



Constructing temperature-dependent regional sea level scenarios

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Scenarios for 21st century regional sea-level change are constructed using output from 42 coupled global climate models that contributed to the CMIP5 database. Global temperature change is used as a steering variable, rather than the more widely used stratification across different representative concentration pathways (RCPS), as in for example the latest IPCC-report. All major contributors to sea-level rise are included, except for glacial isostatic adjustment. The main target area is the Dutch coast for which the effects of sea-level rise become increasingly relevant.