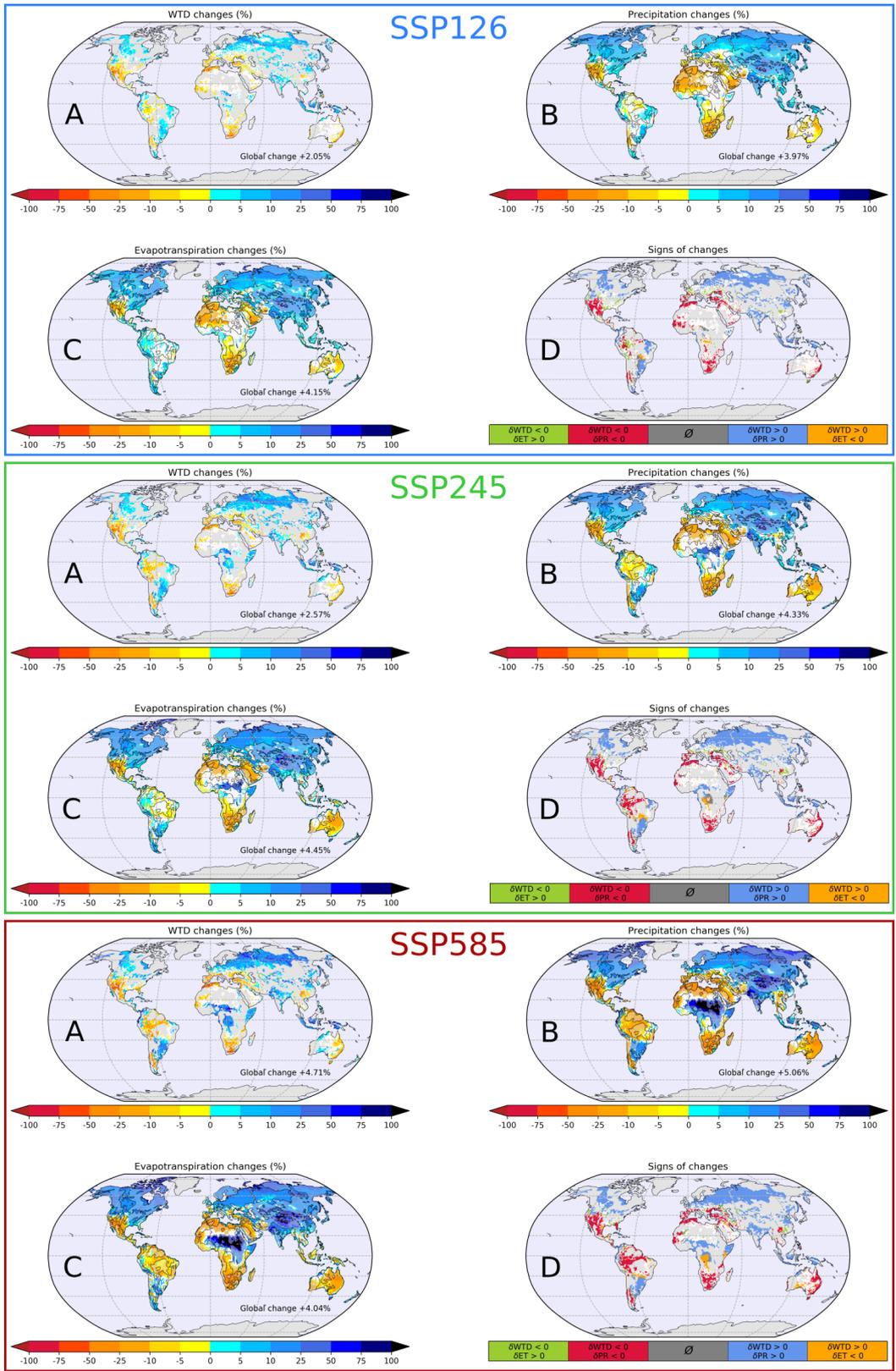


Figure S4. Same as Fig.3 but for the other SSP scenarios

| | 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.

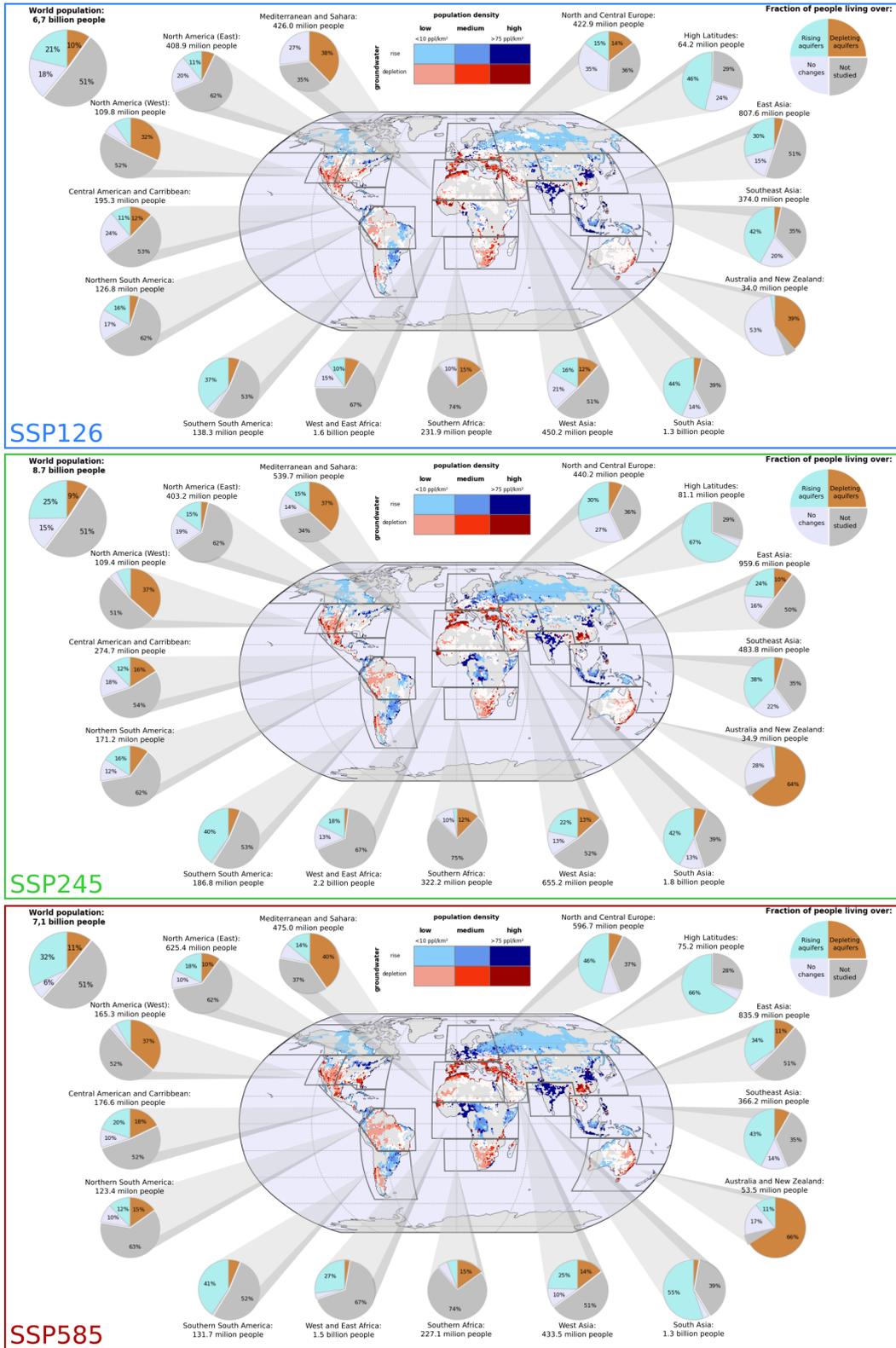


Figure S6. Same as Fig.9 but for the other SSP scenarios