

# NIPAG

## Joint NAFO/ICES *Pandalus* Assessment Working Group

Fisheries Resources  
Steering Group (FRSG)

## RESEARCH FOCUS

- Improving our understanding of population dynamics and life-history variation in northern shrimp (*Pandalus borealis*)
- Develop and apply methods to estimate stock indices and length frequency distributions from survey and catch data
- Develop and apply methods to assess *Pandalus* stocks and provide management advice, accounting for protandric hermaphroditic life-history of shrimp

## OUR OBJECTIVE

Conduct stock assessments for *Pandalus* stocks and provide management advice

Provide a framework for knowledge exchange between ICES and NAFO

## OUR CHAIRS



Mark Simpson  
NAFO



Fabian  
Zimmermann  
ICES

## OUR EXPERTISE

- Biology, life history, and population dynamics of Pandalid shrimp
- Fisheries data, CPUE standardization, and bycatch issues
- Quantitative ecology and mathematical modelling
- Stock assessment models, notably surplus production models and SS3

Scan the QR code  
to learn more  
about our work

