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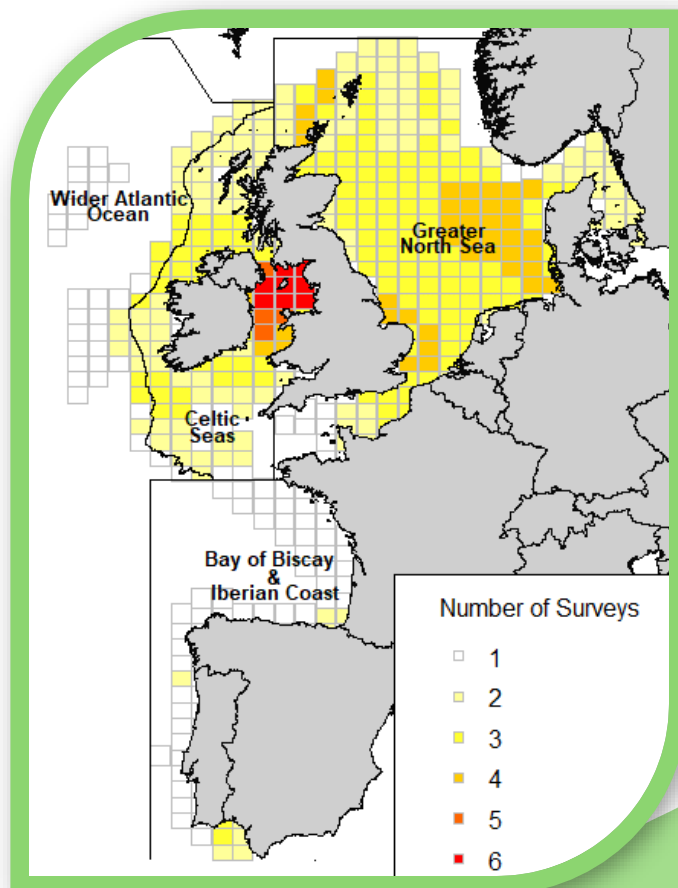
2020 Groundfish Seminar Series

Meadhbh Moriarty, Marine Scotland
Science / Ulster University, UK

Tuesday, December 1st @ 10 am Pacific

Combining fisheries surveys to inform marine species distribution modelling

Examination of fish communities typically involves creating spatiotemporally-explicit relative abundance distribution maps using data from multiple fishery-independent surveys. However, sampling performance varies by vessel and sampling gear, which may influence estimated species distributions. A framework for combining fisheries surveys to examine distributions on a multi-regional scale, in this case the entire North East Atlantic region, will be presented. Here we use simulation studies to explore the effects of simulated differences in gear efficiency and then applied this methodology to fisheries survey data, while controlling for the use of multiple vessels and gears to collect the information.



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