

Readme - data Sea Level Rise (SLR) projections for years 2030-2150 (relative to 2020) for the Mediterranean coasts.

The revised SLR projections in mm are provided on a 0.5°x0.5° geographical grid and at selected tide gauge stations of the Permanent Service for Mean Sea Level (PSMSL, <https://psmsl.org/data/obtaining/>)

SLR at grid points.

The revised SLR projections are provided in 5 grid and 5 Tlim files in the directory sspXXX_grid and T_Y_grid. Each projection corresponds to one of the revised SSP and Tlim IPCC AR6 scenarios.

Revised RSLR projections are named SL_ssp_name_grid YEAR

1 sigma error for each SL_ssp_name_grid YEAR, are named err_SL_ssp_name_grid_YEAR.

Data in Esri ASCII raster format with a six-row header.

ASCII header information:

NCOLS: number of cell columns

NROWS: number of cell rows

XLLCORNER: X-coordinate of the origin in degrees (by lower left corner of the cell)

YLLCORNER: Y-coordinate of the origin in degrees (by lower left corner of the cell)

CELLSIZE: Cell size in degrees

NODATA_VALUE: Default is -9999.

SLR at selected PSMSL stations.

The revised SLR projections in mm at the selected PSMSL stations are in the directories. Projections_PSMSL where each SLR projection corresponds to one of the revised SSP and Tlim IPCC AR6 projections named SL_ssp_name_PSMSL_YEAR

Data are ascii file with the extension .txt, Latitude (lat) and Longitude (lon) of the station SL (mm), err_SL (mm), are provided.

SLR at grid points.

The VLM rates in mm are provided in the directory VLM_grid and named vlm_grid.

1 sigma error for VLM rates are provided in the directory VLM_grid and named err_vlm_grid.