

Polar food web resilience in the face of a shifting climate

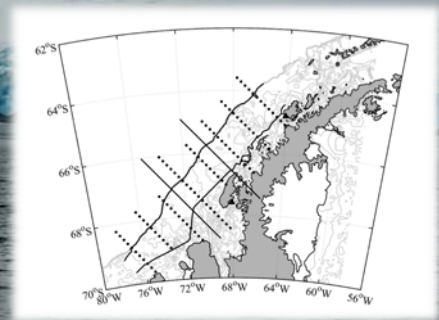
Palmer LTER

Oscar Schofield on behalf of many



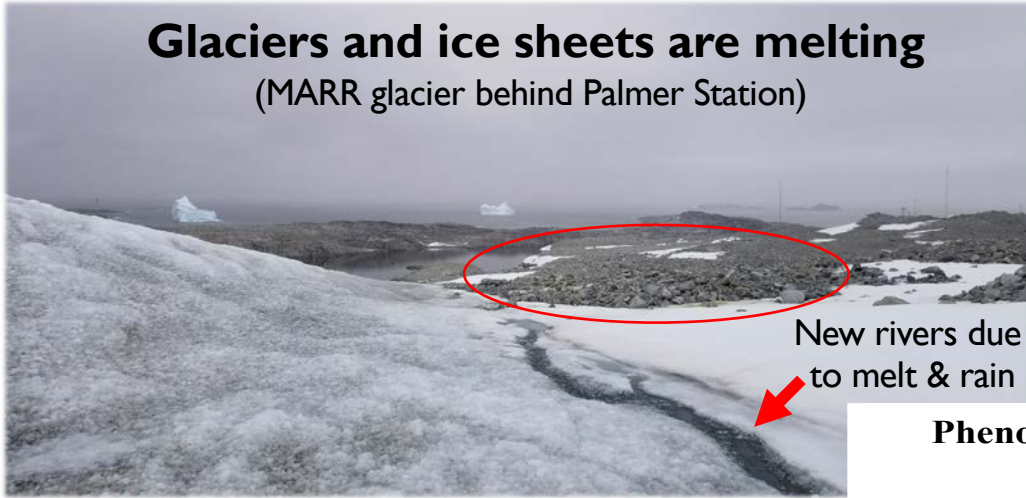
**Renewal submitted
in Spring 2020**

Welcome to new team members
Carlos Moffat (U. Delaware)
Megan Cimino (UC Santa Cruz)
Ben Van Mooy (WHOI)



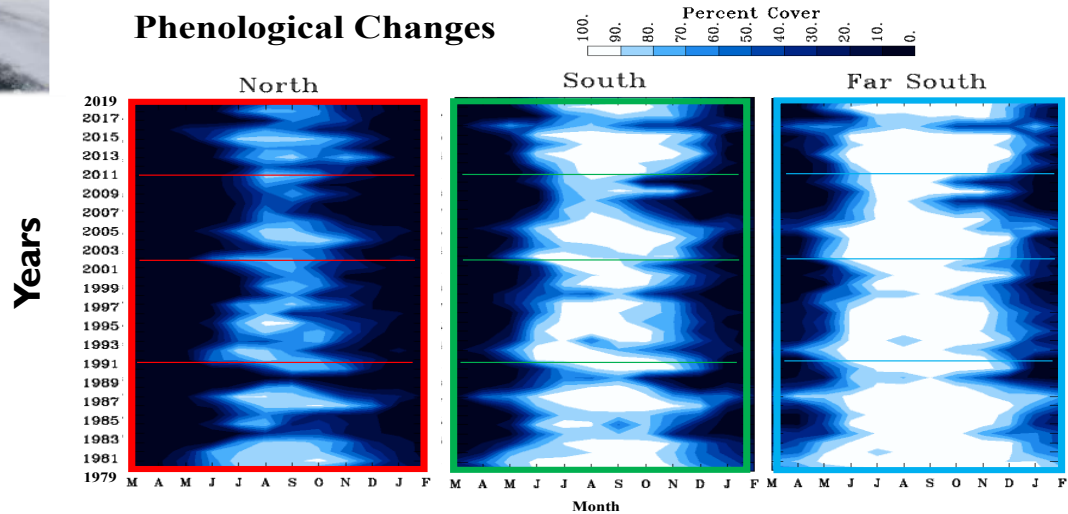
The West Antarctic Peninsula (WAP) is a model system for polar marine ecosystems undergoing change

Glaciers and ice sheets are melting
(MARR glacier behind Palmer Station)

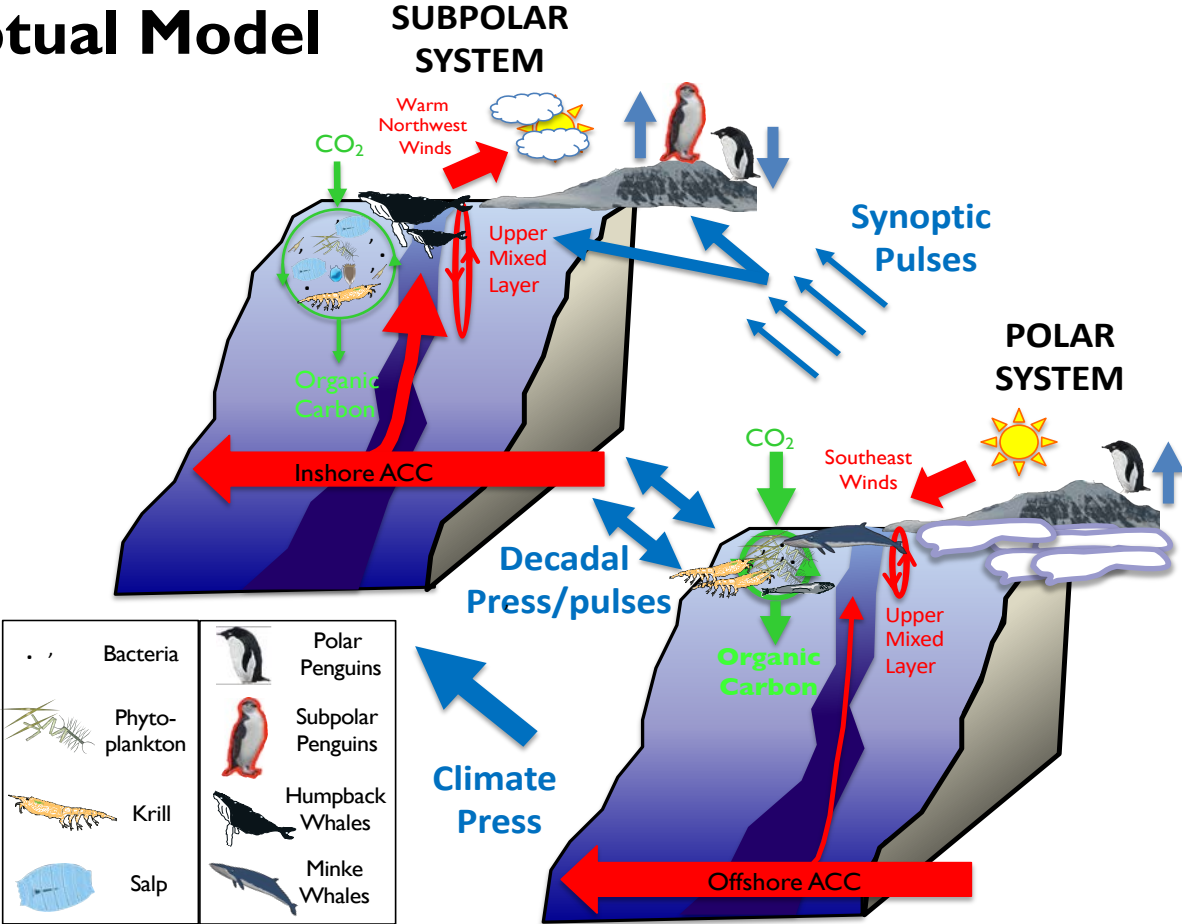


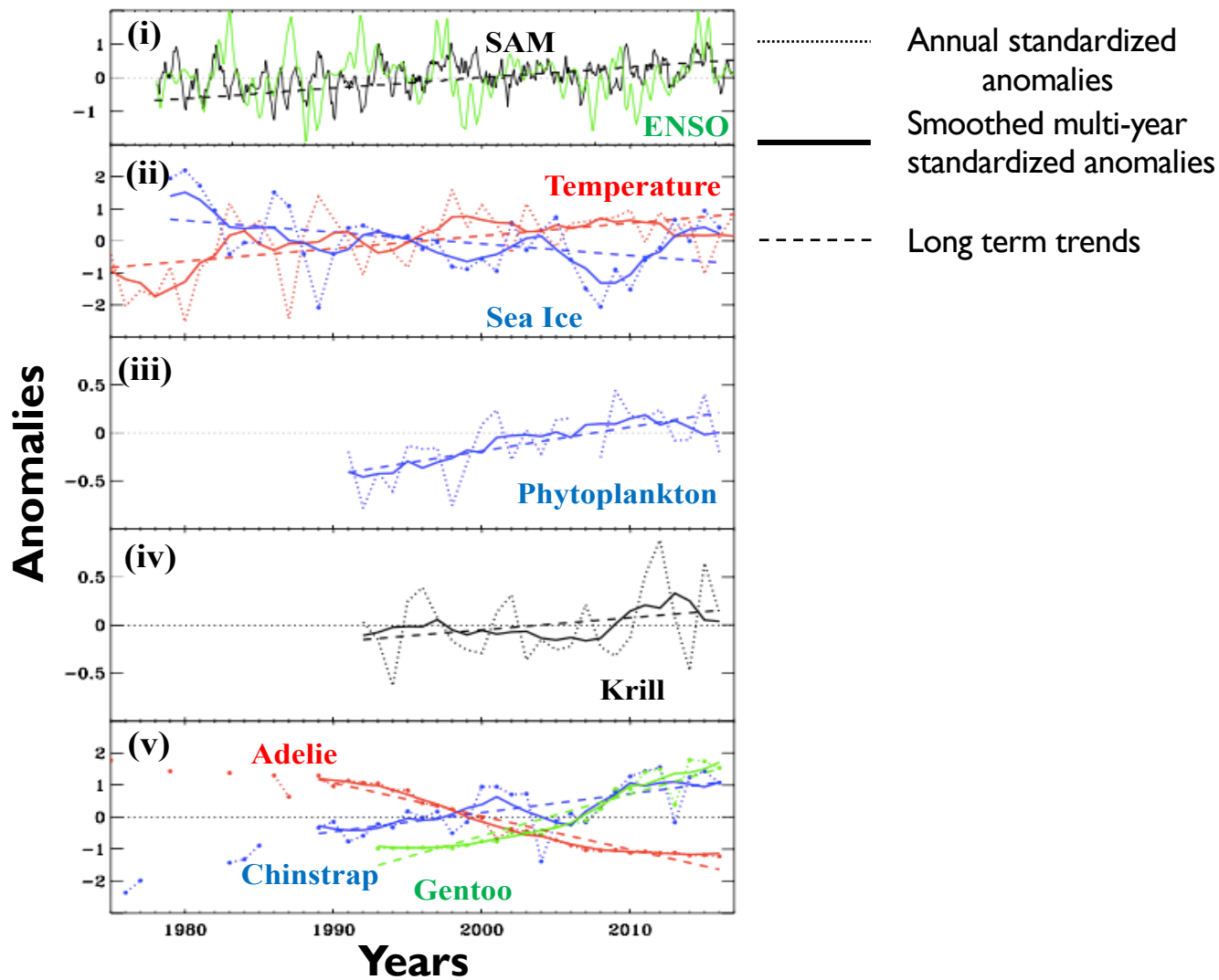
Regionally sea ice is melting

Phenological Changes

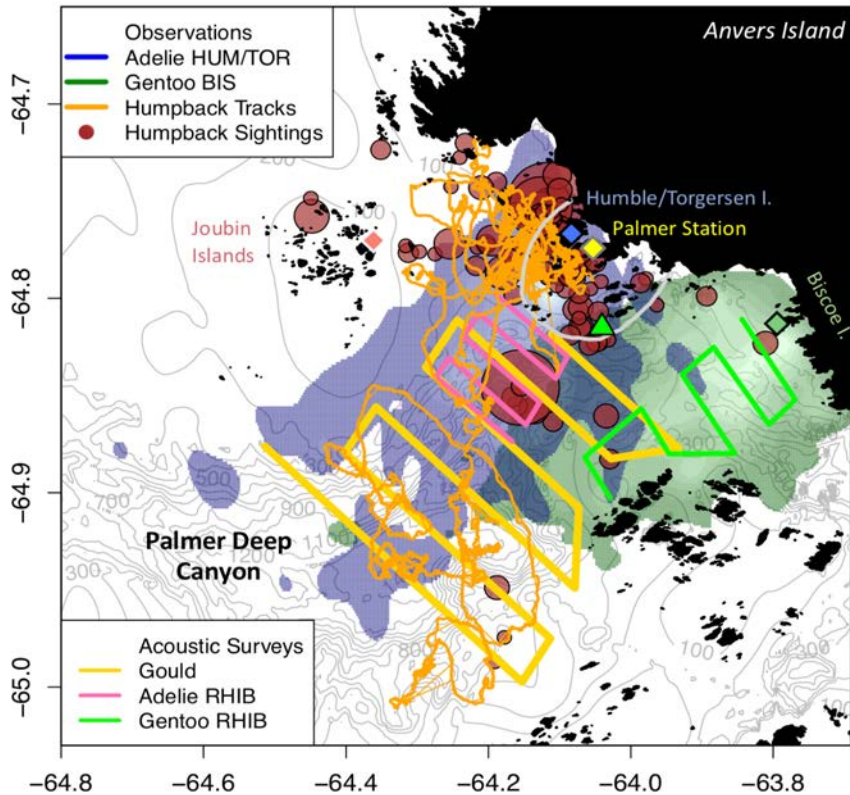


Our Conceptual Model





Food competition for available resources among higher trophic levels



High Frequency Extreme Weather?

