Teaching Issues and Experiments in Ecology - Volume 19, December 2023

## Marine Fisheries and Conflicts of Interest

## **Essay Assignment**

Identify a fishery of interest, preferably a local one or one with particular significance to you. It could be from your hometown, relevant to your region, a favorite species, or significant for your country. After researching this fishery, respond to the following questions in an essay of 500 words, maximum:

- 1. Describe the fishery. Why did you choose this fishery? What are the local economic, environmental, cultural, and political interests in this fishery?
- 2. Identify a specific end user to consider. How could forecasting benefit this end user?
- 3. What other end users would a forecaster need to consider when developing this type of forecast? What are potential unintended consequences or conflicts of interest associated with developing a forecast for the end user that you identified?
- 4. How would you adapt your forecasting approach or dissemination of the forecast to account for these conflicts of interest?

## Rubric for evaluation of writing assignment

	0: No evidence	1: Below proficient	2: Emerging proficient	3: Proficient	4: Advanced
Fishery description	No description of the fishery of choice or economic, environmental, cultural, and political interests	Fishery description is mostly missing or inadequate	Describes a fishery of choice, including basic description of economic, environmental, cultural, or political interests in this fishery	Describes a fishery of choice, including some description of economic, environmental, cultural, and political interests in this fishery	Thoroughly describes a fishery of choice, including economic, environmental, cultural, and political interests in this fishery
Selected end user	No specific end user selected	Description of how forecasts may benefit a specific end user is vague or inadequate	Identifies an end user and at least one way a forecast may benefit them. Description lacks specificity	Identifies a specific end user and potential benefits a forecast might bring to them	Identifies a specific end user and provides a convincing argument for how forecasts may benefit them
Other end users and conflict of interests	No mention of other end users and/or potential conflicts of interest	Discussion of conflicts of interest is limited or mostly incorrect	Identifies at least one potential conflict of interest. Description lacks specificity.	Correctly describes other end users and how their interests could be conflicting	Thoroughly describes multiple other end users and how their interests could reasonably be conflicting
Solutions	No mention of how forecasting approach could be adapted to account for conflicts of interest	Minimal discussion of how forecasting approach could be adapted to account for conflicts of interest	Mostly correct discussion of how forecasting approach could be adapted to account for conflicts of interest	Discussion of how forecasting approach could be adapted to account for conflicts of interest is logical and mostly complete	Convincing and well- reasoned discussion of how forecasting approach could be adapted to account for conflicts of interest