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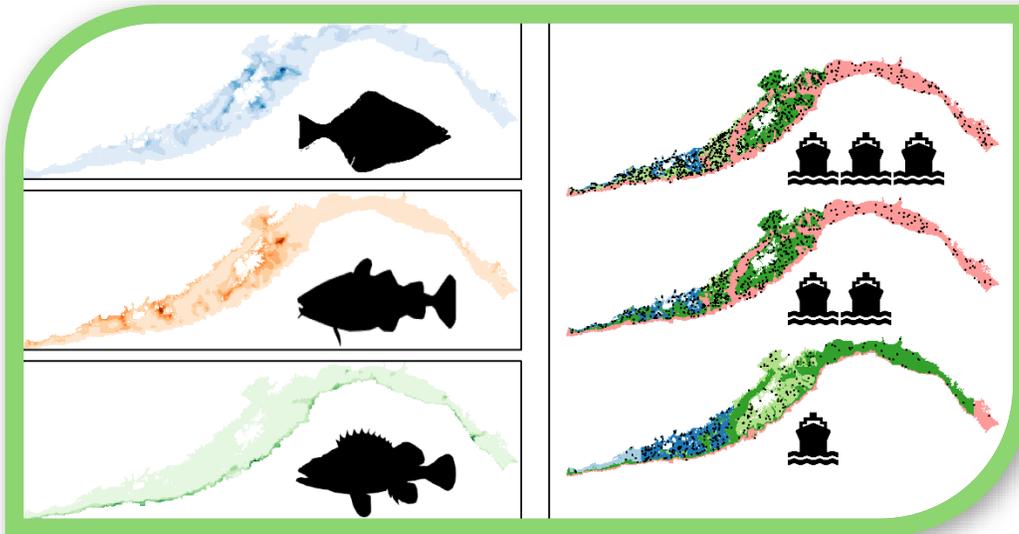
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National Marine Fisheries Service  
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2020 Groundfish  
Seminar Series

Zack Oyafuso, AFSC, NRC post-doc  
Tuesday, November 3rd @ 10 am Pacific

**Optimizing multispecies stratified survey  
designs for Gulf of Alaska groundfishes**



In designing and performing surveys of population abundance, fisheries monitoring programs often struggle to determine the sampling intensity and design required to achieve their objectives, and this problem greatly increases in complexity for multispecies surveys with inherent tradeoffs among species. To address these issues, I developed a flexible stratified survey design optimization using a genetic algorithm that optimizes both the stratification as well as the optimal effort allocation across strata subject to pre-specified precision targets. I will present this framework using the Gulf of Alaska groundfish bottom trawl survey as a case example.

*For more  
information contact*

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