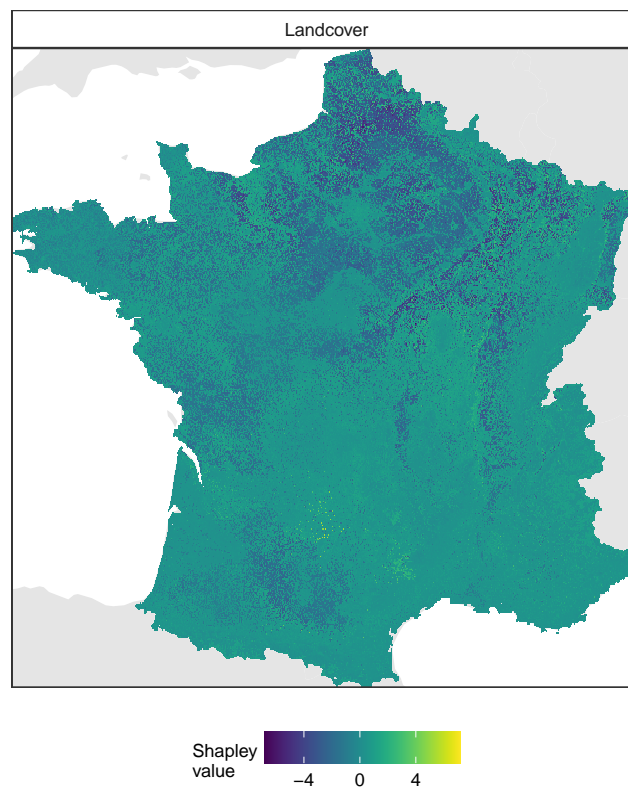# Supplementary Materials

Figure 1: Spatial pattern of the Shapley values over mainland France for landcover. Dark colour indicate a negative contribution of the covariate to the SOC stocks prediction whereas a bright colour indicate a positive contribution.
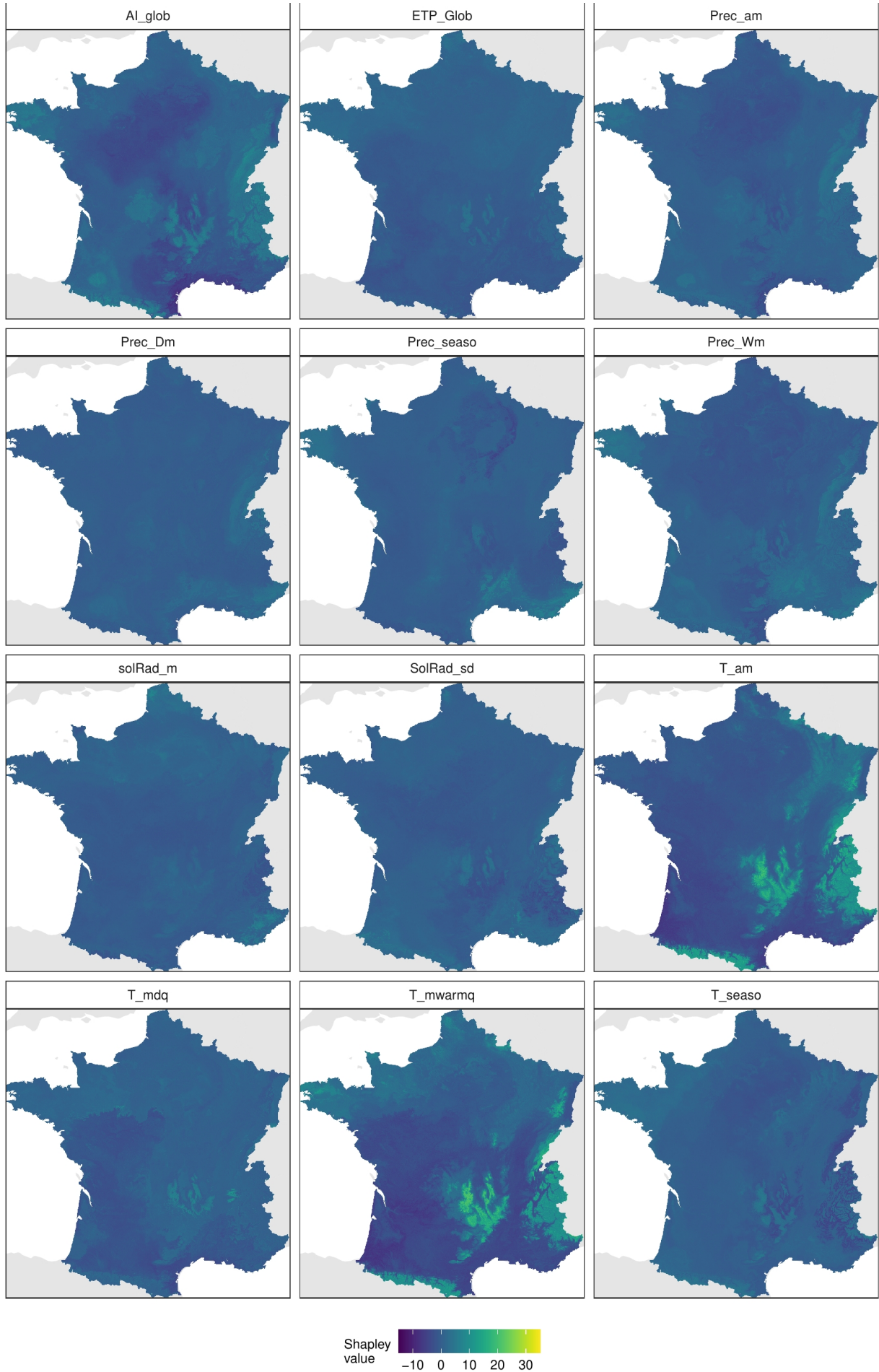
Figure 2: Spatial pattern of the Shapley values over mainland France for 12 covariates. Dark colour indicate a negative contribution of the covariate to the SOC stocks prediction whereas a bright colour indicate a positive contribution.
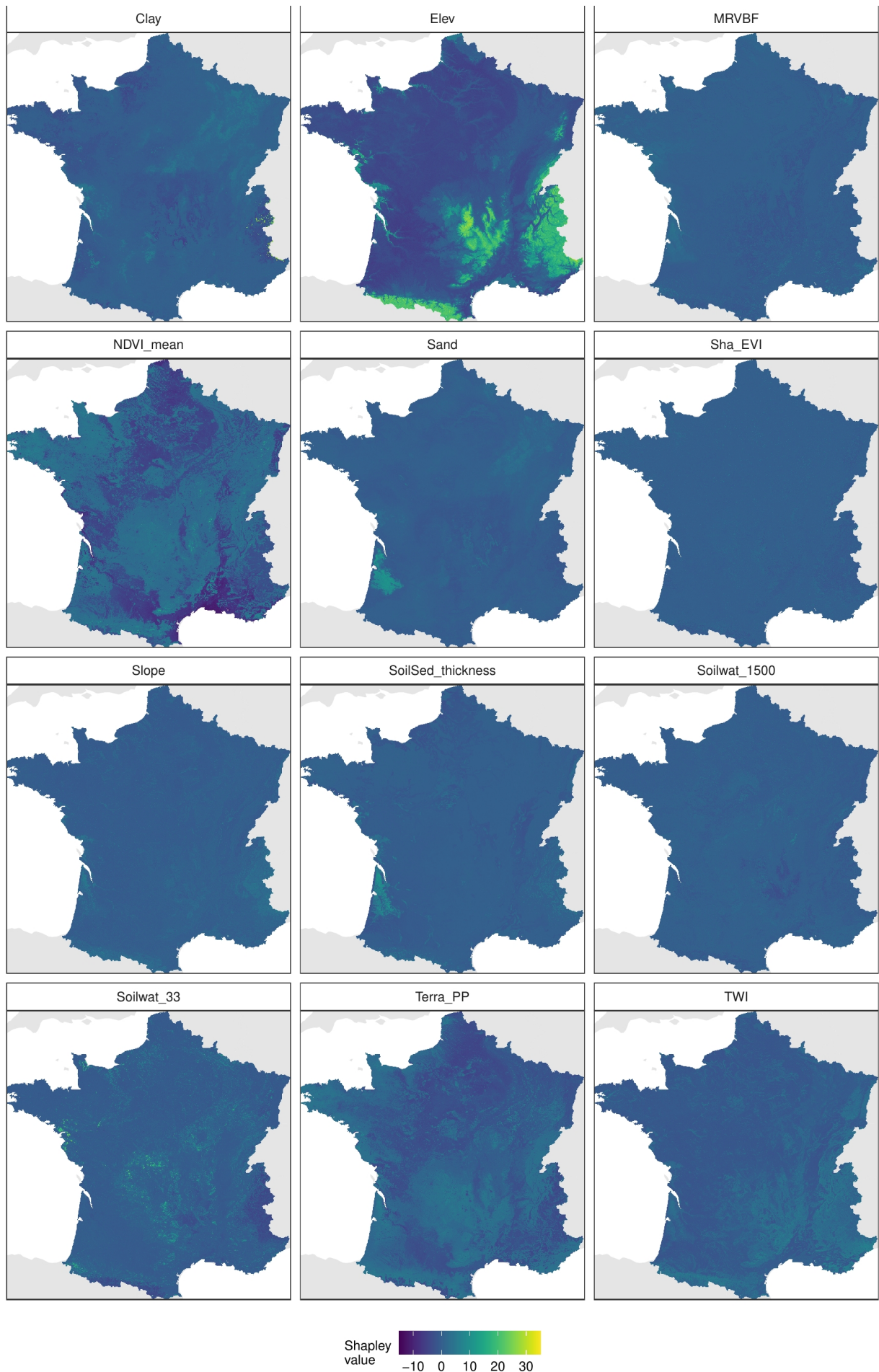
Figure 3: Spatial pattern of the Shapley values over mainland France for 12 covariates. Dark colour indicate a negative contribution of the covariate to the SOC stocks prediction whereas a bright colour indicate a positive contribution.