

# Towards a new sustainable fishing adventure? – the snow crab in the Barents Sea

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Credit to: Jan Sundet, Ann Merete Hjelset, Cecilie Hansen and Trude Thangstad

# New species in the Barents Sea Ecosystem



The Snow crab

**The questions:**

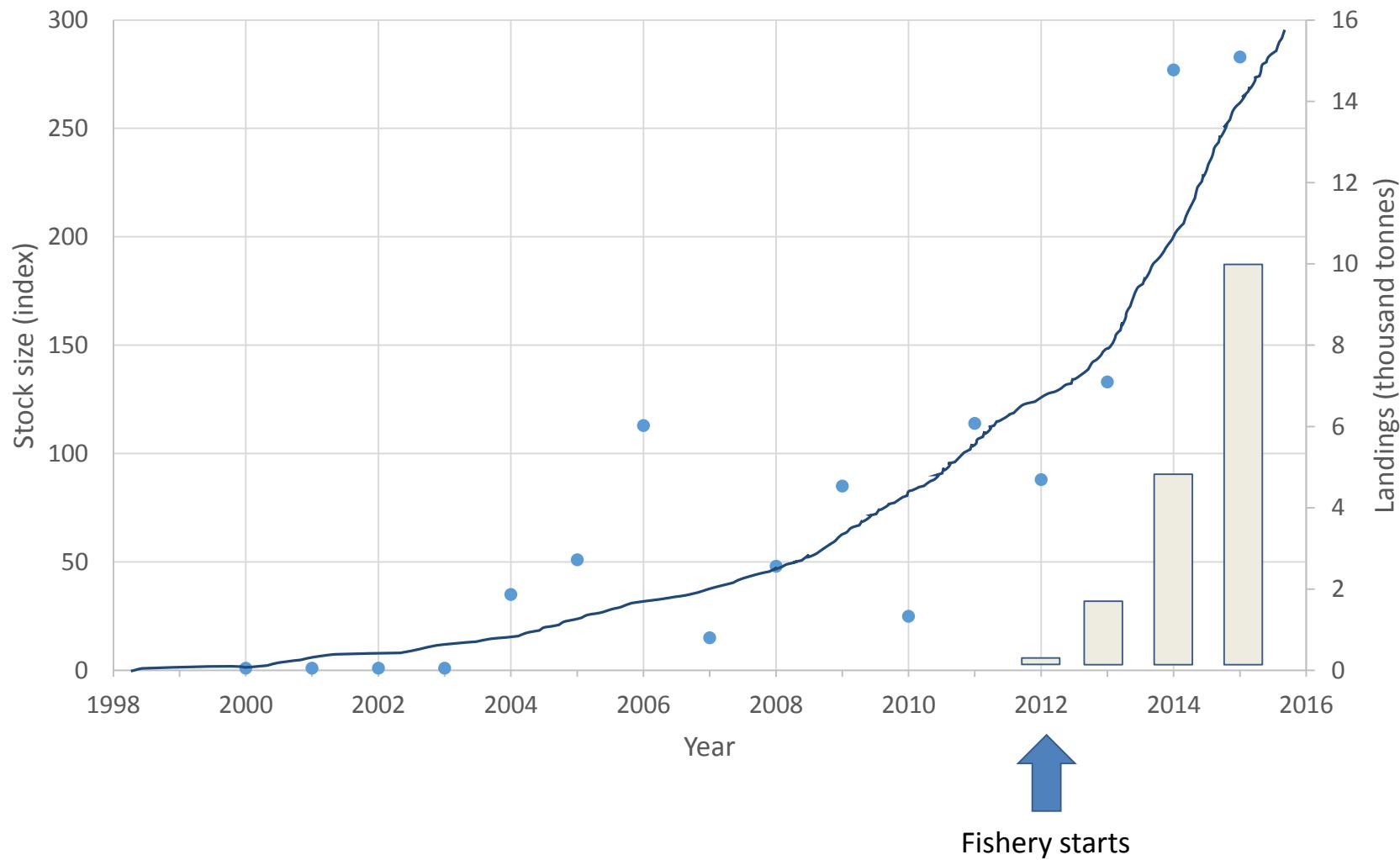
-Resource?

-Pest?

-Management?

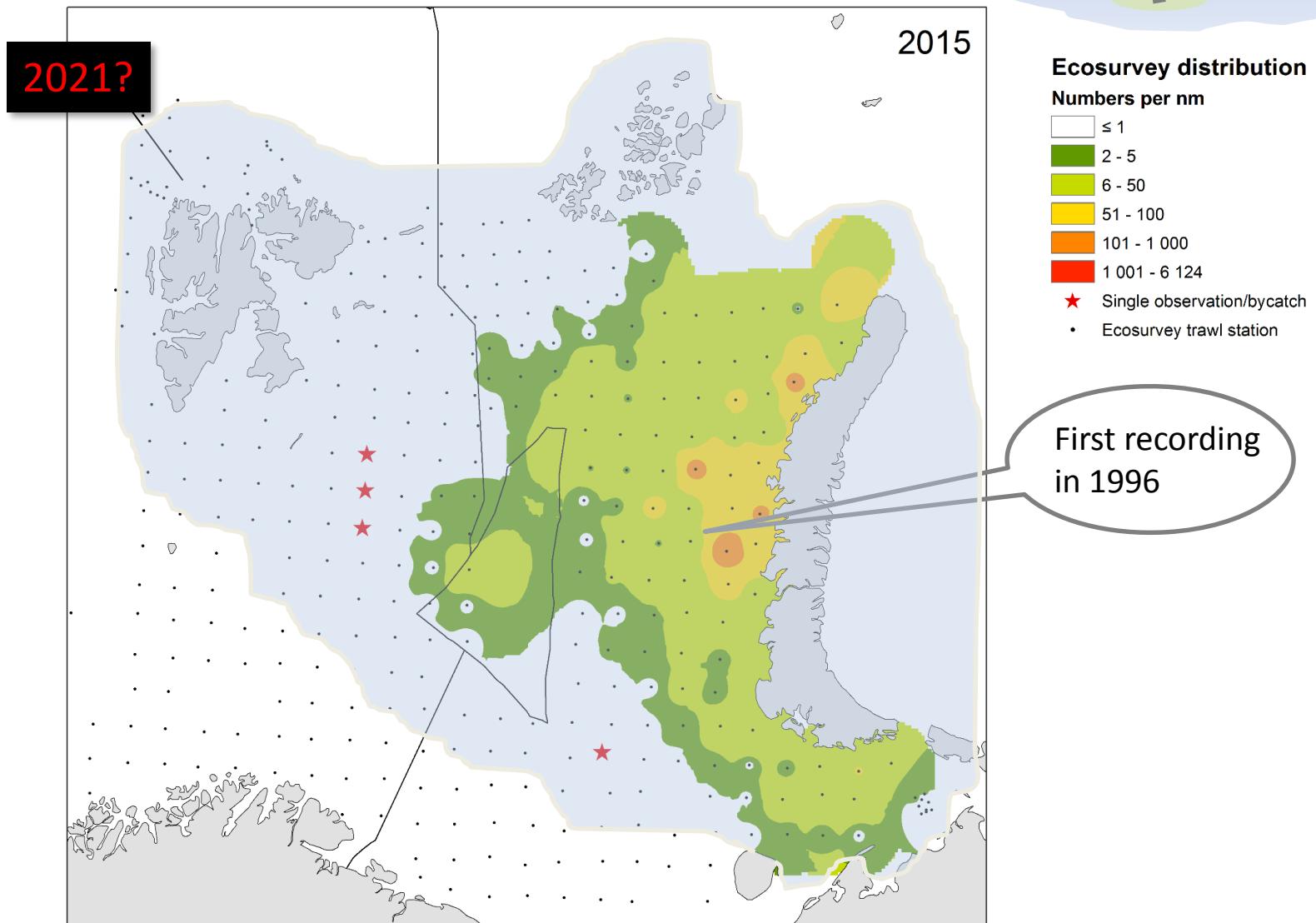
Resource?

# Stock is increasing

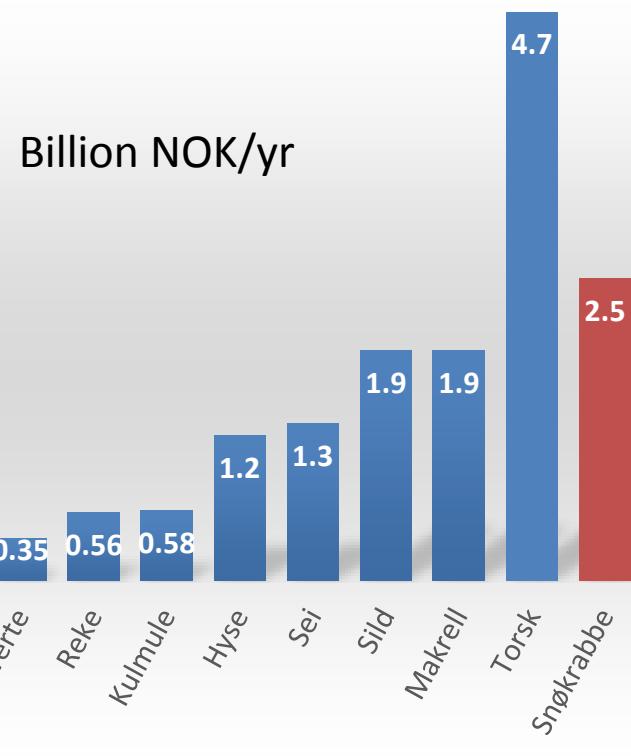
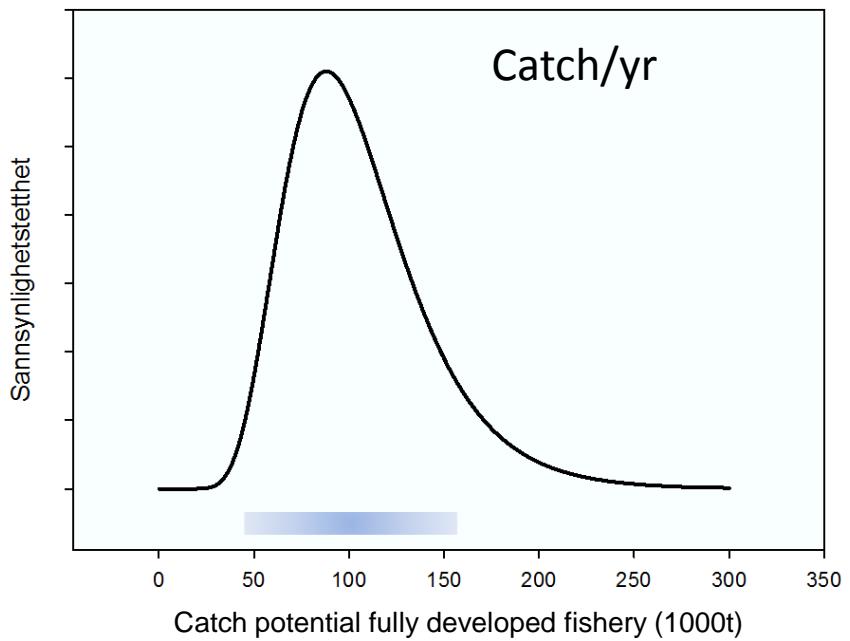


Resource?

...and continues to spread



# The prognosis:



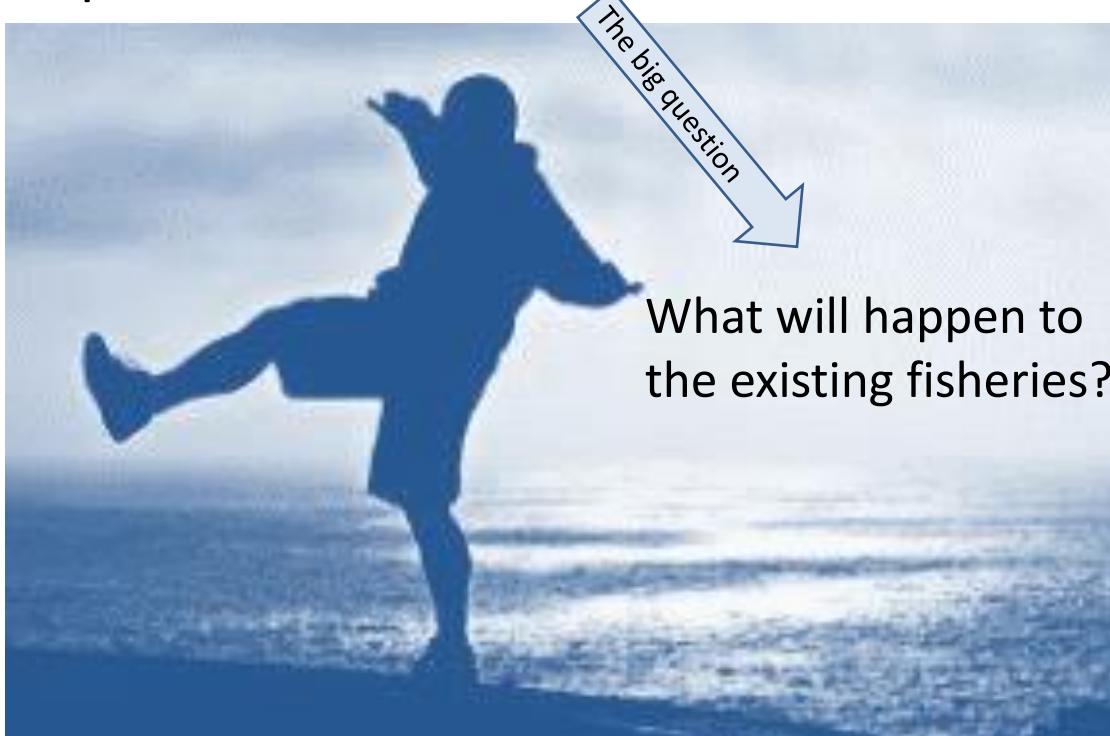
Resource



Pest?  
☠

# Unknown ecosystem impact

- Creation of ecosystem «imbalance»
  - New parasites, deceases
  - Displacement of other species
  - Trophic interactions



Pest?

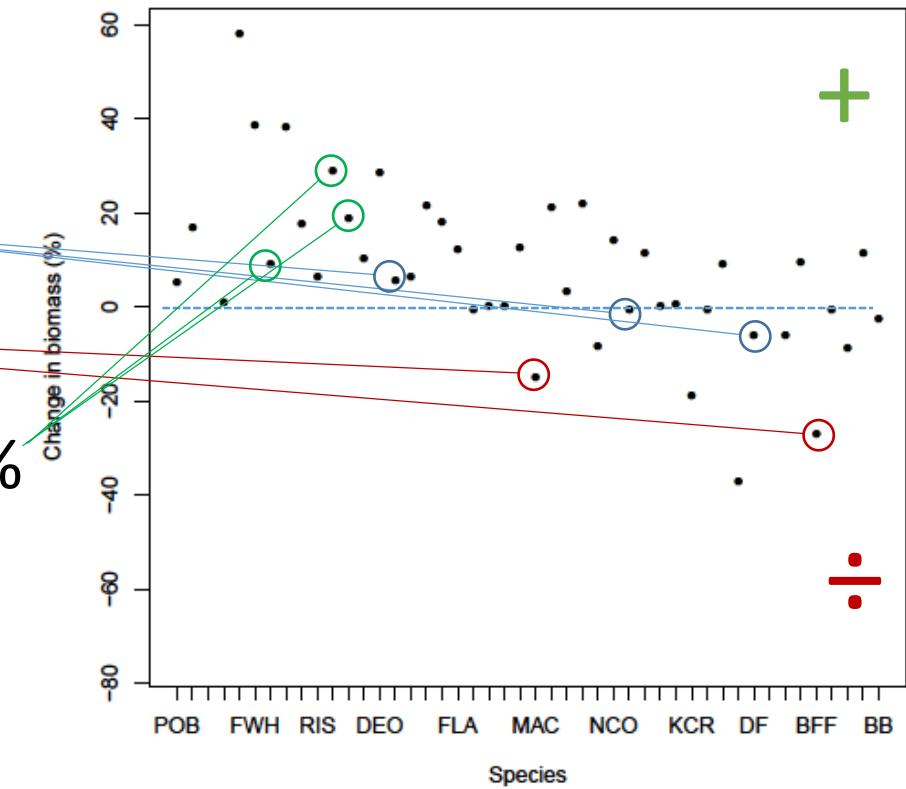
CAUTION

# Modelled effects

Plankton: ↔

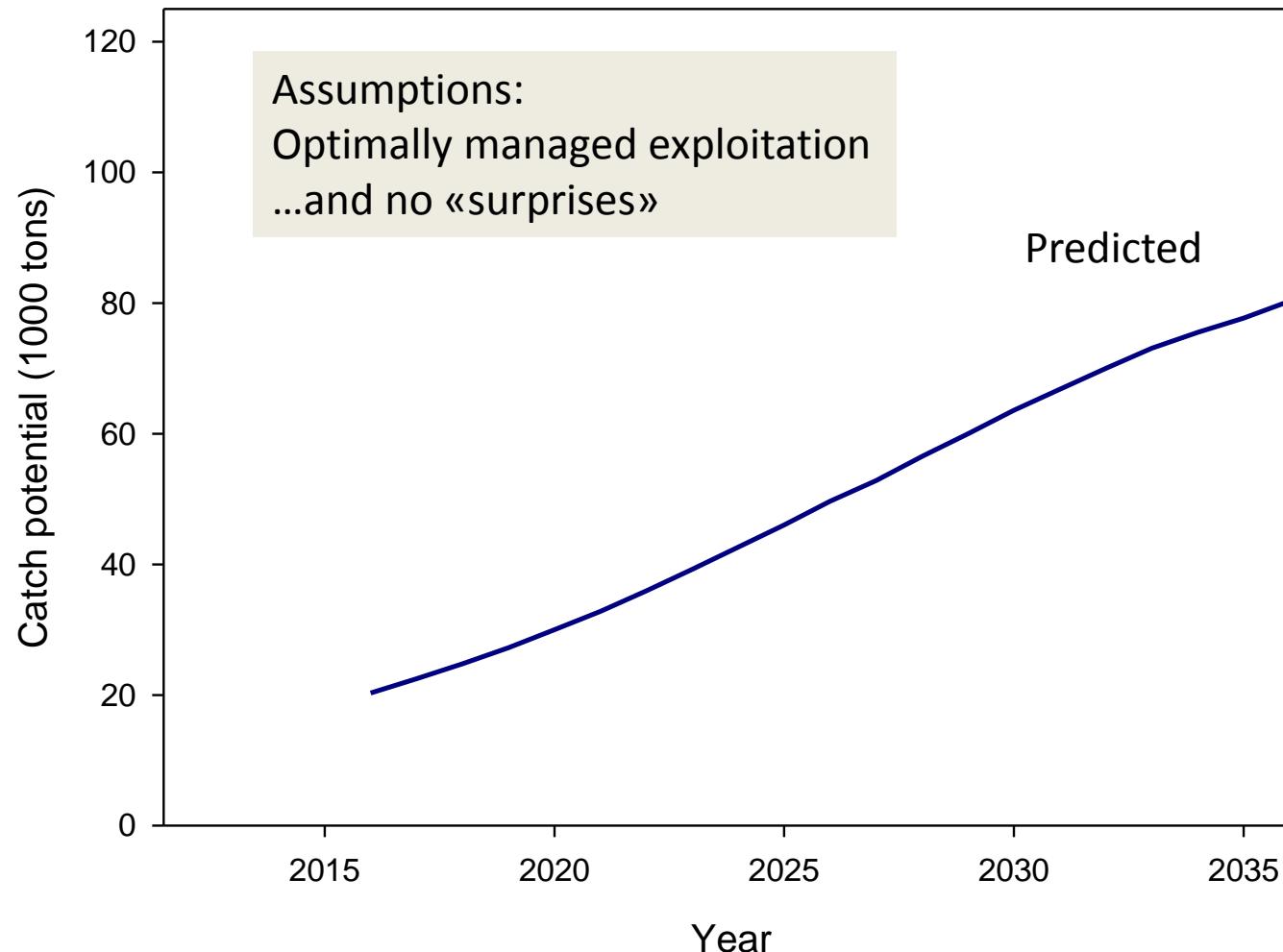
Bunndyr: ↓ 7-27%

Torsk, hyse, lodde: ↑ 10-30%



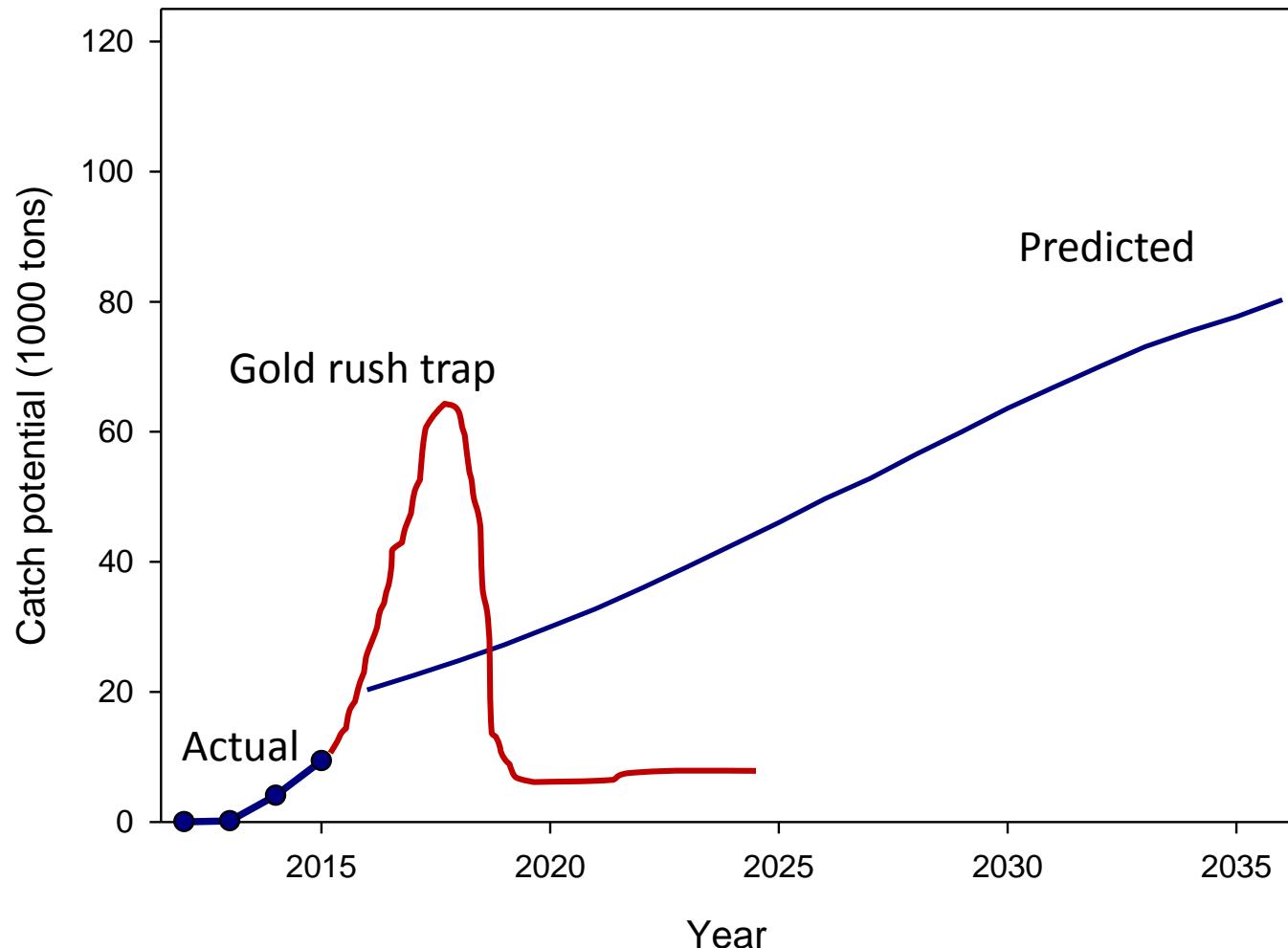
Adequate?

# Resource management



Adequate?

# Resource management

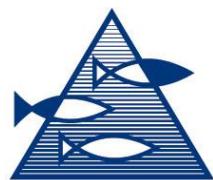


# Status: The short version...

- Known:
  - Large economic potential
- Risk:
  - Ecosystem response on
    - Other species
    - The snow crab himself
  - The gold rush trap
- Action
  - Exploitation control (management plan)
  - Research related to resource dynamics



Thanks for your  
attention!



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# The distribution of the fishery

Bonus  
material

