

# Thwaites Glacier

The International Thwaites Glacier Collaboration



## **The International Thwaites Glacier Collaborative (ITGC)**

is a large group of scientists using multiple methods and instruments to study this vulnerable section of the West 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](http://Thwaites-Explorer.org)

Note: Talks are ~30 minutes followed by Q&A.



### **Title Talk: Using explosives and radar in Antarctica**

**Scientist Presenter:** Dr. Sridhar Anandakrishnan from Pennsylvania State University, **ITGC Project:** [GHOST](http://GHOST)

**Words Count!** Use only 10 words to write down the main theme of this talk:

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**Cool Instruments & Tools!** Did the presenter talk about any special instruments(s) they are using in their research? If so describe what it and what is it used for.

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**I Learned!** List 3 things you learned from this talk:

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**Cool Stuff!** Something you found really interesting:

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**Hands Up!** What questions did this video raise or what do you want to learn more about after watching this video?

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**Who me?** Would you consider this as your career? What about working in Antarctica? Why or why not?

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### **Class Discussion:**

- (1) Start by comparing your responses. List all of the things people learned on the board or a digital share space like a jamboard. As a group discuss if there are certain items that are the MOST important take-aways from the talk?
- (2) Compare what people found cool and take a vote to see which one people found the most cool!
- (3) Who wants to do this type of work in Antarctica?
- (4) 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<sup>th</sup>, 2021!

### **Explore More! Use Our Tool: [thwaites-explorer.org](http://thwaites-explorer.org)**

Use the map "[Thickness of Antarctic Ice](http://Thwaites-Explorer.org)" (under **Why do we study Thwaites?** -> **How does Thwaites affect sea level?**)

- (1) Click the (i) button for an information page with suggestions on how to explore the map!
- (2) Interact with the map directly! It is touch sensitive!