

Yemen Climate Change Indices

Variable	Value
1. Temperature*	
December January February (DJF) Temp Mean Change (degree C) (2030-2050, compared to 1980-1999) (8 GCMs, A1B scenario)	1.51
2. Precipitation*	
December January February (DJF) Precip Mean Change (%) (2030-2050, compared to 1980-1999, 11 GCMs; A1B scenario)	14.56
Min across country (%)	8.26
Max across country (%)	35.41
Mean Model Concordance (% models that agree with sign of change)	64
3. Drought indicators*	
Change in (Max) Consecutive Dry Days (2030 - 2050, compared to 1980 - 1999, 8 GCMs; A1B scenario)	-4
Mean Model Concordance (% models that agree with sign of change)	61
Change in r5d (max. rain over 5 day period) (%) (2030 - 2050, compared to 1980 - 1999, 8 GCMs; A1B scenario)	23.86
Mean Model Concordance (% models that agree with sign of change)	97
4. Runoff change**	
Mean Runoff Change (%) (2041 - 2060 compared to 1900 - 1970; A1B scenario)	10 to 20
Number of pairs of model runs (out of 24) in agreement with sign of change	3 to 9

* Data from the World Climate Research Programme's Coupled Model Intercomparison Project: Phase 3 (<https://esg.llnl.gov:8443/>) are extracted and reanalyzed by the World Bank.

** The runoff dataset was obtained by the U.S. Geological Survey (USGS), c/o National Oceanic and Atmospheric Administration (NOAA) Geophysical Fluid Dynamics Laboratory (Milly et al. 2006) and reanalyzed by the World Bank.