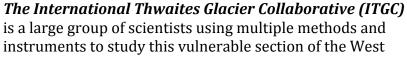
## **Thwaites Glacier**

The International Thwaites Glacier Collaboration



Antarctic Ice Sheet. Watch this video gathering information and then as a class talk using the 'Class Discussion' AND 'Explore More!' using Thwaites-Explorer.org

Note: Anna's talk is ~30 minutes including Q&A.



*Talk Title*: Understanding Thwaites Glacier

**Scientist Presenter**: Dr. Anna Crawford, University of St. Andrews from the **ITGC Project**: DOMINOS

**Consider!** Previously a field-work scientist Anna is now a modeler. How do you think her field-work experience might help her in her current modeling work?

<i>Instabilities:</i> Anna mentioned two types of ice instabilities found in Antarctica, <i>Maine Ice Sheet Instability</i> & <i>Marine</i>		
<i>Ice Cliff Instability</i> . Pick one and explain how it works.		
<i>I Learned!</i> List 3 things you learned about modeling from this talk:		

Hands Up! What questions did this video r you want to learn more about after watchin	
Tough Questions! Anna was asked some dat the end. Which did you think was the mo	
<b>Who me?</b> Would you consider this as your why not?	career? Why or

## Class Discussion:

Start by comparing your responses. List all of the things people learned on the board or a digital share space like a jamboard.

- (1) As a group discuss if there are certain items that are the MOST important take-aways from the talk?
- (2) In what ways do people think Anna's field experience would help her as a modeler?
- (3) Compare your descriptions of the different types of ice instabilities in Antarctica. Decide on the best ones.
- (4) What touch questions were asked that interested you?
- (5) Who wants to do this type of work & why?
- (6) Share some of the questions you had. As a class can you answer any of these? If not, you can submit your question to the **ITGC Ask A Scientist** team of experts through December  $10^{\text{th}}$ , 2021!