



Climate Change and Implications for Community, Regions, and Resource Development

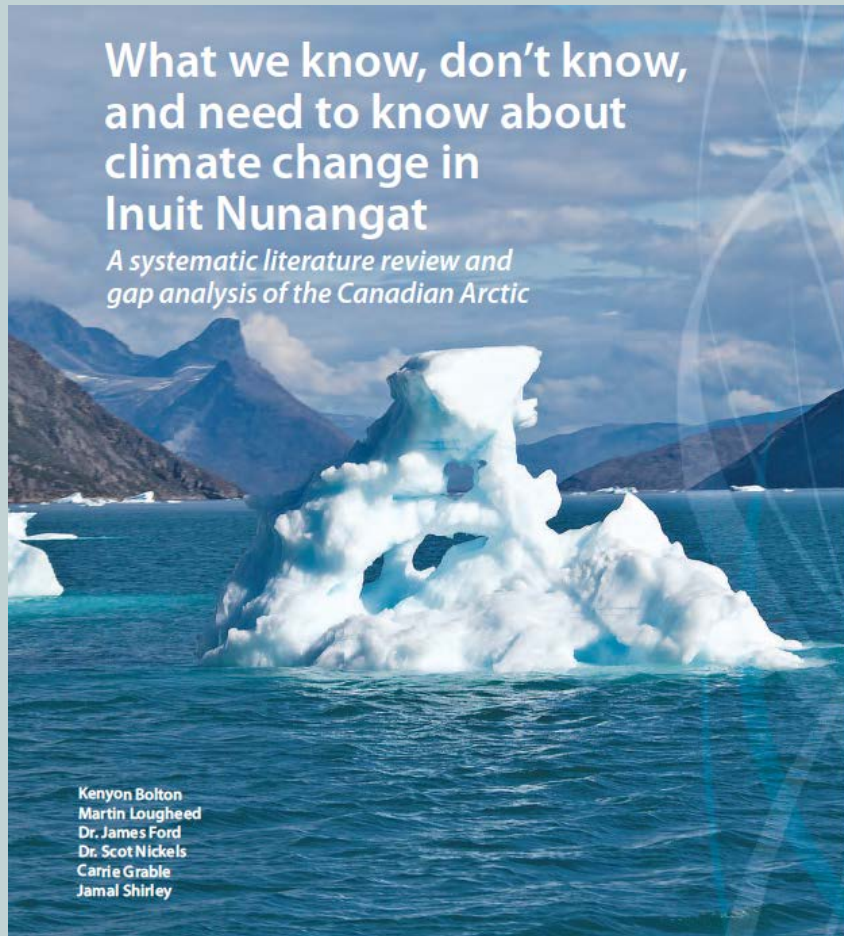
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Climate Change and ReSDA



- Climate change is the most researched issue in the Arctic
- Climate change will potentially make Arctic resources more accessible
- Its relationship with the objectives of ReSDA (helping communities maximize resource development benefits and minimize costs) is not clear
- While there is general concern about climate change most community participants see this as being an area that is being researched by others and as such should not be a priority area of study for ReSDA
- Despite this we continue to include climate change in our list of areas to research - partnership with ArcticNet

Gap analysis



- There are already a number of gap analyses of climate change
- We have summarized a number of them as our ReSDA gap analysis

Potential Impacts on Communities



- **Infrastructure and Transportation**
 - - roads, travel on sea ice
- **Health and Wellbeing**
 - – impacts on general health, food insecurity
- **Business and Economy**
 - – what effect will mining have on a community's ability to adapt?

Potential Impacts on Communities cont.



- **Culture and Education**

- - need to link traditional knowledge with science, protect culture so as to ensure community's ability to adapt

- **Hunting and Subsistence Harvest**

- - this will likely be effected by climate change and we need to understand how

- **Institutional and Resource Management**

- While we can't predict impacts of climate change we need to ensure communities have the ability to adapt – current institutional barriers to their ability to adapt

Priority Areas of Research



- Since potential impacts of climate change are difficult to predict we need to help communities increase their capacity and ensure that barriers to adaptation are removed
- How do we do this?
- By helping communities maximize resource development benefits and minimize costs