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Can salmon benefit from climate change? Effects of global warming on adult *Salmo salar* in Norwegian aquaculture



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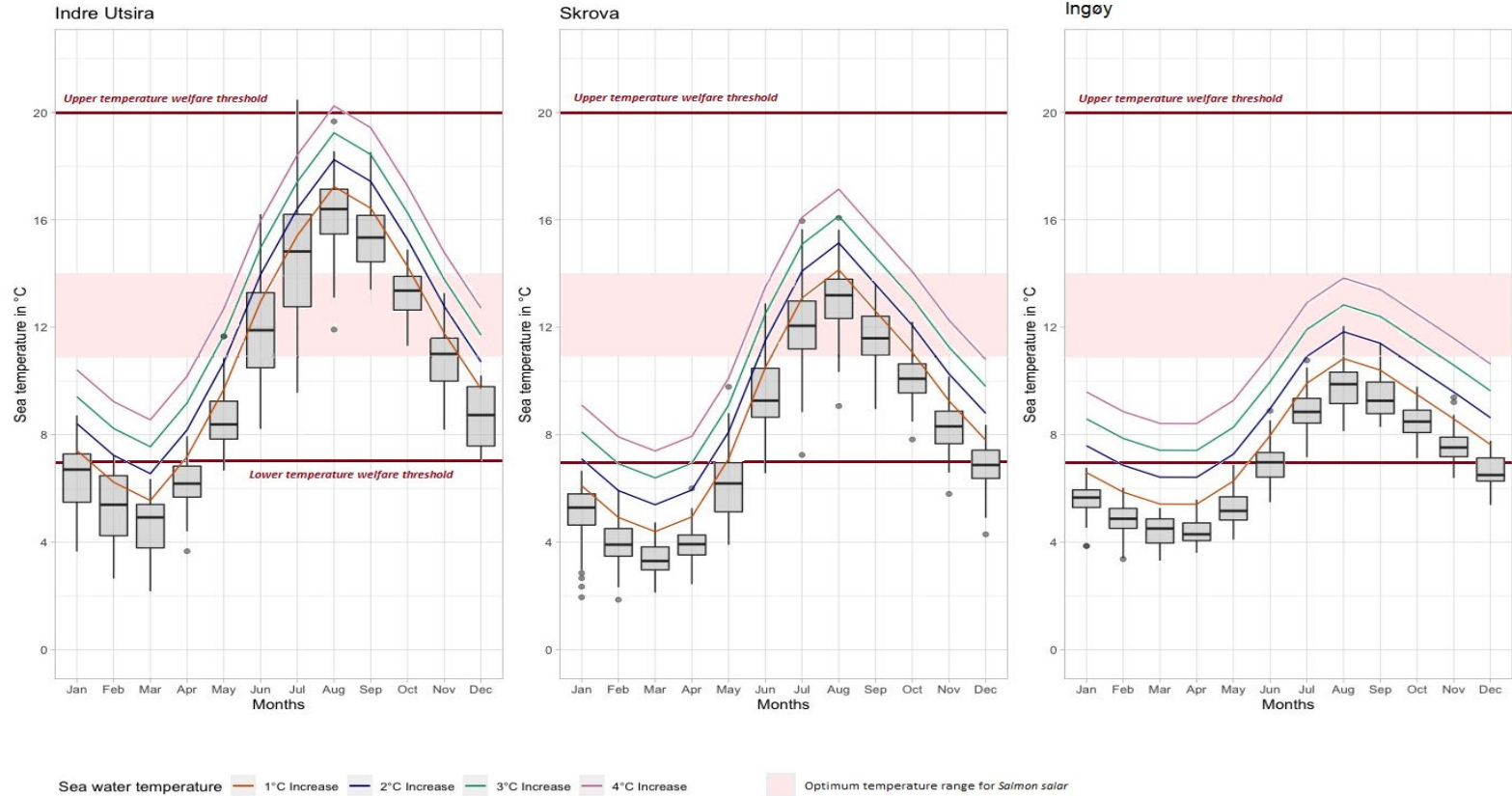
Introduction

- Aquaculture will be an important future industry for Norway
- Already the industry faces a lot of problems
- Establishment of production for the foreseeable future

- 3 locations were analysed
- Found the monthly mean for the 3 location
- IPCC report: 1-4 degree celsius increase



Results



South

Indre Utsira

- Mean temperature ranges closer to the upper threshold in summer.
- Vulnerable to summer heat waves
- Prone to the negative outcomes of global warming

Center

Skrova

- If the temperature rises 4 degrees or more, salmon will be at better welfare conditions all the year, minimising stress in winter.
- Possible “benefit” from the warming of seawater.

North

Ingøy

- The “coldest” of the stations.
- Inside optimum growth range during summer months if the mean temperature increases
- Possible “benefit” from the warming of seawater.





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