

A white silhouette of the continent of Antarctica is positioned on the right side of the slide, set against a dark blue background.

**RELATIONSHIP BETWEEN
ICEBERG MELTING RATE
& SEDIMENT DELIVERY IN
ANTARCTIC COASTAL
WATERS**

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Increasing **temperatures** in the atmosphere and the Southern Ocean have generated the **retreat of 95% of glaciers** in the Antarctic Peninsula, which has increased **meltwater inputs** along with glacier calving.



**We analyzed the release of
sediments during iceberg
melting in Maxwell Bay (King
George Island).**

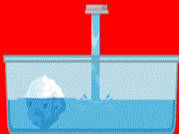


2

METHODOLOGY



a) Collect



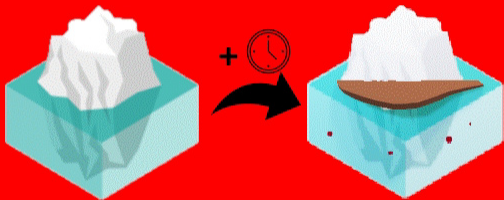
b) Monitor melt

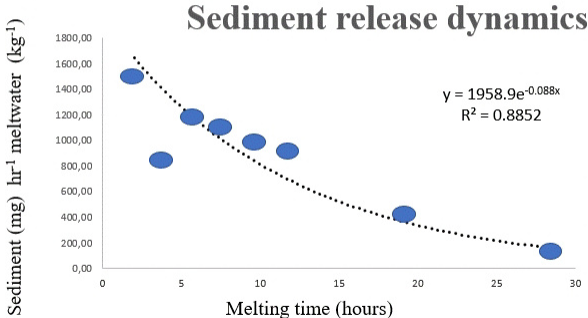


c) analysis

3

RESULTS





4

CONCLUSIONS

The amount of sediment (mg) released per kg of meltwater (kg) decreased exponentially with time. Therefore, most of the sediment is released during the first hours after calving, which limits the range where icebergs deliver sediments to the ocean.

Global Warming

Ocean Warming

