

Introduce yourself to someone new to discuss (10min)

- your thoughts about the two talks
- the intersection between models and observations

Suggestions for discussion questions:

Observations:

- 1) What would you measure if you could?
 - a) What are your dream measurements and what is holding us back from making them?
- 2) What observations are needed to address the unique aspects of the Southern Ocean and/or the Arctic Ocean. For example, the different role of deep water in the two oceans.

Models/modeling:

- 1) What are the current limitations in modeling the polar ocean-ice-atmosphere system?
- 2) What methods do you know about or think are needed to improve models, e.g., assimilation, machine learning... ?

The intersection between models and observations:

- 1) How does modeling inform observations and oppositely?
 - a) What opportunities are there for advancing models from new and different observations?
 - b) How would modeling play a role in your measurement campaign?
- 2) Can you be both an observer and modeler?

Ethical considerations:

- 1) Are considerations of ethical research practices important to modeling?
- 2) To observations?