

Alternative integrated version of the Human dynamics of climate change poster

The alternative integrated version of the Human dynamics of climate change (HDCC) poster uses the same data, but all the data layers are shown on the same map. For design reasons, the number of future change icons shown on the map was restricted. The data shown was chosen based on the following decisions:

- Population change is shown as icons as opposed to mapped as in the HDCC poster. As icons could not be included in every country for design reasons, icons are only shown for the top ten countries with the largest 2010 population, the top ten countries with the largest 2085 population, and the top ten countries with the largest percentage change in population. These values all come from the 'middle of the road' socio-economic scenario (SSP2) estimates of global population.
- In order to limit the number of water related icons, flooding, drought and run-off icons are not shown for the Sahara Giorgi region as the majority of this region is desert, and the run-off icon is not shown for the Tibet Giorgi region.
- Crop yield icons are only shown in Giorgi regions that are both large exporters (regions containing the top five exporting countries for each crop) and large producers (regions producing more than 1% of the present-day (year 2000) global total for each crop).
- Water demand for irrigation icons are only shown in regions for which crop yield icons have been included.

In addition to these restrictions in the number of future change icons shown, an additional icon showing melting Arctic sea ice is included, and the present-day sea surface temperature is mapped over the sea. Popular shipping routes are not included on this version.

The alternative integrated version of the HDCC poster has been created for both 'business as usual' (RCP8.5) and 'aggressive mitigation' (RCP2.6) greenhouse gas concentration scenarios, and therefore allows comparisons between the two scenarios.

The future change icons are arranged in the 'business as usual' scenario version so that the largest negative stresses (large red icons) are on the left and the largest positive stresses (large green icons) are on the right. The icons in the 'aggressive mitigation' scenario version are kept in the same order to allow easy comparison between the two scenarios.