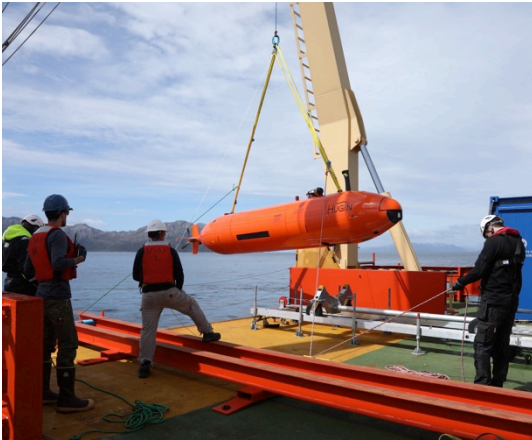


UPDATE FROM ANTARCTICA!
News for Students 5-11 yrs.
**HUGIN 'THE BRAVE LITTLE SUBMERSIBLE'
EXPLORES UNDER THWAITES GLACIER, ANTARCTICA**



'THE LITTLE SUB THAT COULD!'

The Hugin, a little orange submarine, travelled to Antarctica with a clear plan: work with the science team to complete some underwater tests in shallow open water alongside the large ship, collect water samples and measurements, and dive under some floating ice...The Hugin is a plucky little explorer and together with the science team completed the tests successfully. And so with a mighty effort the team pushed beyond their 2019 field season goals, and gathered the very first data from an unexplored area, beneath the floating ice of Thwaites Glacier! Hurray for the little sub that could!



The Hugin is named *Ran* after the Norse God of the Sea. *Ran* dove about 0.5 miles (1 km) under 1000-1500 ft. (300-500 meter) of thick floating ice to explore below Thwaites Glacier.



The research ship lowers an instrument into the ocean to communicate with *Ran* while it is underwater to be sure it doesn't try to return to the surface underneath thick ice.



After *Ran* safely resurfaces members of the team are sent out in an inflatable zodiac boat to 'catch' it and pull it back to the ship.



Ran team members, Dr. Wåhlin right and Dr. Mazur left, celebrate with a team High-5 after the small submarine is safely back onboard.

Photo credits: top Lars Boehme, below L-R (top and bottom) Linda Welzenbach, Tasha Snow.

For more on this story check out the blog: Tasha Snow: <https://thwaitesglacier.org/blog/snow-on-ice>