

Postdoctoral Research Associate Solutions to Shifting Fish Stocks

Applications are invited for a **postdoctoral research associate** to join a project focused on solutions to shifting fish stocks funded by the Lenfest Oceans Program. The candidate will be supervised by [Dr. Olaf Jensen](#) at the University of Wisconsin [Center for Limnology](#) and will work collaboratively as part of a large international and interdisciplinary team. This project, "Managing across boundaries: preventing interjurisdictional conflicts arising from shifting fish stocks" will develop and test a suite of dynamic harvest allocation policies for managing fish stocks that are shifting across management boundaries, and assess the socio-economic benefits and tradeoffs of these policies for two important fisheries in the U.S. Mid-Atlantic. The goal is to develop science-based guidance for making fisheries more resilient to climate change and other drivers of changes in fish stock abundance and distribution. The research team includes scientists from state and federal fishery management organizations, conservation NGOs, and several US universities. The position will involve the following tasks and associated skills, among others determined by the candidate:

- Develop and test adaptive harvest allocation policies by linking a spatial model of annual fish stock distributions to a model of social and economic impacts (R coding skills, some familiarity with GIS).
- Refine and add new features to an R Shiny tool for visualizing trade-offs associated with different adaptive harvest allocation policies (R coding skills).
- Evaluate social impacts of adaptive allocation policies (design and implementation of surveys and focus groups)
- Support a "hot spot analysis" to identify geographic locations of potential interjurisdictional fisheries conflict and evaluate where adaptive harvest allocation policies may be suitable and the methods proposed in this study may be applied (familiarity with fisheries science literature and global databases)

Requirements: Ph.D. in fishery science, natural resource economics, fisheries social science, or another relevant field is required. Applicants with strong quantitative and writing skills and a Ph.D. from other disciplines are also encouraged to apply. In addition to the specific skills listed above, ideal candidates will have excellent oral and written English language communications skills and a strong track record of publication in peer-reviewed journals. Women and underrepresented minorities are especially encouraged to apply.

The positions will remain open until filled with a preferred start date of March 15, 2022. The appointment is for a term of 18 months.

For questions or applications, please contact: Olaf Jensen (olaf.p.jensen@gmail.com) with "Postdoc" in the subject line.

Applications should include the following components in a single PDF file: cover letter (including preferred and earliest feasible start dates), CV, and contact information for three references