WEDDELL SEA EXPEDITION 2019

Education Partner

Royal Geographical Society with IBG

Advancing geography and geographical learning

Follow

a ground-breaking 45-day expedition to the Weddell Sea, Antarctica with your class from January 2019 to see what discoveries the expedition researchers make

Aims of the expedition

- Undertake a major scientific research programme to study the Larsen C Ice Shelf
- Survey the rich marine life of the western Weddell Sea ecosystem
- Attempt to locate and survey the historic wreck of Sir Ernest Shackleton's ship *Endurance*

- **Discover** more about the Weddell Sea and the expedition's work through videos from its members, online animations and classroom resources
- **To follow the expedition**, visit **www.weddellseaexpedition.org/** and for educational resources visit **www.rgs.org/wse**

Weddell Sea Facts

1. Named after a Scottish sailor, James Weddell
2. It is 2.8 million km² in size
3. The Adélie penguin is the most numerous species of penguin
4. The Weddell Sea is one of the hardest places in the world to get to because it is covered in sea ice
5. Weddell seals are impressive divers, they can reach 600m depth and spend as long as 82 minutes underwater

© Daniel Schilperoort

Weddell seals live farther south than any other mammal

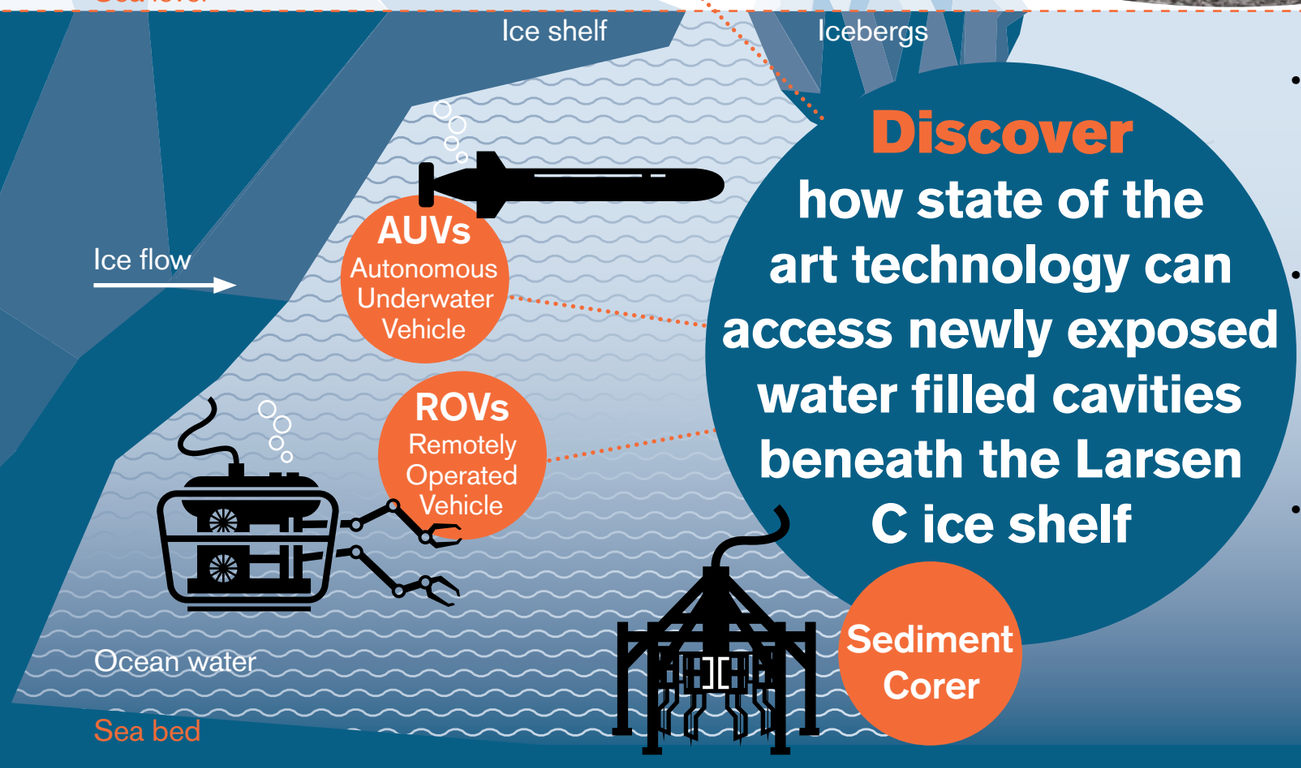
© Pete Bucktrout, British Antarctic Survey

Discover

why the Weddell Sea is such an extreme environment

Discover

how state of the art technology can access newly exposed water filled cavities beneath the Larsen C ice shelf



- Measure the **baseline temperature**, **salinity** and **chemistry** conditions in the Weddell Sea
- Map **seafloor morphology** (GIS) and determine the **shallow stratigraphy** beneath floating ice shelves
- Learn more about **global ocean circulation**

Search

for Sir Ernest Shackleton's *Endurance* wreck

- Search for Sir Ernest Shackleton's expedition ship *Endurance* which was crushed by ice and lost in 3,000m deep water a century ago

'Frank Wild looks on at the wreck of the *Endurance*' Photograph by Frank Hurley

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Flotilla FOUNDATION

The Weddell Sea Expedition is funded by the Flotilla Foundation. The Scott Polar Research Institute, University of Cambridge, leads the pioneering science programme, in partnership with The Nekton Oxford Deep Ocean Research Institute, and a team of international researchers from South Africa and New Zealand. The RGS-IBG is the expedition education partner in the UK.

Scott Polar Research Institute

NEKTON

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