

Figure 1: Spatial Factor loadings for (a) the average spatial encounter probability and (b) the average density, on the first 3 factors. Red: positive association to the factor, Blue: negative association

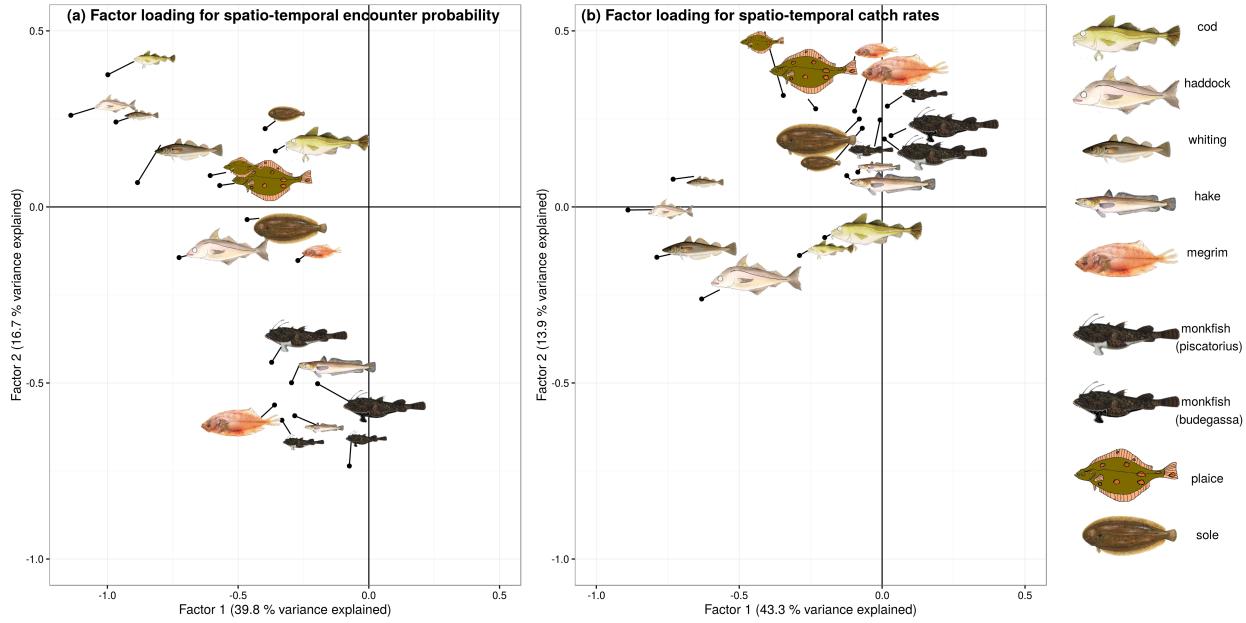


Figure 2: Position of each species-group on the first two loading axes from the factor analysis for (a) spatio-temporal encounter probability and (b) spatio-temporal density

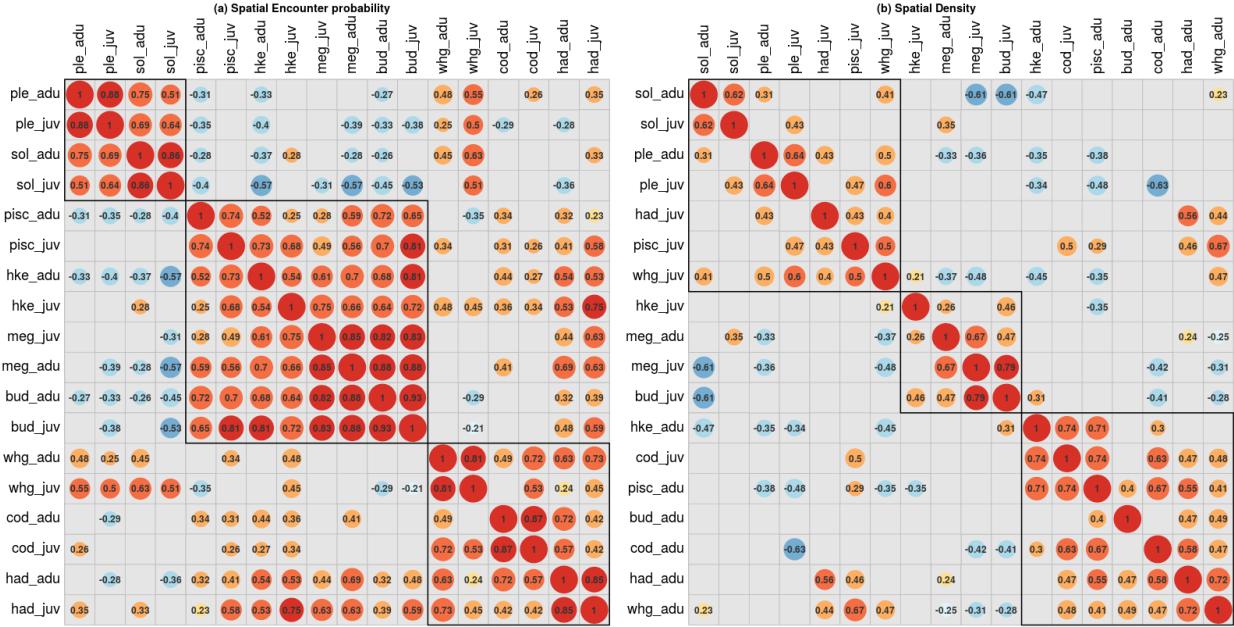


Figure 3: Inter-species correlations for (a) spatial encounter probability over all years and (b) spatial density. Species-groups are clustered into three groups based on a hierarchical clustering method with non-significant correlations (those where the Confidence Interval spanned zero) left blank

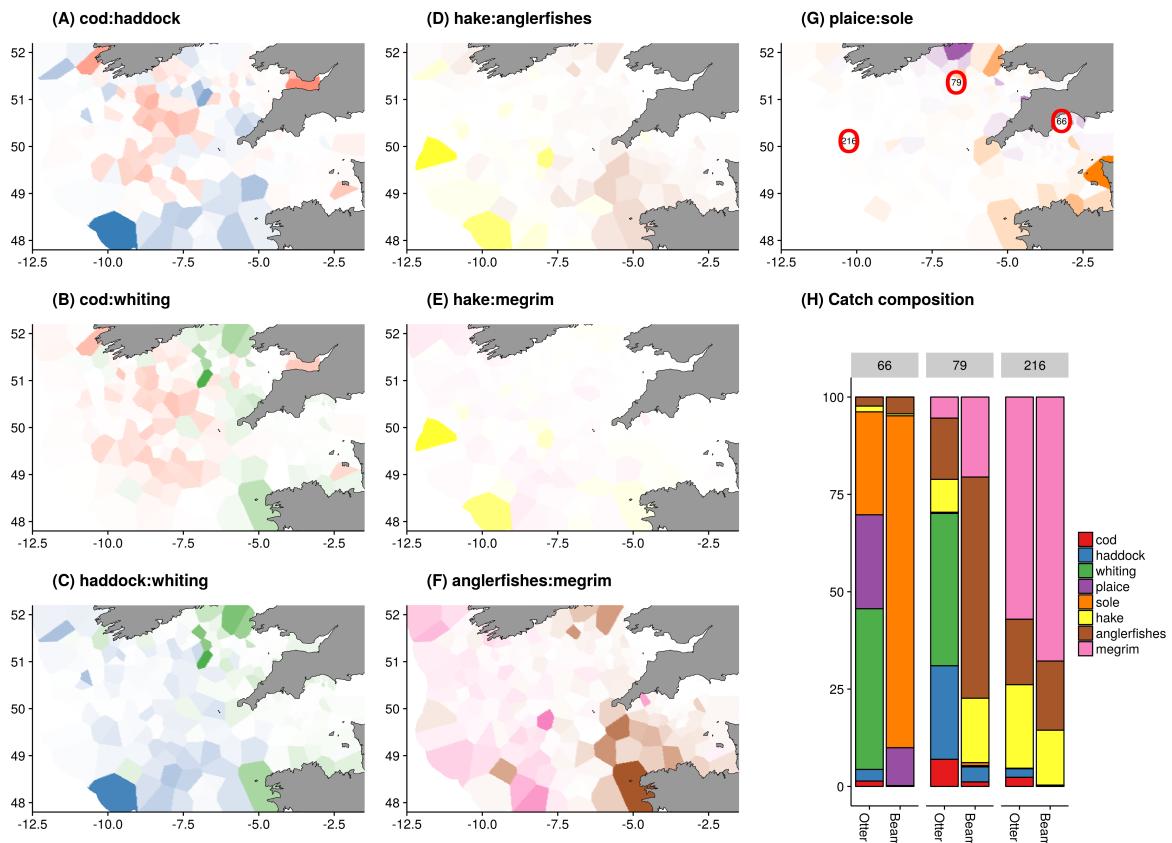


Figure 4: Differences in spatial density for pairs of species and expected catch rates for two different gears at three different locations in 2015

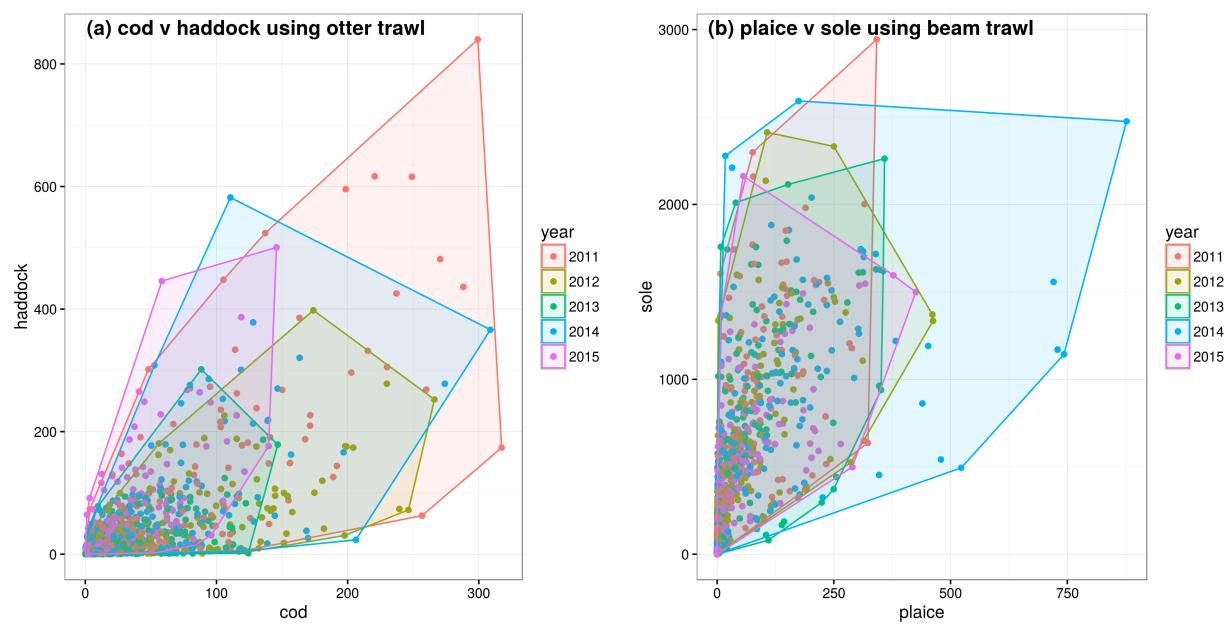


Figure 5: Example of technical efficiency space