

Recreational fisheries impact

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Background:

- Included in the HELCOM workplan that FISH PRO III should work with impact from recreational fisheries on coastal fish communities.
- FISH 9 (2019) sent a request to FISH PRO III to lead the work on harmonizing recreational fisheries data
- Is this something that FISH PRO III can (and should) put focus on during coming years?

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Knowledge:

- HELCOM FISH PRO 2016 report -> Data availability from recreational fisheries in different countries
- Hansson et al. 2018. (ICES J Mar Sci) -> Estimation of outtake from fisheries (and also seals and birds) in different BS-countries. Original data for both recreational and commercial fisheries?
- HELCOM 2012 (Thematic assessment report) -> population density (proxy for recreational fishing pressure) negatively associated with the indicators large perch, piscivores and trophic level
- Lehtikoinen et al. 2018 (Ecological indicators) -> a first attempt to look at the impact of several variables in concert on coastal fish communities (Swedish data). Only positive correlations between coastal fish indicators and estimated recreational fishing pressure
- Bergström et al. 2016 (Swedish report) -> positive effects of no-take areas (mainly recreational fishing)
- Bergström et al. 2019 (Ambio) - > more fish (perch and piscivores as a group) in no-take areas compared to other areas.

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Discussion points:

- Data for recreational fishing pressure needed for each monitoring area?
- Need to address F from fisheries, how to do when no stock assessment models are available?
- Outtake vs impact from recreational fisheries?
- Other sources of mortality is also needed to assess the true impact?
- Literature information outside Sweden?
- Should we engage in this work? How, and who should lead it? Funding for the work?