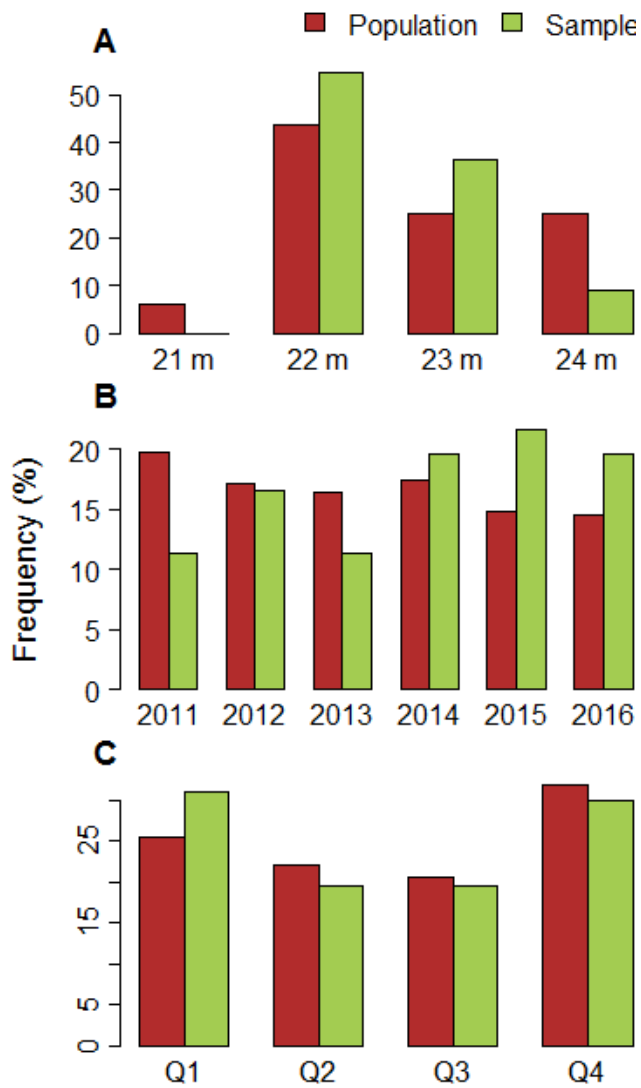
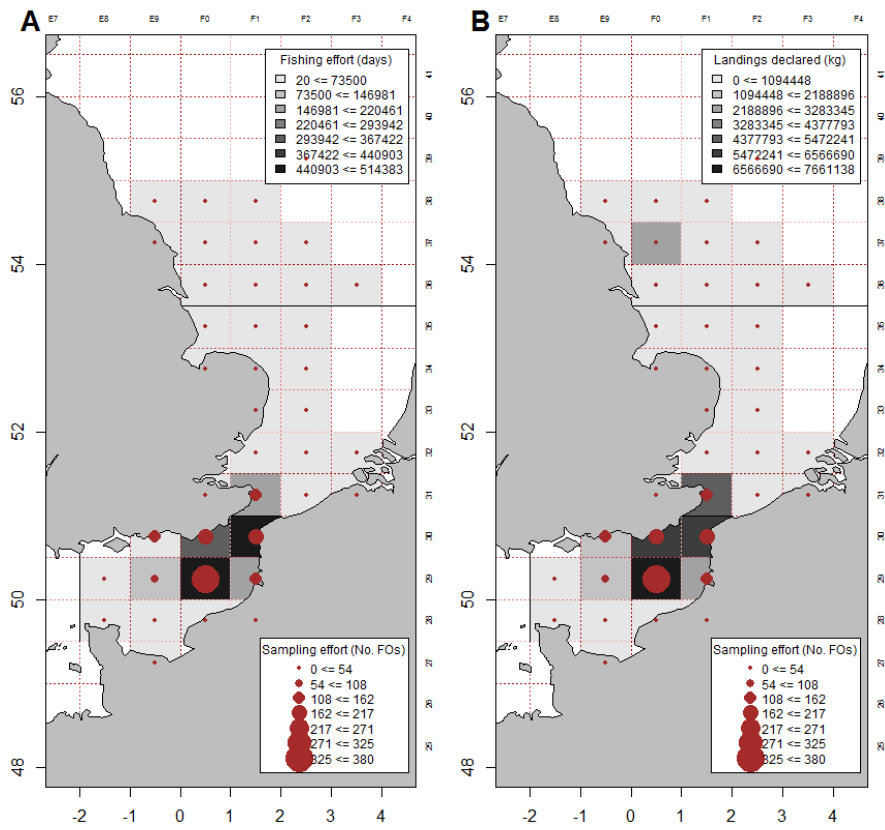


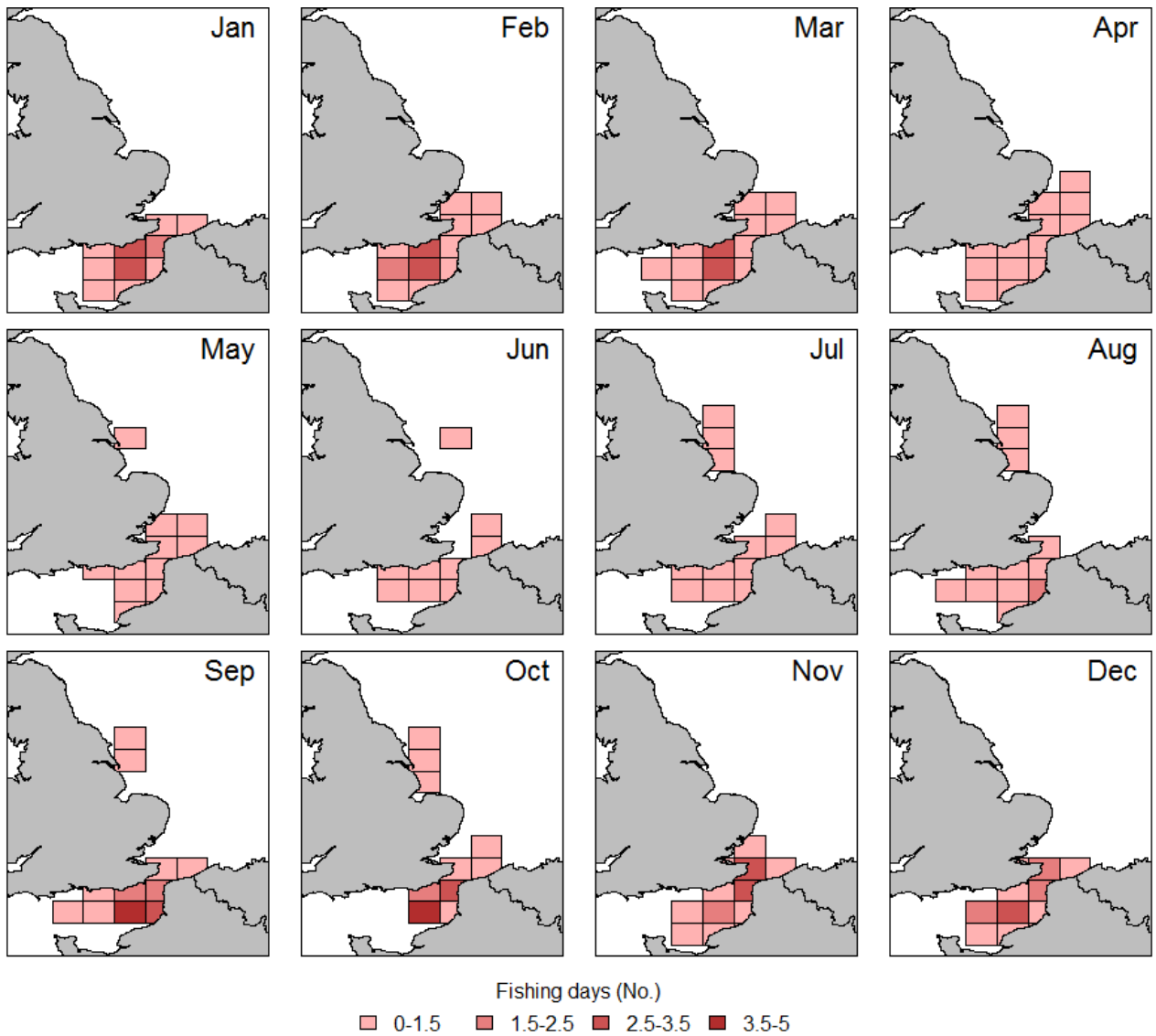
Supplementary material



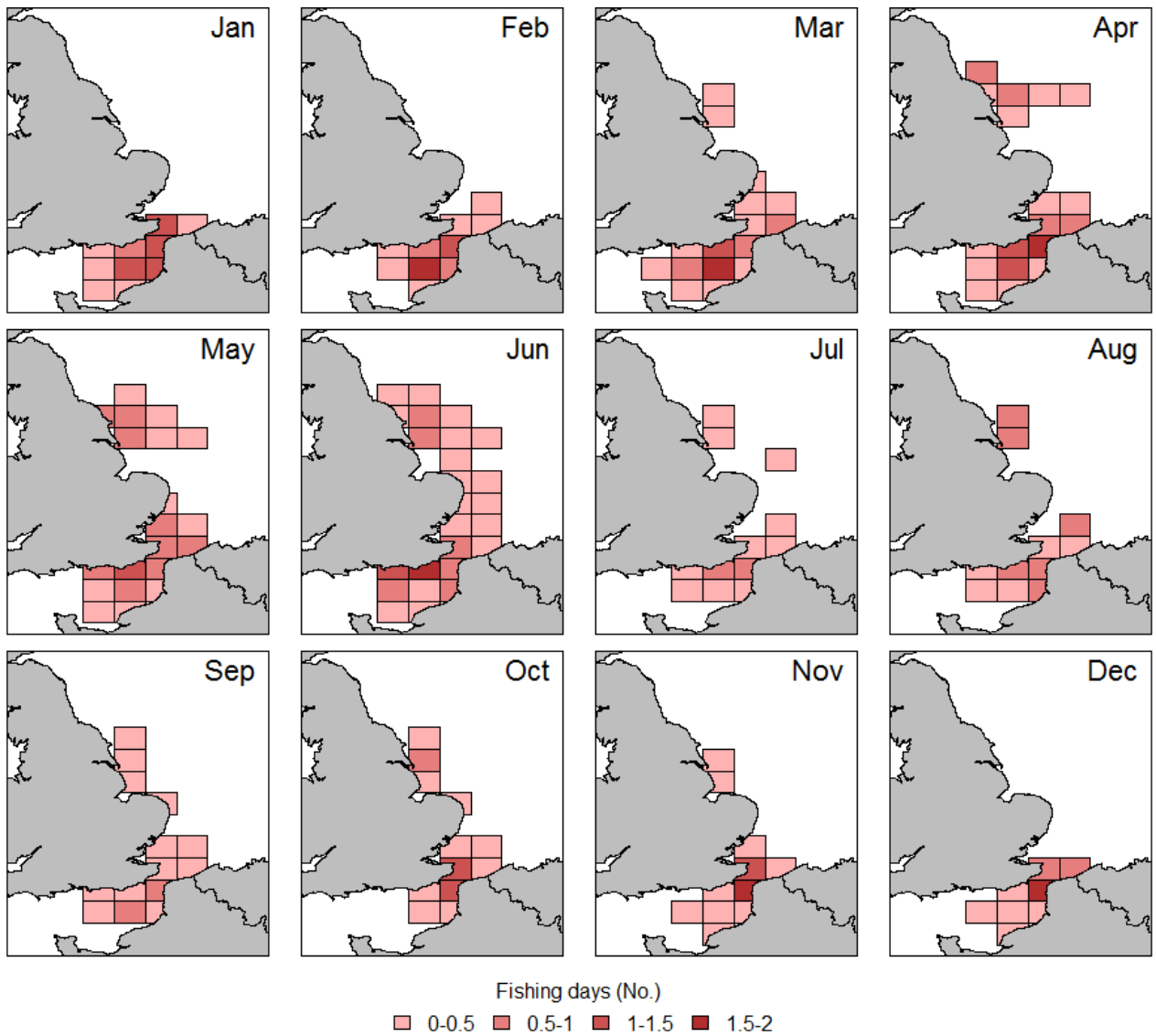
S1: Distribution (%) of vessel sizes for the Obsmer samples versus the whole fleet (A), and of sampling effort versus actual fishing effort in trip numbers per year (B) and [per quarter \(C\)](#) from 2011 to 2016.



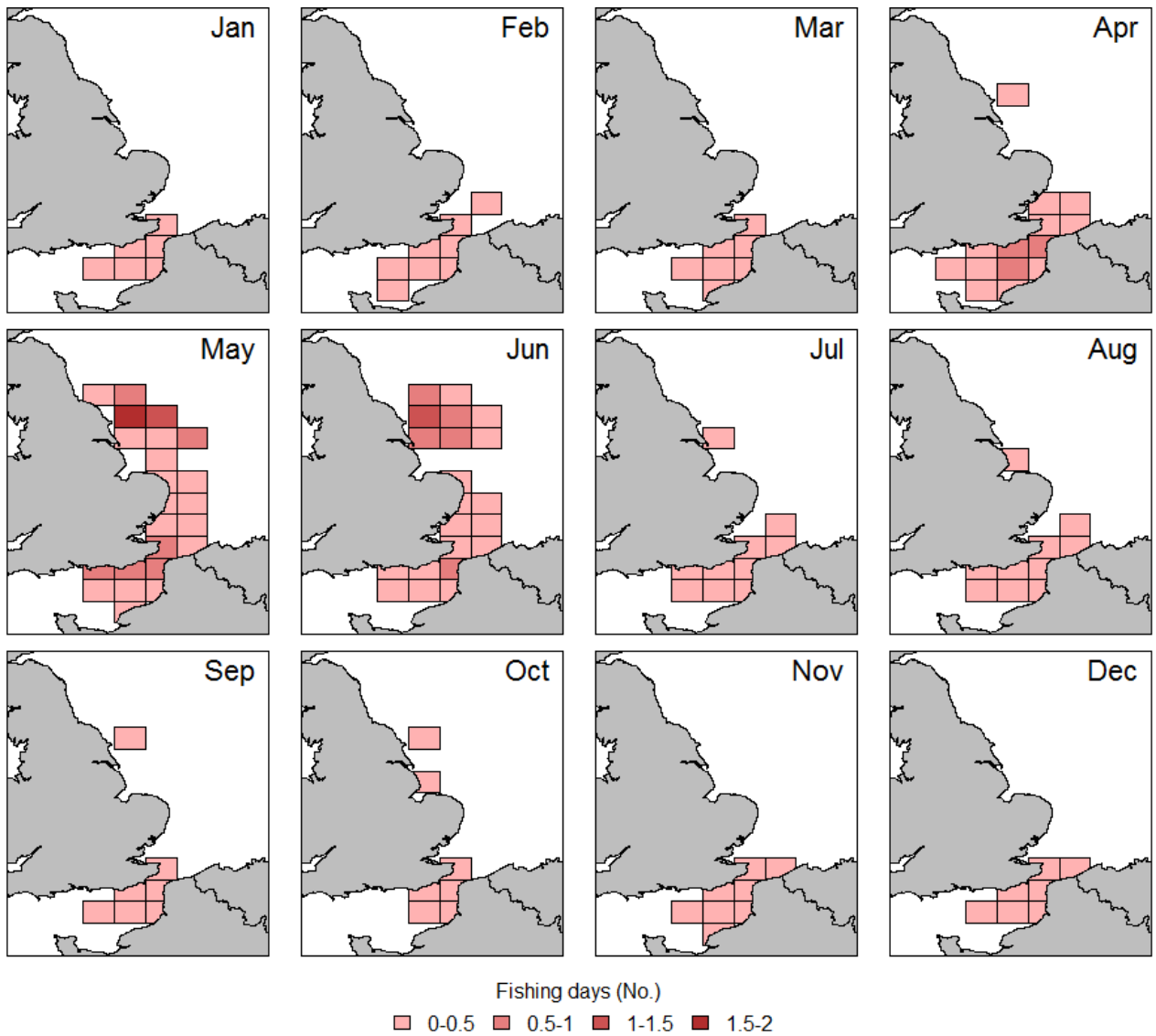
S2: Spatial distribution of observed FOs (circles), and (A) fishing effort or (B) landings (rectangles) for trawlers from 2011 to 2016.



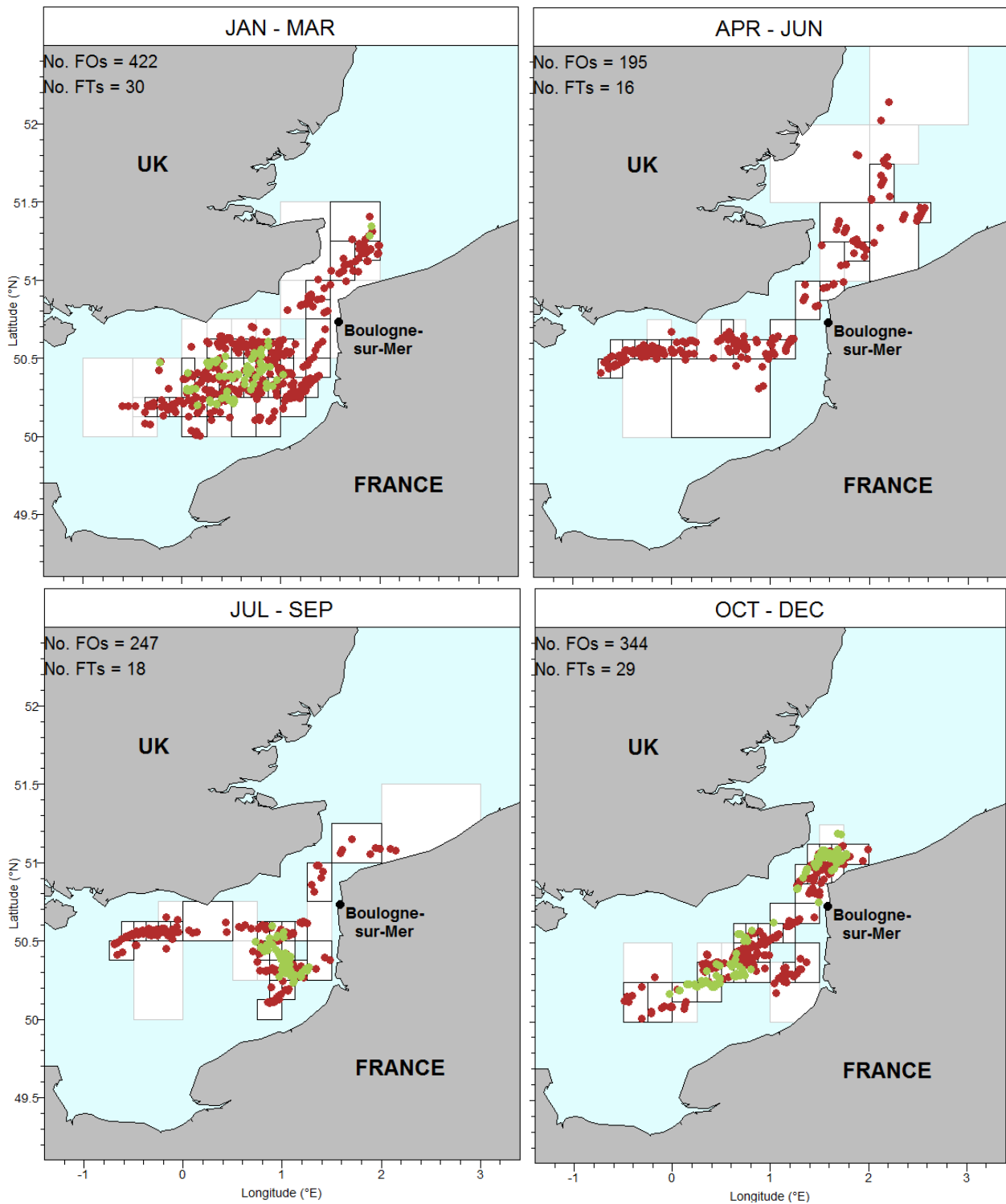
S3: Average number of days spent at sea per month and per ICES statistical rectangle in a year for bottom otter trawlers targeting cephalopod (OTB_CEP).



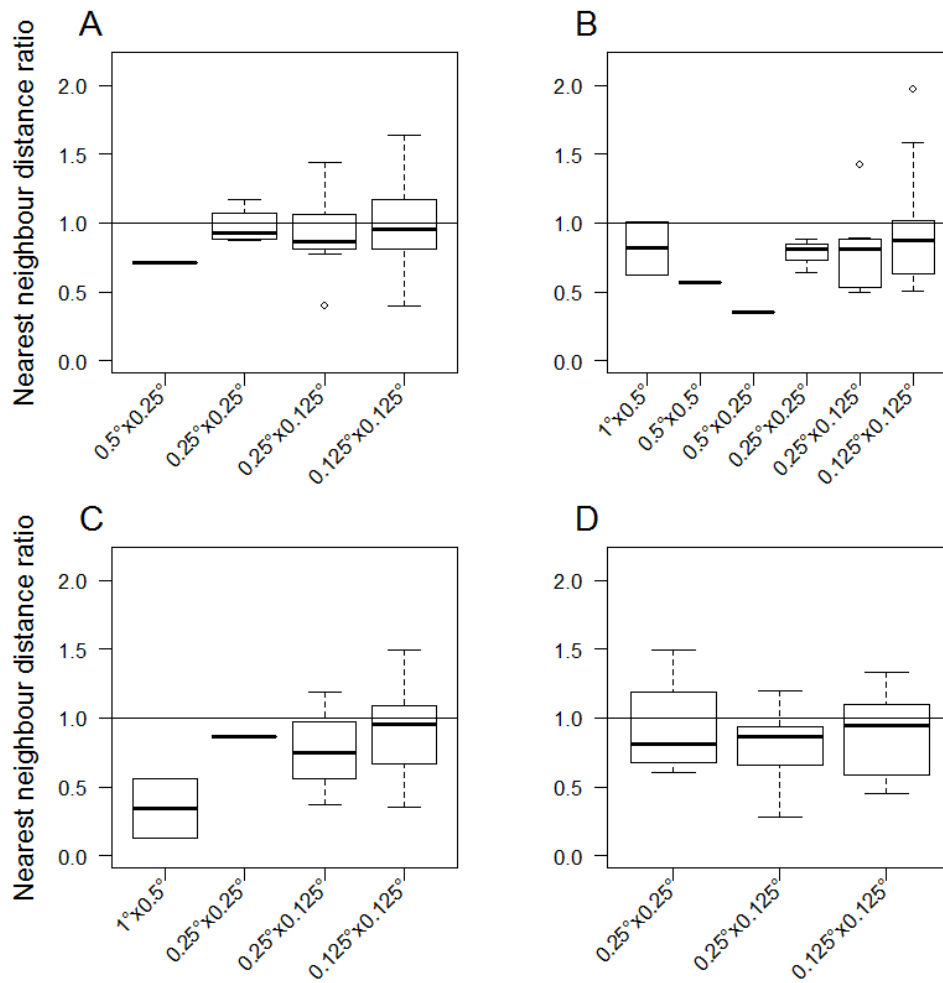
S4: Average number of days spent at sea per month and per ICES statistical rectangle in a year for bottom otter trawlers targeting demersal fish (OTB_DEF).



S5: Average number of days spent at sea per month and per ICES statistical rectangle in a year for bottom/mid-water otter trawlers targeting small pelagic fish (OTBM_SPF).



S6: FOs (dots) observed from 2011 to 2016, and the associated nested grids (rectangles) for bottom otter trawlers targeting cephalopod (OTB_CEP; green) and demersal fish (OTB_DEF; red) from January to March, April to June, July to September and October to December. Black (grey) lines define cells with (in)sufficient amounts of FOs to make estimates with a precision level of 0.35. FOs, fishing operations; FTs, fishing trips.



S7: Nearest neighbour distance ratio with cells from $1^\circ \times 0.5^\circ$ to $0.125^\circ \times 0.125^\circ$ in size from (A) January to March, (B) April to June, (C) July to September and (D) October to December. The horizontal line is the distance ratio expected under a random uniform distribution. This figure only includes cells with a sufficient amount of FOs to make estimates with a precision level of 0.35.