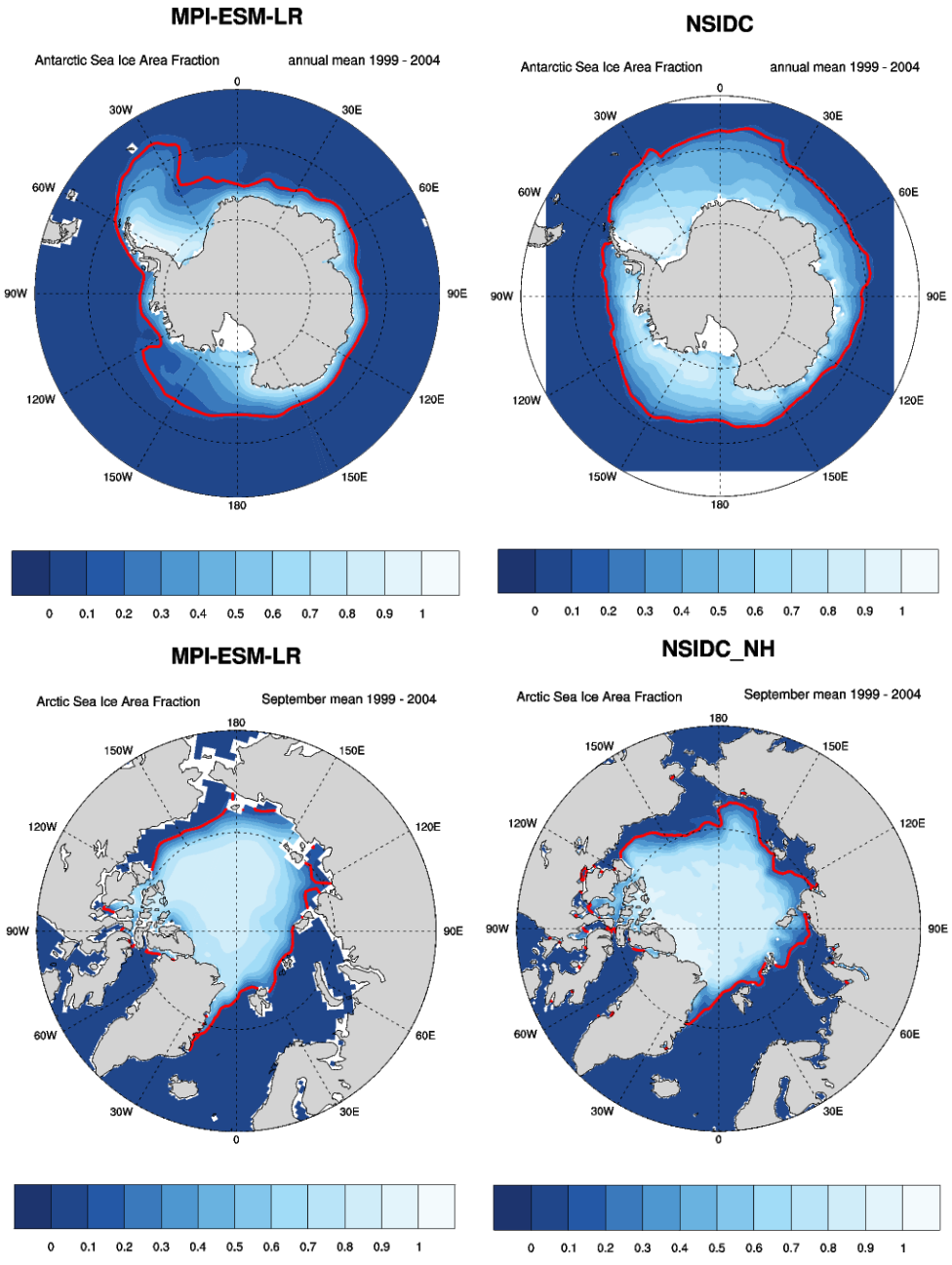
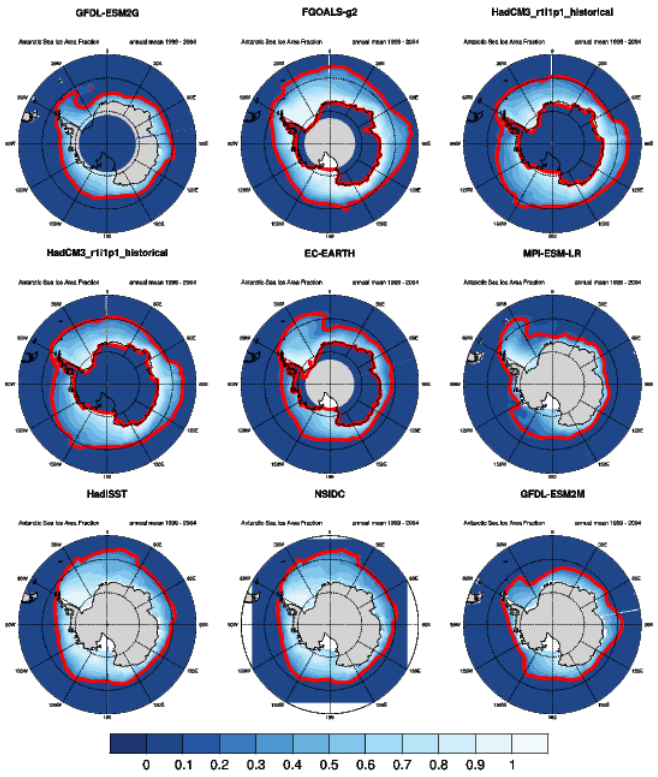
Examples of plot type "SeaIce_polcon"

This plot type is part of the test suite described on the SeaIce diagnostics wiki page. The figures show contours of sea ice concentrations (fraction of grid cell covered by sea ice) in polar stereographic projections for the Arctic or Antarctic region. Continents are shaded grey, which is only visible if flagged by missing values in the original data. Note that the Ross Ice Shelf is not considered to be sea ice and thus is flagged by missing values.
The red contour line marks sea ice extent, which is defined as sea ice concentration > 0.15. For multi-polar grids there might be an apparent line of missing data between the grid poles, which is a plotting artefact.
SeaIce_polcon calculates and displays mean values for the time specified in the main namelist for the respective data.
This could be either annual mean or multi-year monthly mean, as specified in the var_att namelist.



The differences of MPI-ESM-LR with respect to NSIDC may be shown with SeaIce_polcon_diff. A detail to note in the above plots is that NSIDC data are given seperately for southern and northern hemispheres and thus require different <model> entries in nml/namelist_SeaIce.xml. Only the NH plot was done with both NSIDC entries in the list and thus the title was extended by the "ensemble" entry ("NH").

One plot is created for each model in the main nml, which may be panelled (number of rows x columns controlled by var_att namelist).
Note the inconsistent treatment of missing data over land and around the pole in the different models.


GFDL-ESM2G
FGOALS-g2
HadCM3_r1i1p1_historical
HadCM3_r1i1p1_historical
EC-EARTH
MPI-ESM-LR
HadISST
NSIDC
GFDL-ESM2M
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1