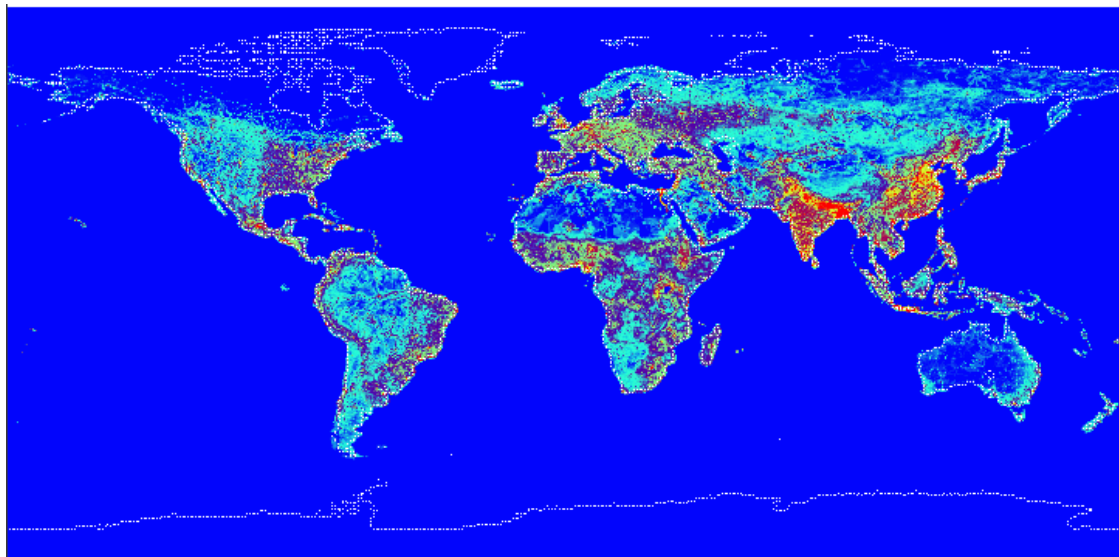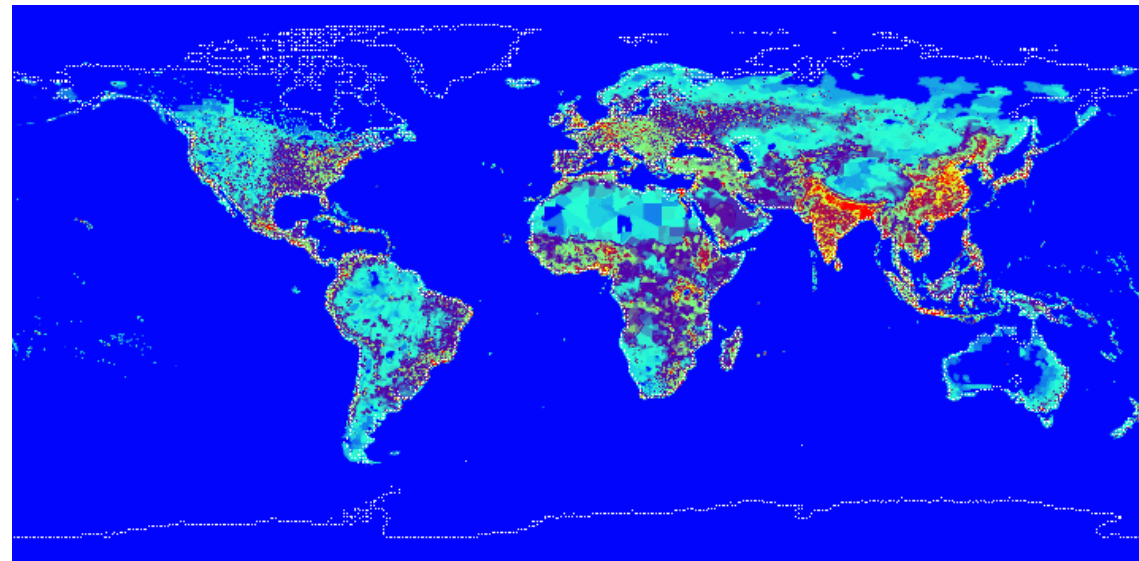population_histsoc_0p5deg_annual_1861-2005.nc4
Population 2005

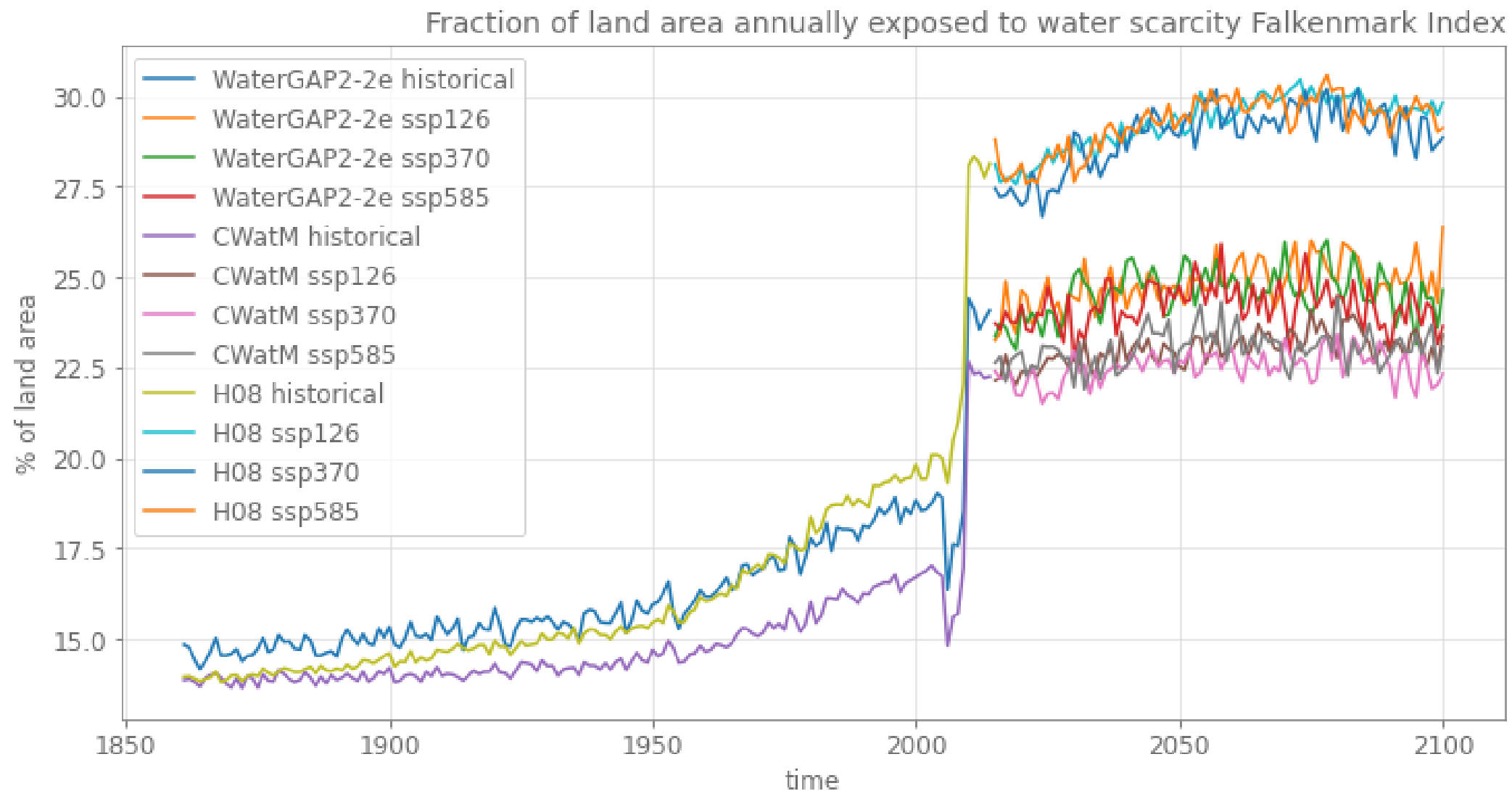population_ssp2soc_0p5deg_annual_2006-2100.nc4
Population 2006

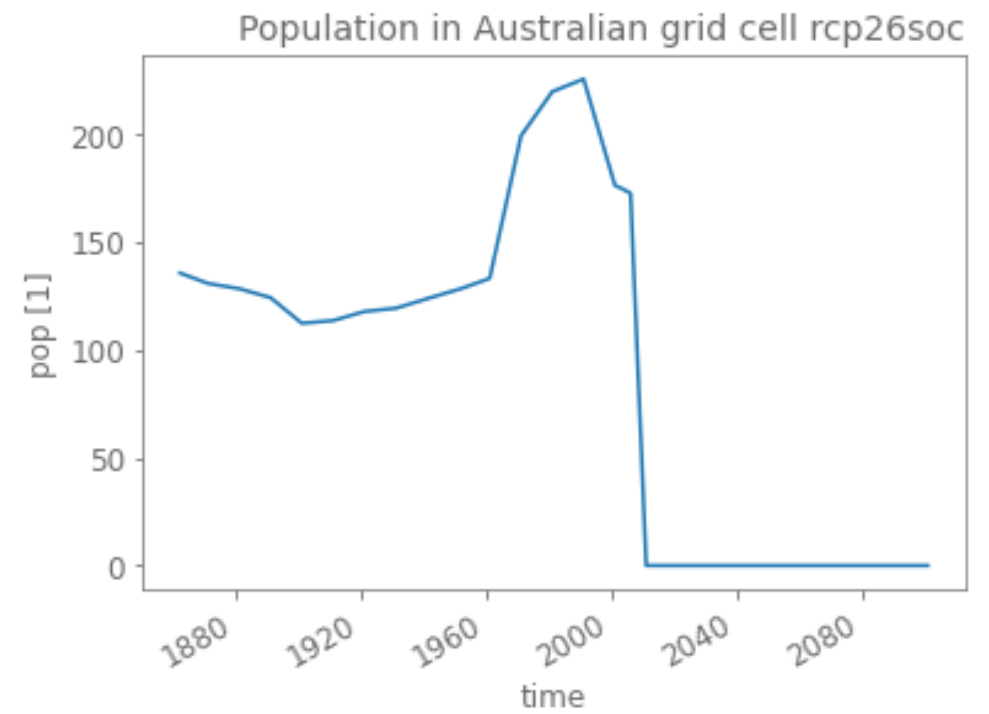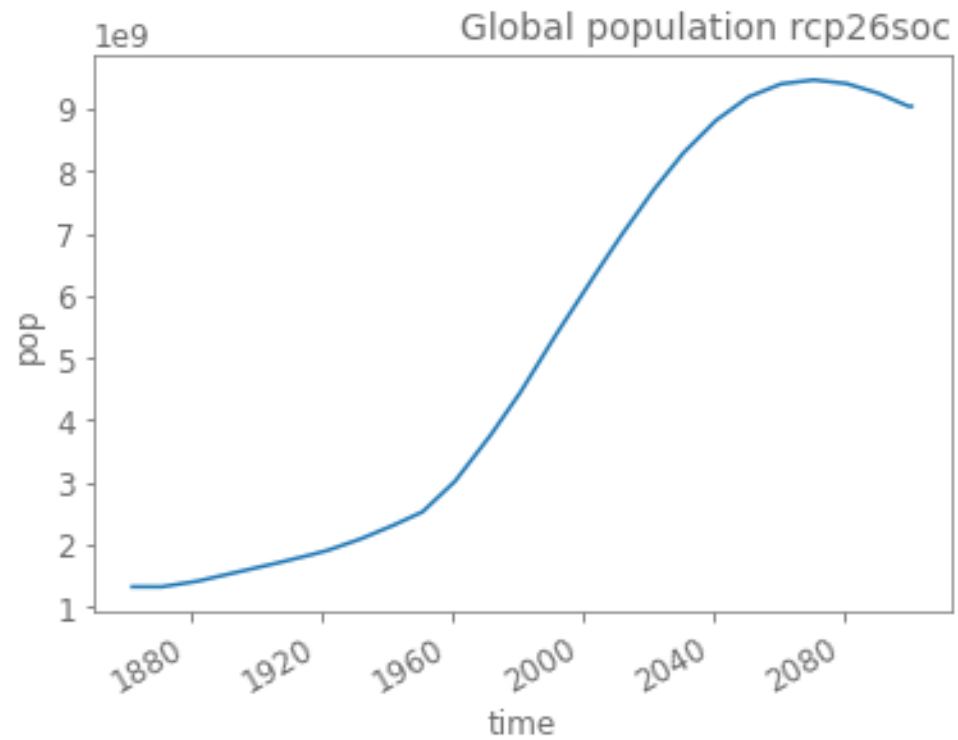Inconsistencies: North-African countries, inland Australia, Siberia etc

Fraction of land area annually exposed to water scarcity Falkenmark Index

The large jump in 2005-2015 is due to inconsistencies in the gridded population dataset

While the global population seems fine, there are problems in individual grid cells, like in this Austrialian grid cell