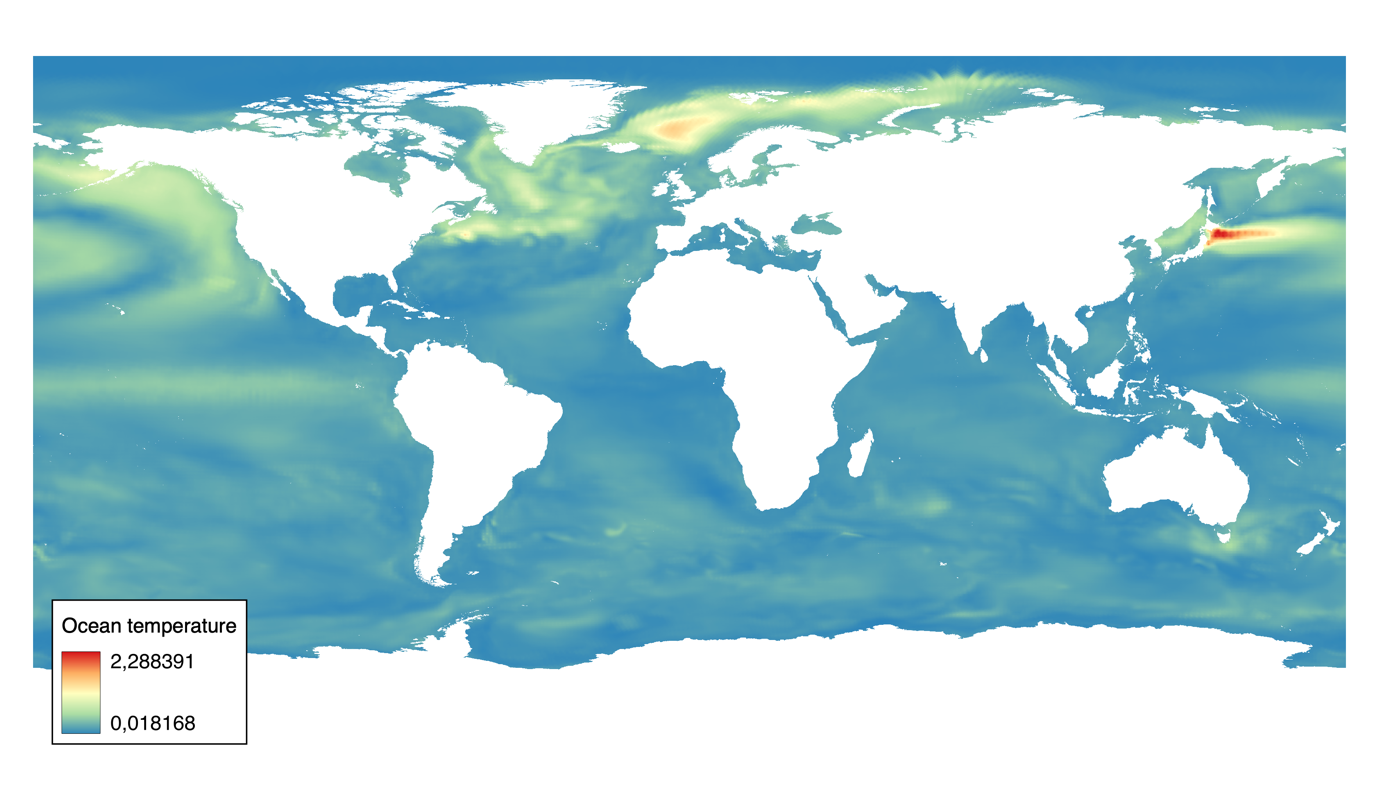
**Supplementary information 2**

**Standard deviation of the ensemble of Earth System Models**

Figure 1. Standard deviation of the ensemble of the Earth System Models projecting ocean temperature (ºC) for the decade 2020-2030 under SSP1-1.9. Please refer to the data availability statement for additional time periods, scenarios, and variables.

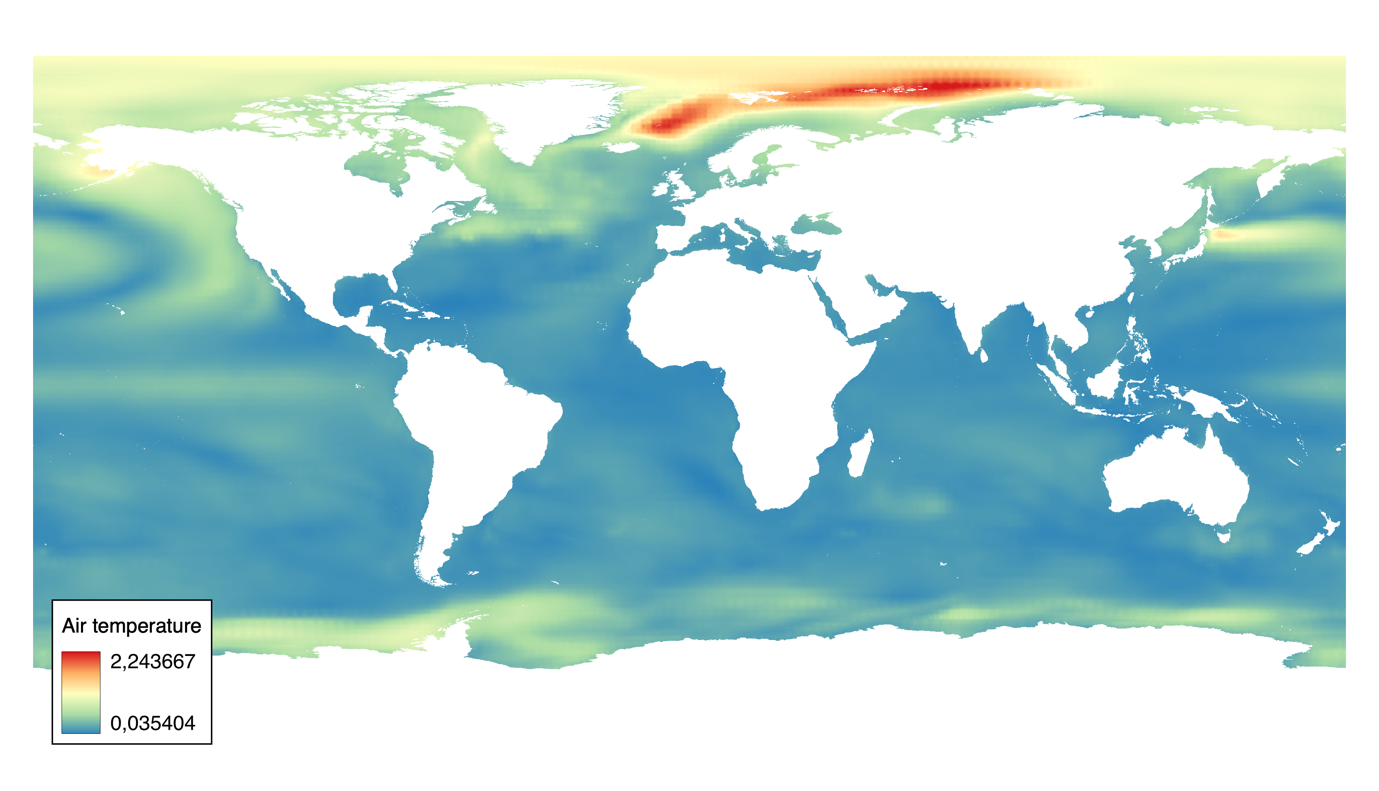


Figure 2. Standard deviation of the ensemble of the Earth System Models projecting air temperature (ºC) for the decade 2020-2030 under SSP1-1.9. Please refer to the data availability statement for additional time periods, scenarios, and variables.

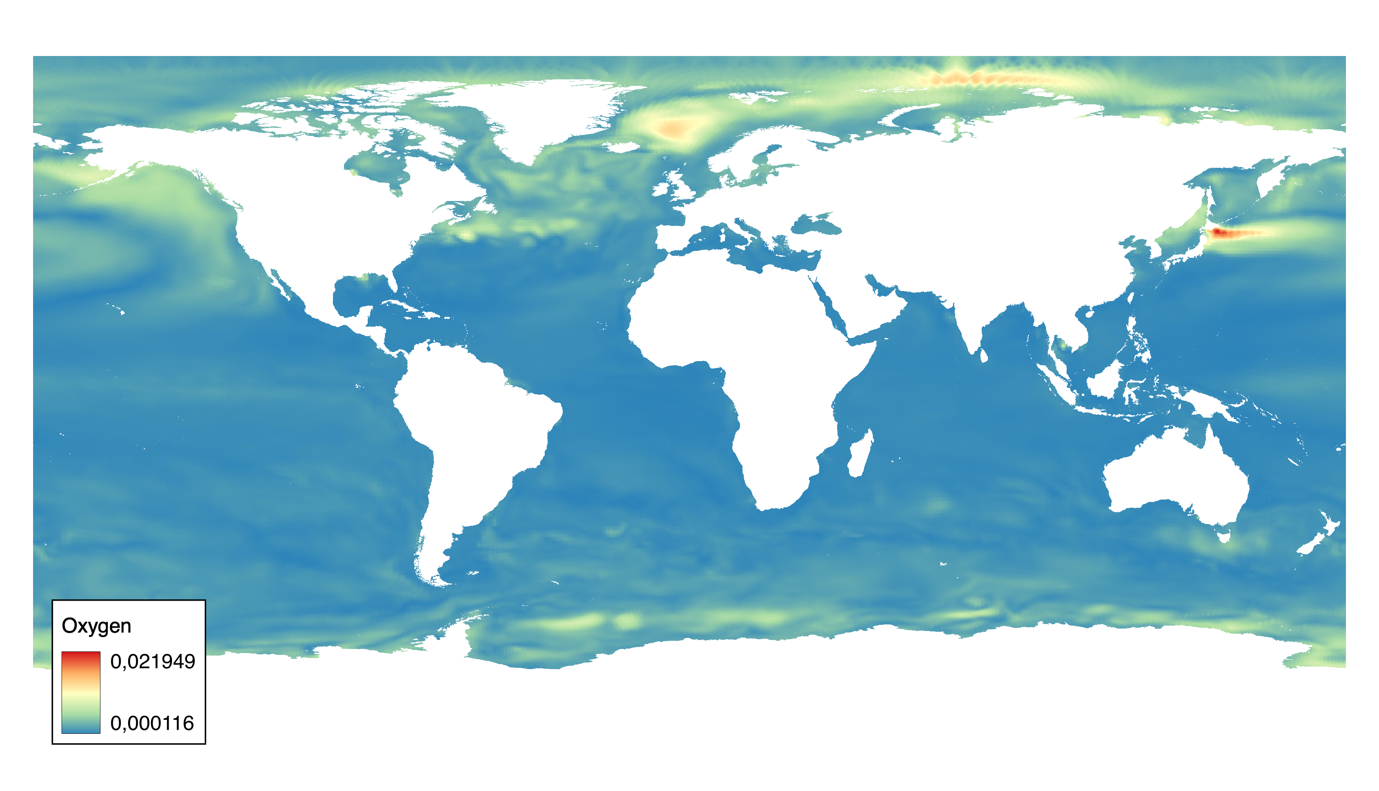


Figure 3. Standard deviation of the ensemble of the Earth System Models projecting dissolved oxygen (mmol . m-3) for the decade 2020-2030 under SSP1-1.9. Please refer to the data availability statement for additional time periods, scenarios, and variables.

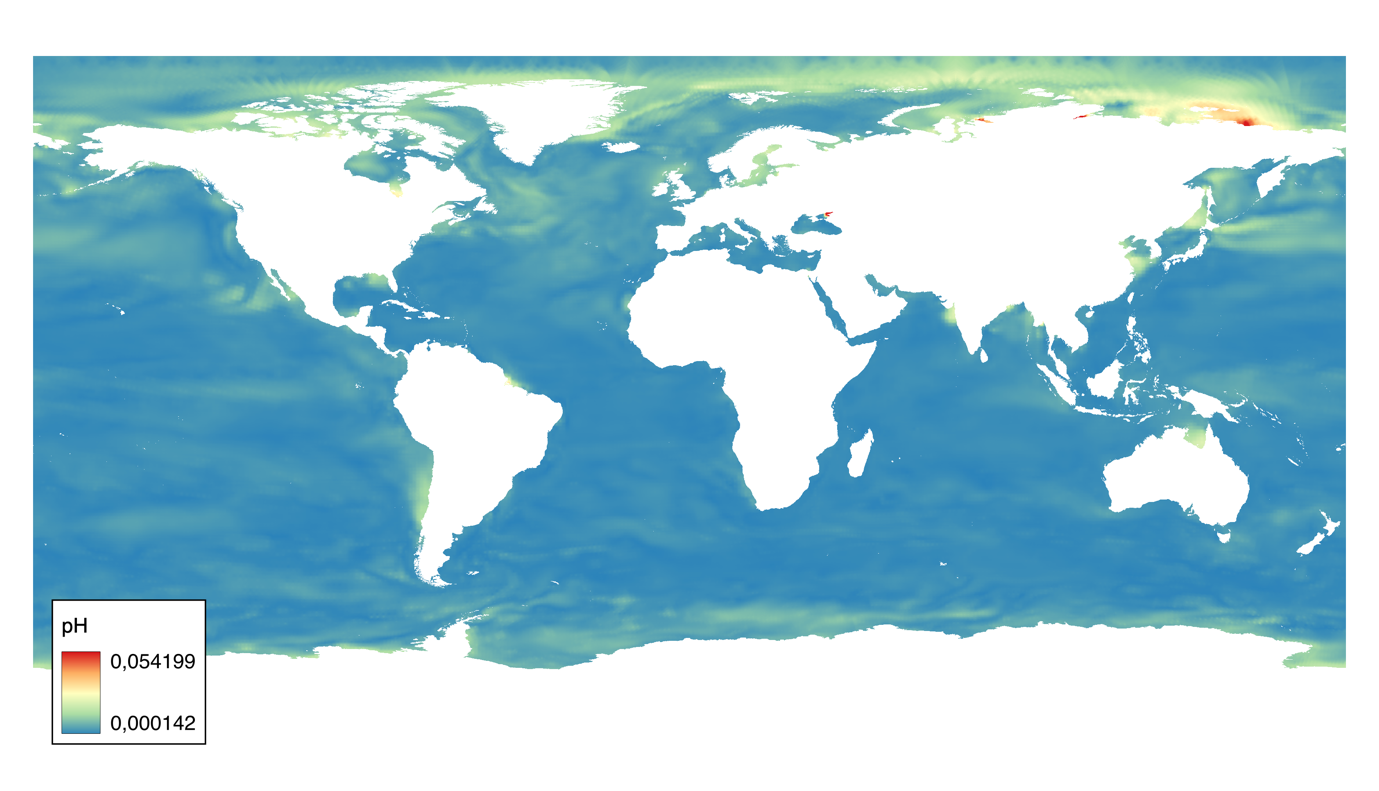


Figure 4. Standard deviation of the ensemble of the Earth System Models projecting pH for the decade 2020-2030 under SSP1-1.9. Please refer to the data availability statement for additional time periods, scenarios, and variables.

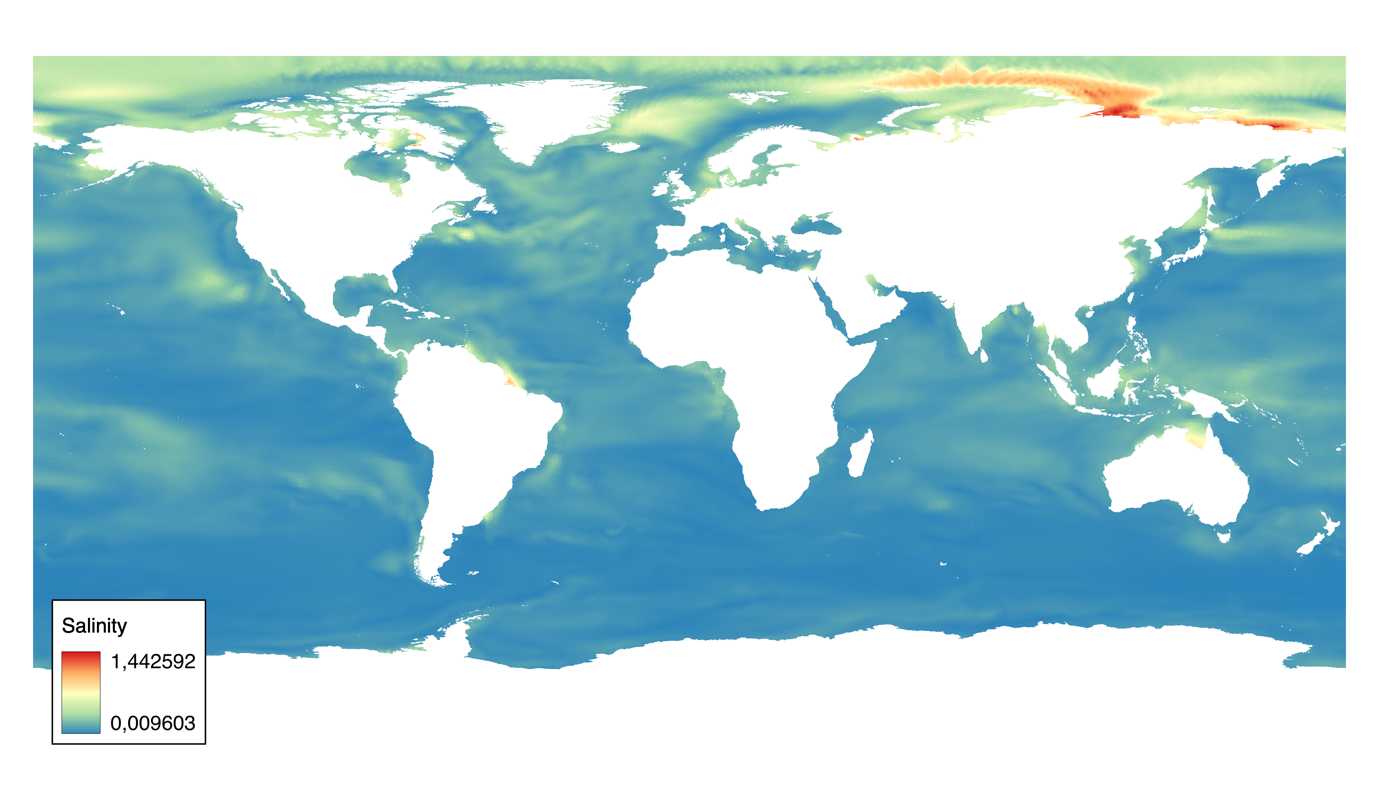


Figure 5. Standard deviation of the ensemble of the Earth System Models projecting salinity for the decade 2020-2030 under SSP1-1.9. Please refer to the data availability statement for additional time periods, scenarios, and variables.

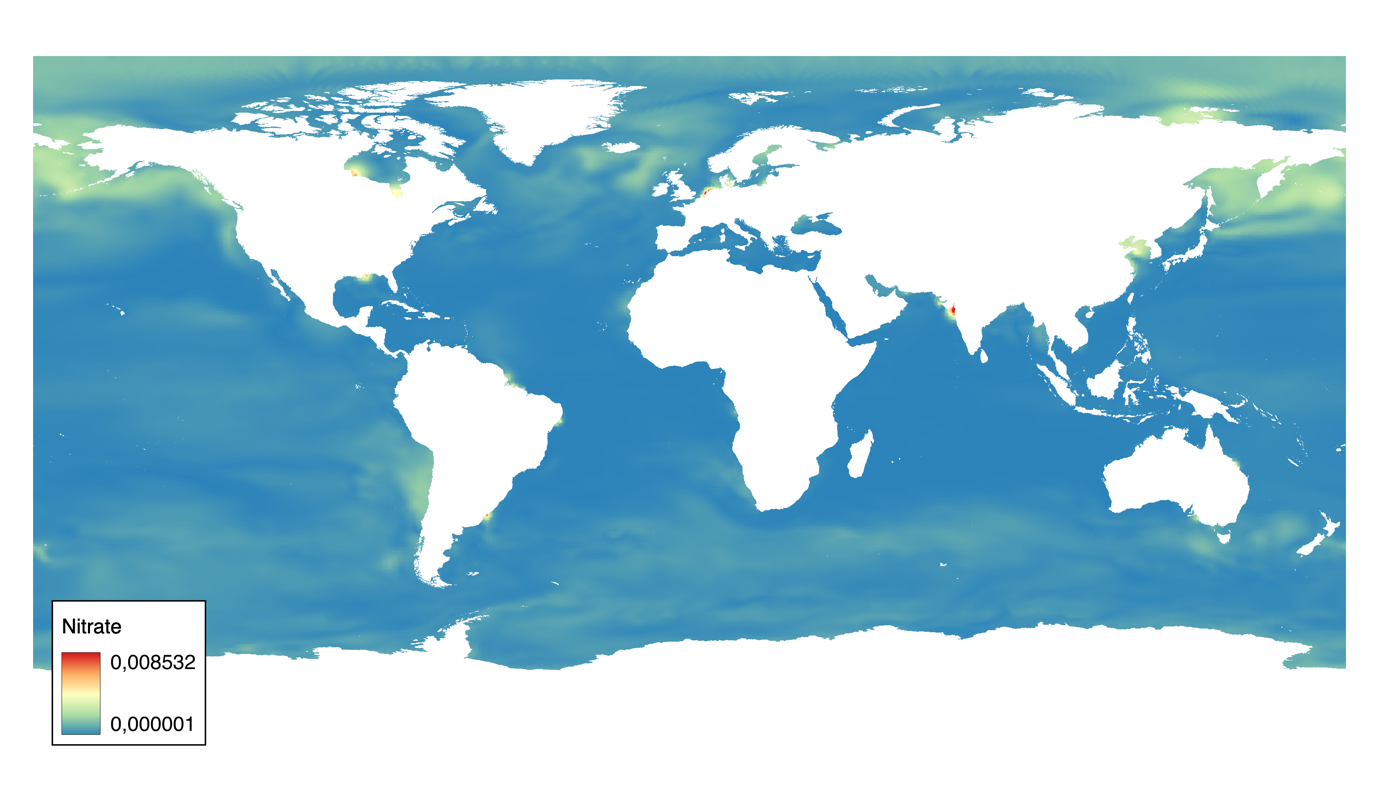


Figure 6. Standard deviation of the ensemble of the Earth System Models projecting nitrate (mmol . m-3) for the decade 2020-2030 under SSP1-1.9. Please refer to the data availability statement for additional time periods, scenarios, and variables.

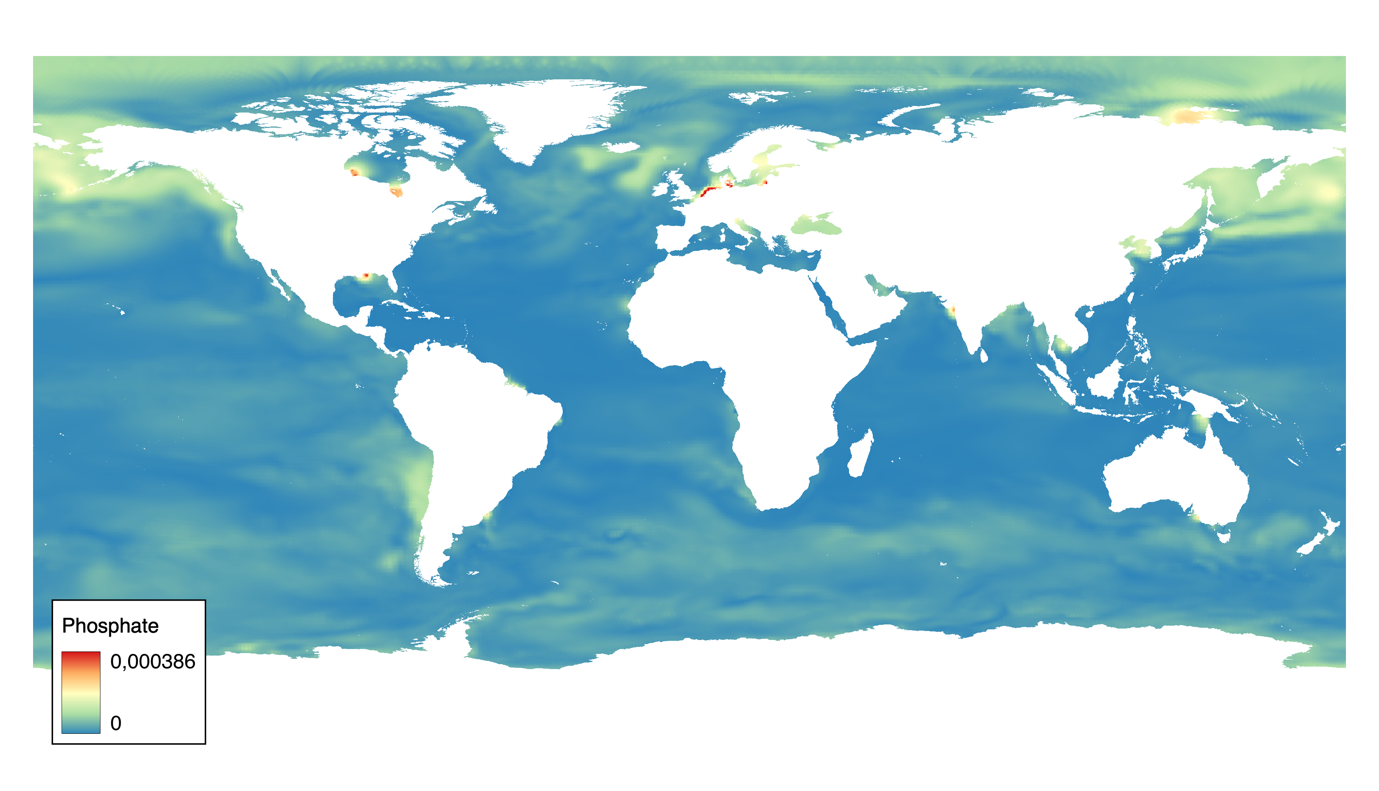


Figure 7. Standard deviation of the ensemble of the Earth System Models projecting phosphate (mmol . m-3) for the decade 2020-2030 under SSP1-1.9. Please refer to the data availability statement for additional time periods, scenarios, and variables.

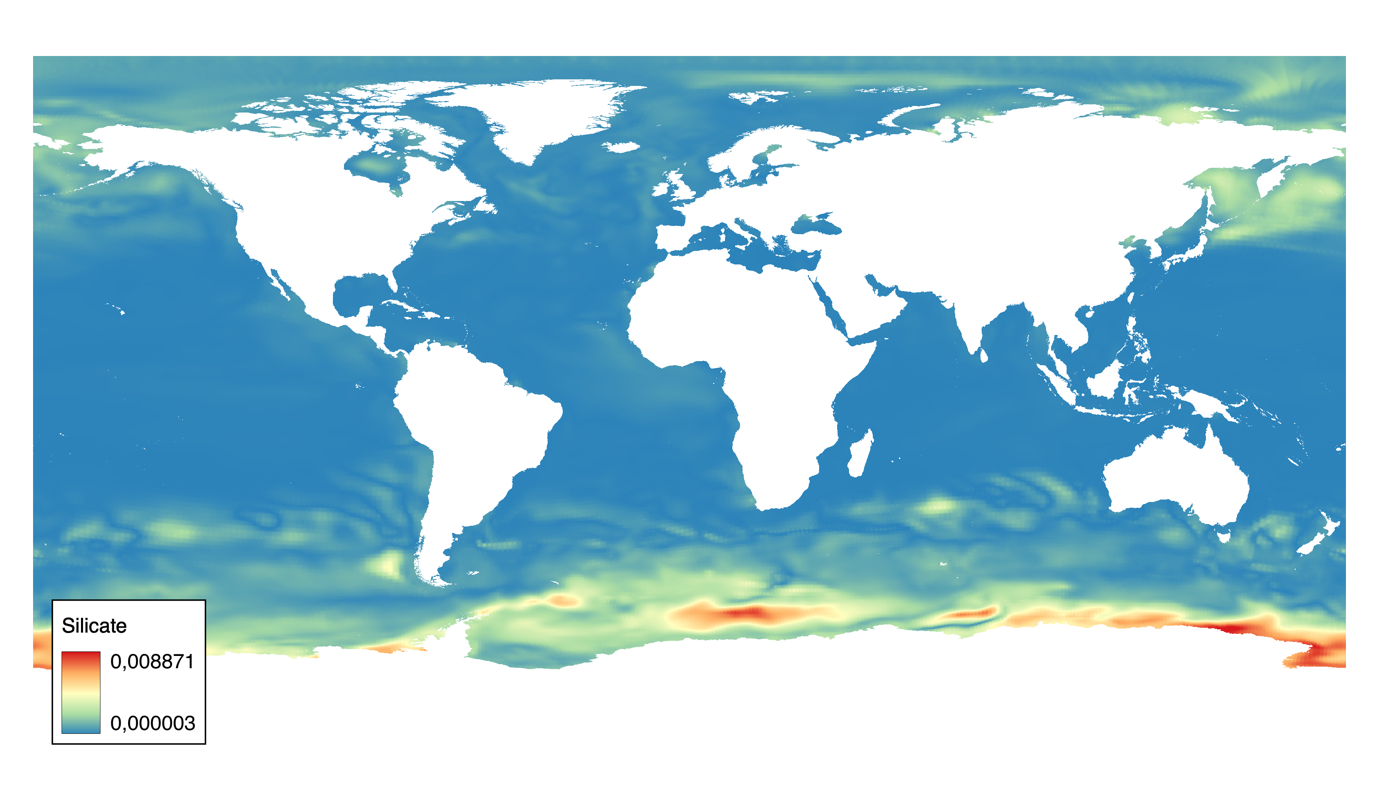


Figure 8. Standard deviation of the ensemble of the Earth System Models projecting silicate (mmol . m-3) for the decade 2020-2030 under SSP1-1.9. Please refer to the data availability statement for additional time periods, scenarios, and variables.