

1 Spatial kernel smoothing on environmental covariates

The spatial smoothing on covariates shows that in general, the sea surface temperature and salinity are higher in the south of the study area, whereas depth is, as naturally expected, lower near the coastline and the fluorescence was higher in the NW shelf associated to river outflow and/or upwelled waters (Figure 1).

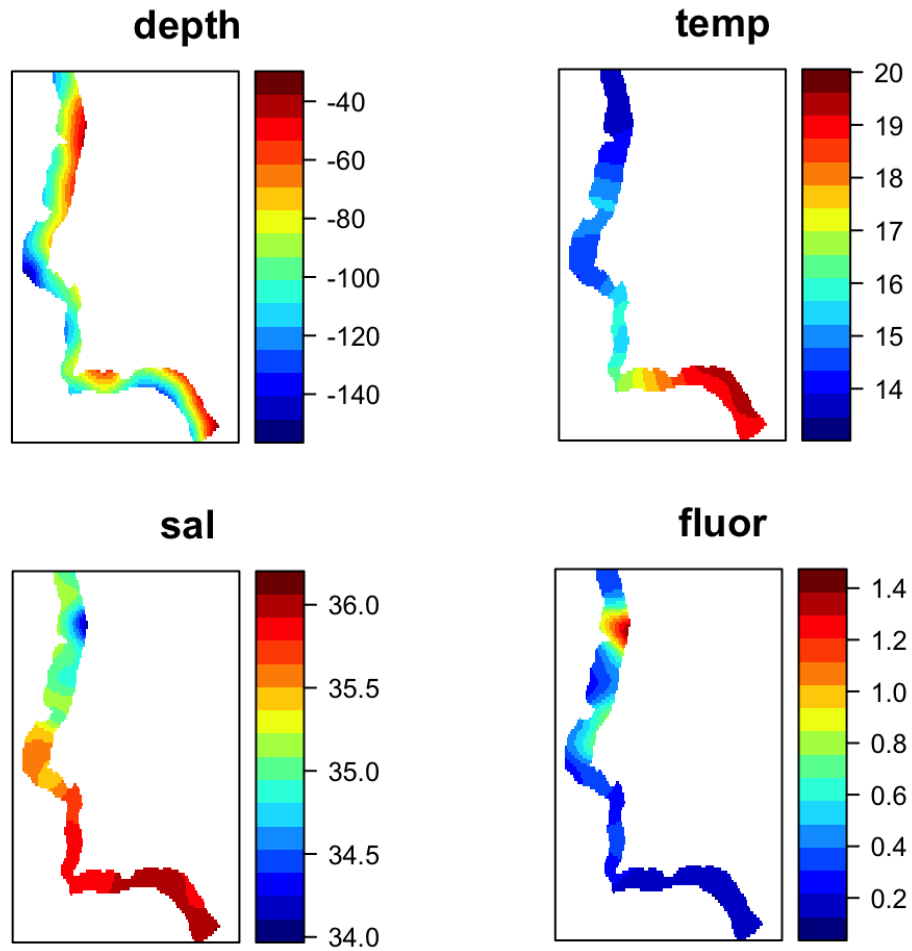


Figure 1: Extrapolated covariates by a spatial kernel smoothing method