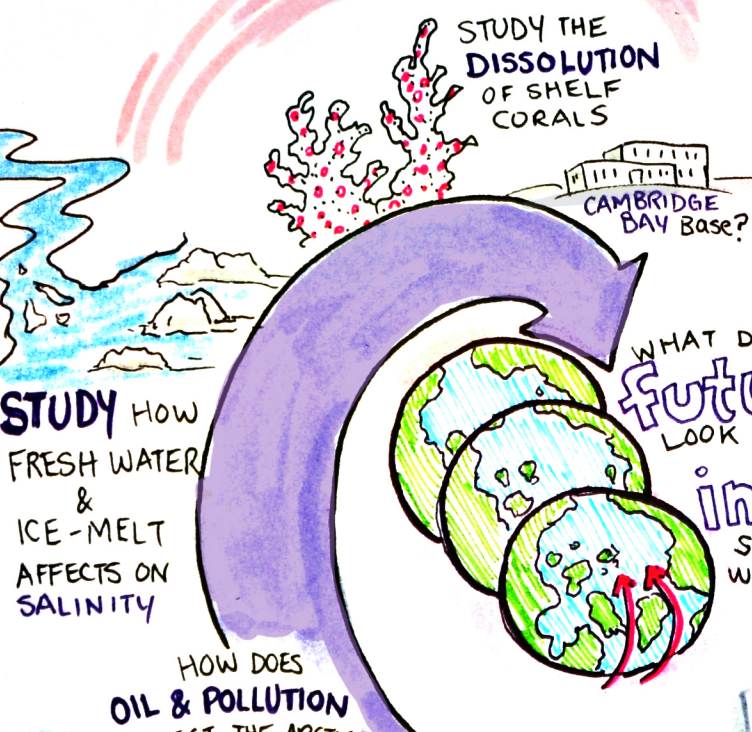


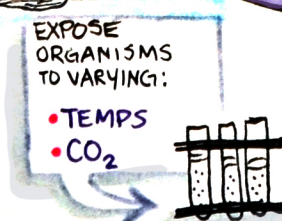
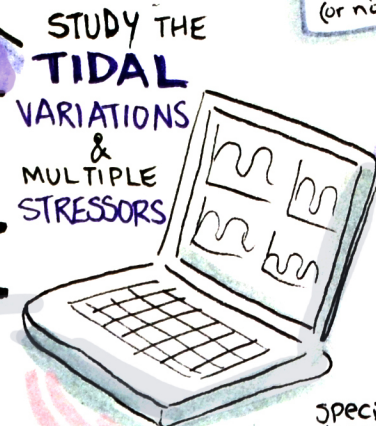
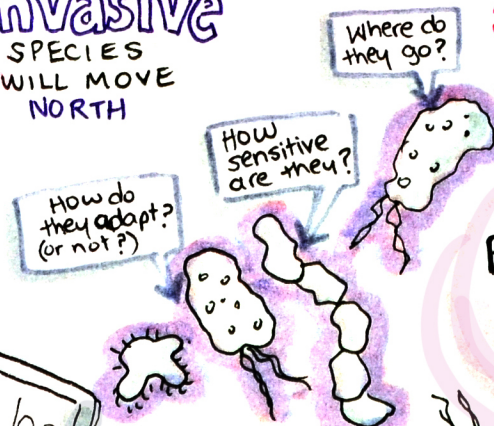
# ARCTIC

Ocean Acidification  
DR. NADJA STEINER • DR. HELEN FINDLAY  
FEBRUARY 18, 2015



WHAT DOES THE **future** LOOK LIKE?

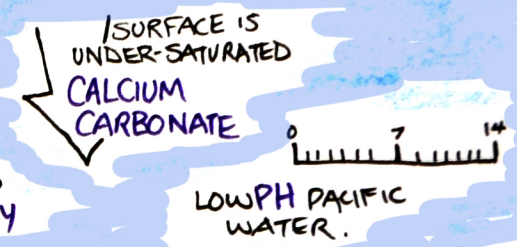
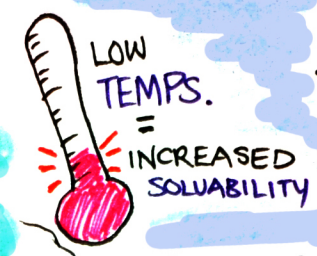
**invasive** SPECIES WILL MOVE NORTH



ORGANISMS ARE BEING EXPOSED TO VARIETY OF CONDITIONS.

species vary based on temperatures!

**IDEAL** FOR STUDY!!

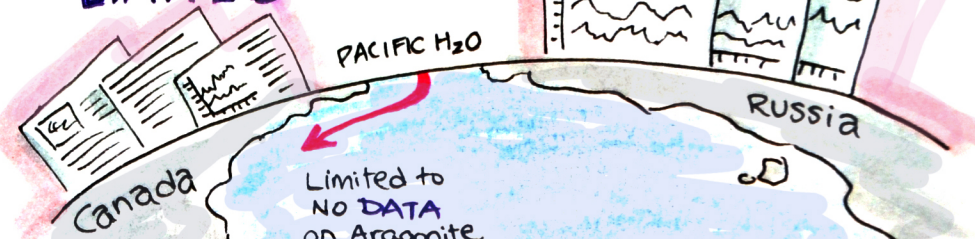


ORGANIC CARBON

SINKING MATERIALS

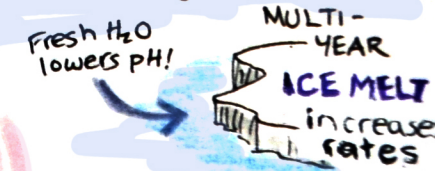
NEED continuous monitoring of H<sub>2</sub>O GATEWAYS

STUDIES AND DATA IS VERY LIMITED



**ARCTIC REGIONAL MODEL**  
Being developed for thorough & consistent MONITORING... specific to CANADA

**ACCELERATED** ACIDIFICATION IN ARCTIC



High-res. monitoring heat maps



CANADIAN ARCTIC is a complex environment! MOSTLY a SHELF region, which are sensitive to UPWELLING

