

REGIONAL ASSESSMENT OF OFFSHORE OIL AND GAS EXPLORATORY DRILLING
EAST OF NEWFOUNDLAND AND LABRADOR
Technical Advisory Group (TAG) Session on Climate Change
September 17, 2019
QUESTIONS AND ITEMS FOR DISCUSSION
PARTICIPANT INPUT FORM

Name and Affiliation: Frédéric Cyr, DFO Science

1) Are there any particular information sources or analysis (such as climate change projections) that you think should be accessed and used in the RA?

- changingclimate.ca : state of the art on Canada's Knowledge in regards of climate change. (National & Regional perspectives, etc.). Prepared by gov. of Canada
- IPCC.ch/report/srocc : Impacts & projections of changes on Oceans & cryosphere.

2) Are there any specific environmental phenomena or changes resulting from climate change that you feel are already having (or will likely have) an effect on the environmental conditions of the Study Area that should be a focus of the RA? In particular, any with implications for the potential environmental effects of future exploratory drilling activities in the Study Area?

- changes in wind / storm activity (frequency & severity), including the wave climate.
- Take into account project emission in regards of Canada's commitment to global greenhouse gases emissions.

3) Are there any particular environmental components and conditions that will likely change over the course of an exploratory drilling program and which therefore require consideration in its initial and on-going planning and implementation? To what degree can such changes likely be anticipated and addressed in initial planning and design, or is an "adaptive management" approach required?

4) Do you have any suggestions around how the RA should consider climate change in its content and outcomes, including in the eventual recommendations of the Committee?

- I would recommend to pay attention to the wording : Does "climate change" means "Anthropogenic climate change"? There is also natural variability that needs to be separated from the human effect. Maybe provide a "glossary".

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5) Do you have any other input or recommendations that you would like to provide to the Committee on this topic?

- Emphasize that Flemish Pass / Flemish Cap area is a choke point of the Atlantic Meridional Overturning circulation (AMOC) that will likely be affected by climate change. This implies that the RA region is specifically prone to future changes.

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