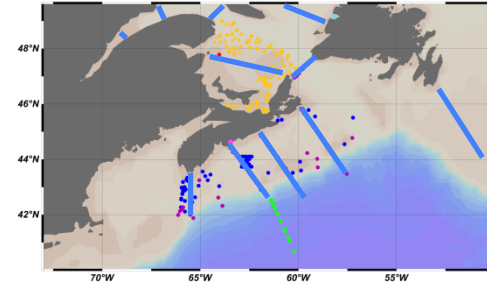


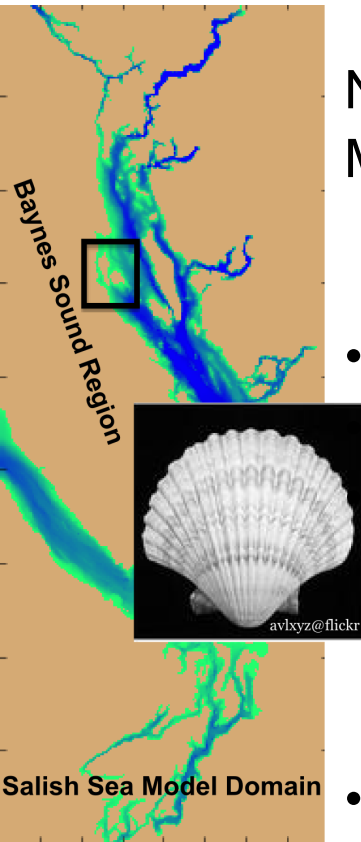
Ocean Acidification in Canadian Coastal Communities: An Integrated Coastal Acidification Program (I-CAP)

Karen Kohfeld (Simon Fraser University)



Nine co-PIs from five universities, DFO, and industry
Multiple additional collaborators from university, government (DFO), and industry partners

- Build upon existing capacities
- Use local wisdom to target new observations
- Integrate new observations with
 - targeted biological experiments (field, laboratory) on key commercial species
 - Development/enhancement of existing modeling efforts
- Assist long-term planning and understand long-term



I-CAP themes

THEME 1 (FIELD OBSERVATIONS): what is spatial and temporal variability of carbonate chemistry in near-coastal areas where harvesters are operating?

D. Ianson (DFO-IOS), K. Kohfeld (SFU), J. Laroche (Dal), P. Gallagher (SFU)
P. Pepin (DFO-St John's), K. Azetsu-Scott (DFO-BIO)

THEME 2 (BIOLOGICAL INTERACTIONS AND IMPACTS): what are dominant controls on variability in near-coastal regions in Canada?

C. Harley (UBC), J. Laroche (Dal), P. Calosi (UQuebec Rimouski), D. Daoud (Homarus), K. Azetsu-Scott (DFO-BIO)

THEME 3 (BIOGEOCHEMICAL IMPACTS): how does this variability affect species important to harvesters and coastal communities?

S. Allen (UBC), D. Ianson (DFO-IOS), K. Azetsu-Scott, K. Fennel (Dalhousie), D. Lavoie (DFO-IML), J. Chassé (DFO-Gulf)

THEME 4 (SOCIO-ECONOMIC IMPACTS): what are socio-economic risks to Canadian coastal communities affected by coastal acidification?

T. Charles (St Mary's), J. Silver (U. Guelph), J. Mullane (DFO-Policy), J. Ford (DFO-Resource Mgt), C. Harley (UBC), K. Kohfeld (SFU)