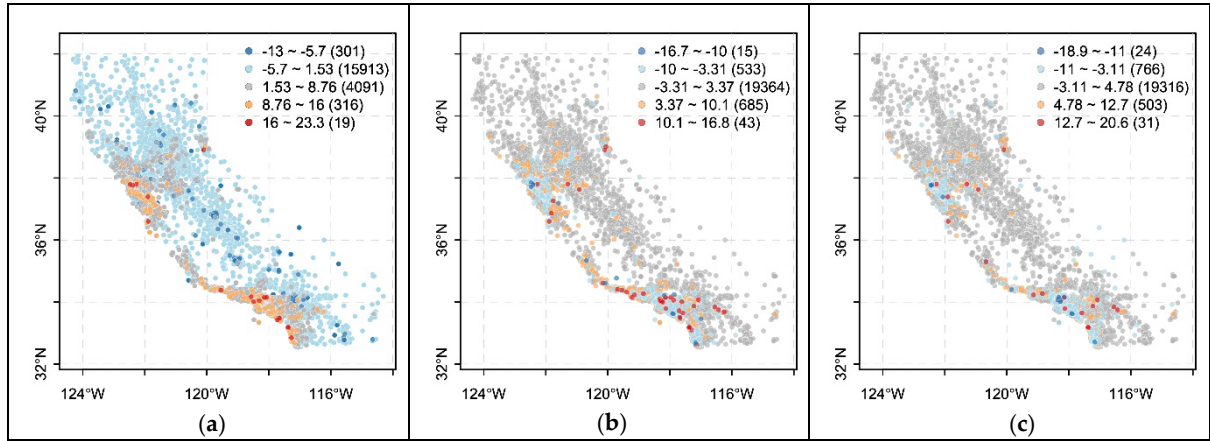**Figure S1.** Meuse dataset, model residuals: (**a**) Non-spatial model, (**b**) spatial-lag model, (**c**) ESF model.

Figure S2. California dataset, model residuals: (**a**) Non-spatial model, (**b**) spatial-lag model, (**c**) ESF model.