# Purpose

This project creates seasonal detection-corrected abundance maps for use in OPP planning and response activities. The data includes all observations from ECSAS (regardless of DistMeth, InTransect, etc.). Detections functions are fitted and adjusted abundances aggretated on a per sample (ie. watch) basis. Watch abundances are then aggregated to a 1 x 1 km grid. Having a 1 km grid makes interpretation easy – abundance and density (birds/km^2) are the same thing.

# Notes

* One layer will be “all seabirds and waterfowl” combined – could just do an omnibus ddf with Alpha & FlySwim for covars
  + Also need to think about ship vs plane – maybe just stick with the approach I’ve been using so far in Atlantic DSM project.
* Not sure how to structure other output most efficiently:
  + One raster per species code is easiest but makes for a lot of rasters (and need to think about combining unidentified taxa with identified (UNMU, TBMU, COMU in murres).
  + IF output is a shapefile, it could have a text field like: TBMU: 10, GLGU: 24, etc.
  + Consult with Lena after doing ddfs??

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