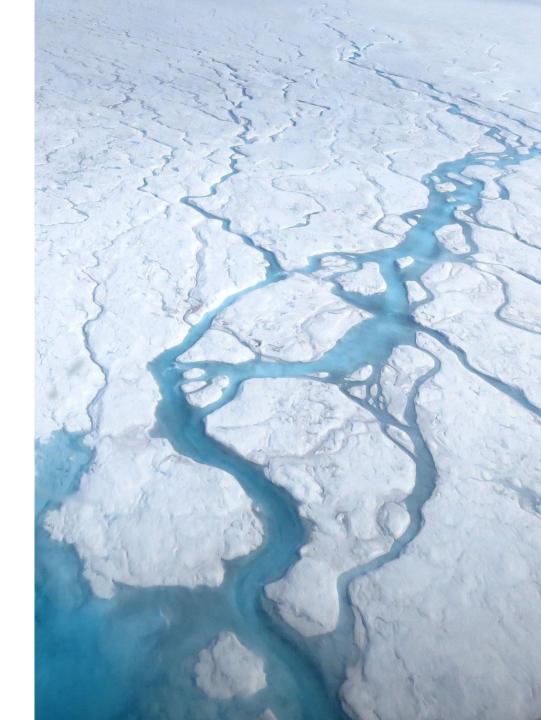


QUESTION?

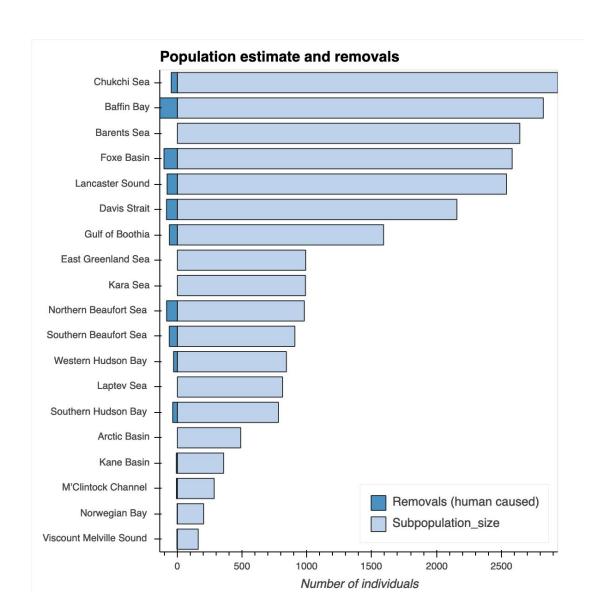
How is climate change affecting the global population of polar bears?



DATA SOURCES

- International Union for Conservation Nature and Natural Resources (IUCN)
- IUCN/SSC Polar Bear Specialist Group
- Assessment of global polar bear abundance and vulnerability. Animal Conservation.
 10.1111/acv.12439
- National Snow and Ice Data Center (ftp service)
- Goddard Institute for Space Studies NASA (GISS)

1. POPULATION AND ... QUOTAS?

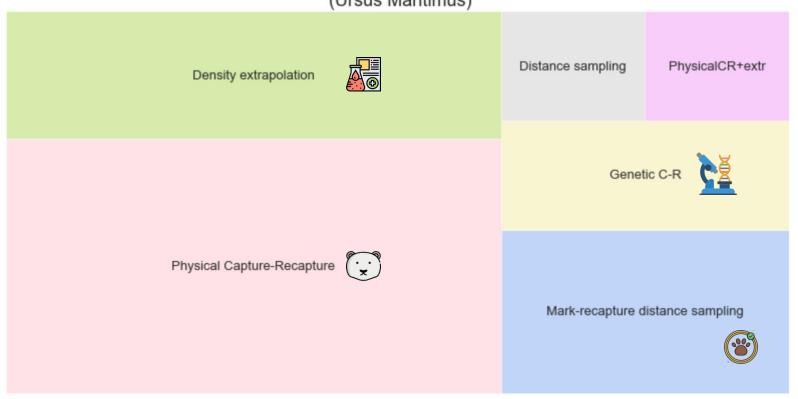






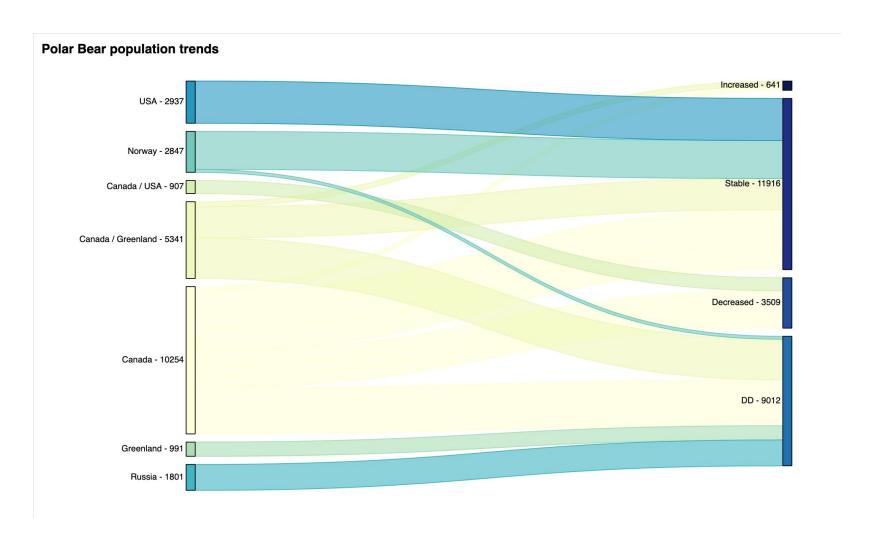
How accurate are these numbers?

Estimation Methods (Ursus Maritimus)

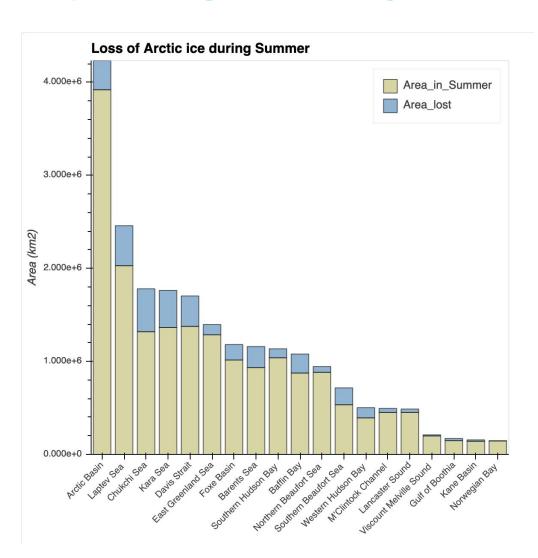


2. ARE THERE ANY POPULATION TRENDS?

Most of the subpopulations have remained stable, but there is no enough data to conclude the current trends for a great part of the total population.



3. RANGE AREA OF HABITAT



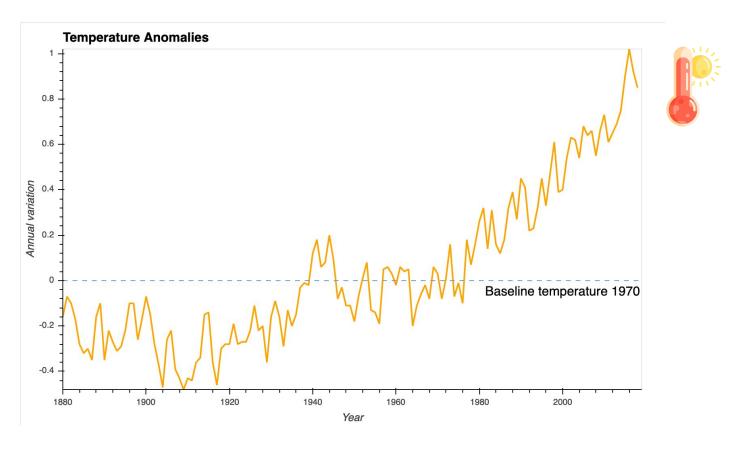
21.72 Mkm²
Circumpolar area of habitat

1.88 Bears
per 1000 km² in average

15% ice loss in Summer months

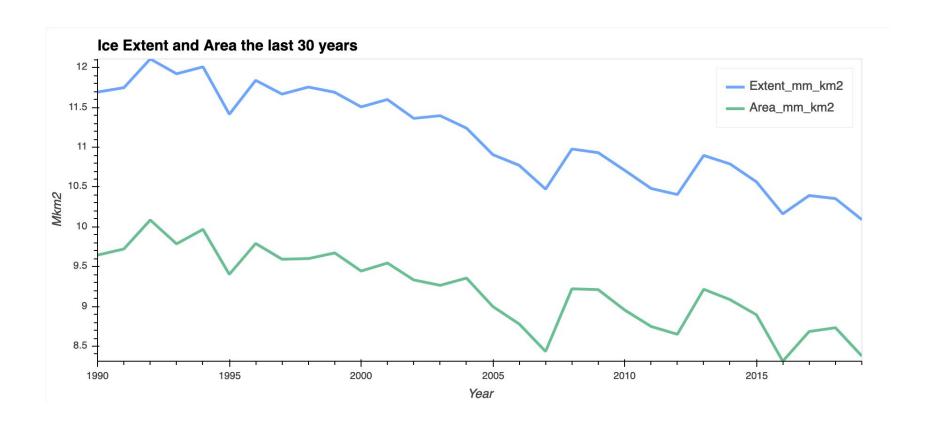
3.1. RISING GLOBAL TEMPERATURES: A CRUCIAL FACTOR

How have changed the global temperature during the last years?

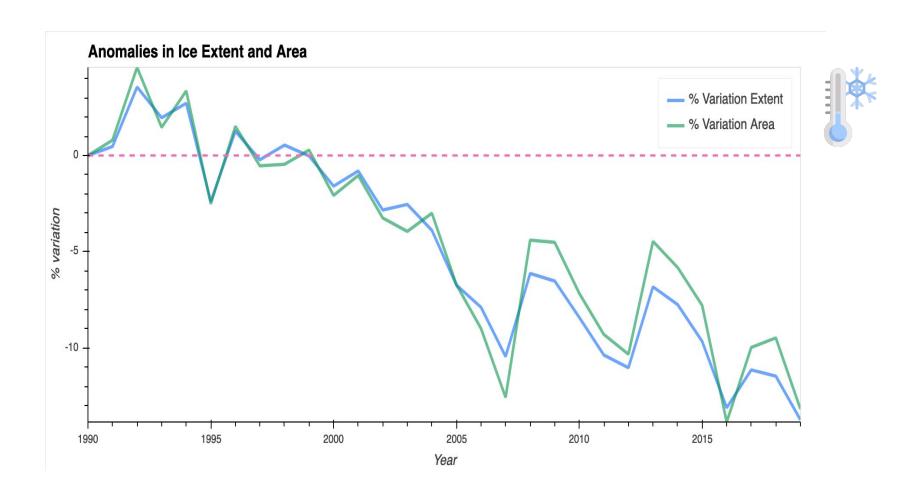


3.2. DECREASING OF THE ARCTIC ICE LAYER

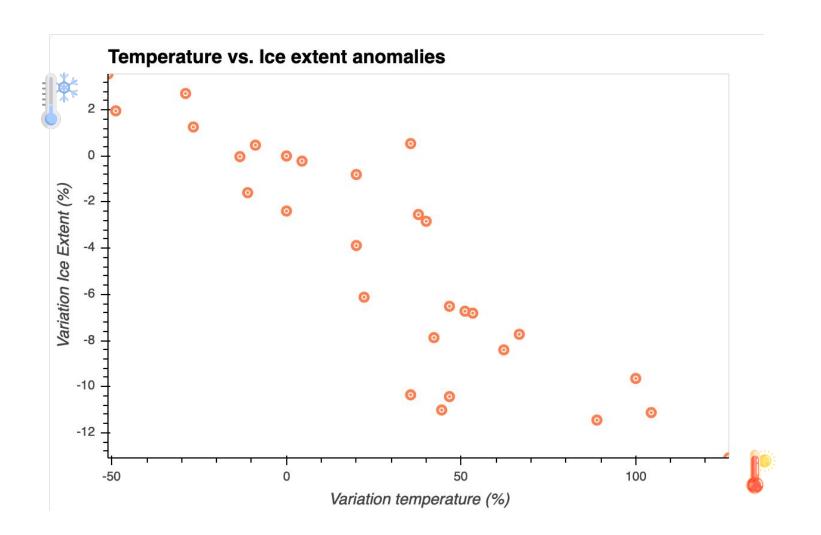
High temperatures might cause permanent loss of ice extent and therefore in loss of territory for the species:



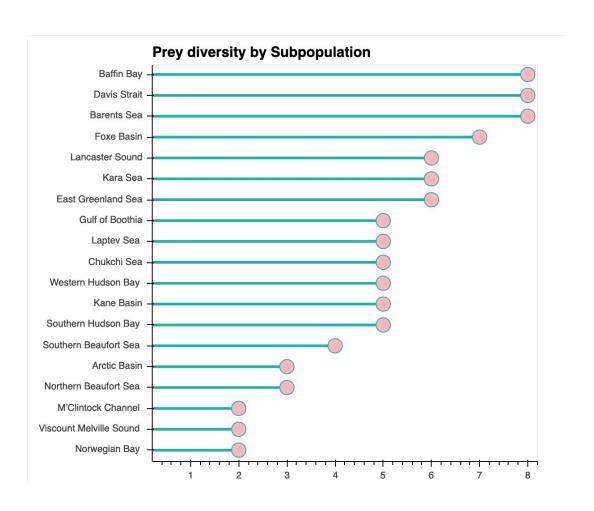
During the last 30 years, the ice extent in the Arctic has lost 15% of its area!



3.3. CONNECTING BOTH PHENOMENA



4. PREY DIVERSITY

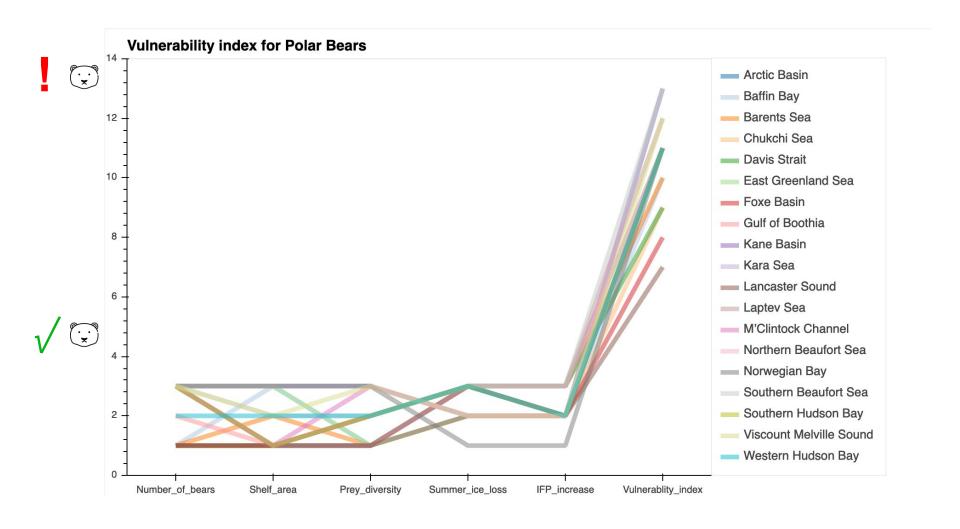






5. A VULNERABILITY INDEX

What is the most vulnerable subpopulation of polar bears?

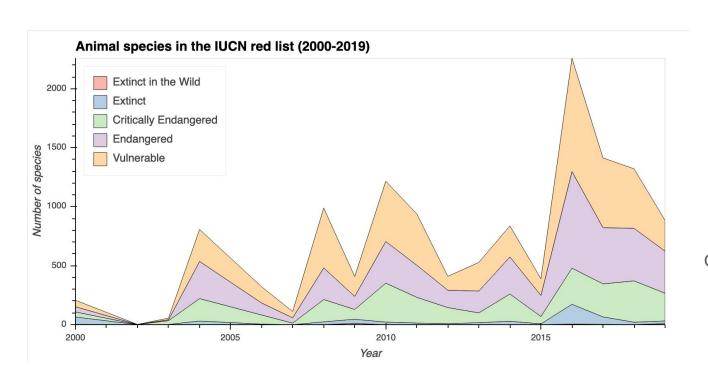


REMAINING QUESTIONS

- How have been changing the Antarctic ice extent along the years?
- Are the Arctic species more vulnerable than the Antarctic ones?
- Does the solar radiation affect the this species? Has it been moving along with the global temperature?



PLUS! How is the global picture of endangered animal species?



> 2100

Species added in 2016

Why?
Compare with the previous charts!