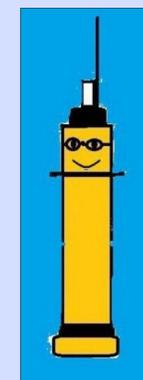




Argo Floats

Measuring the ocean

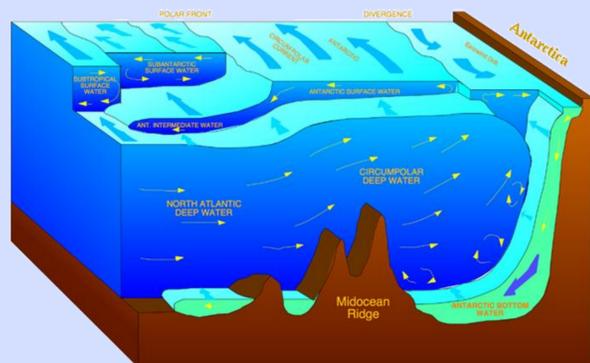
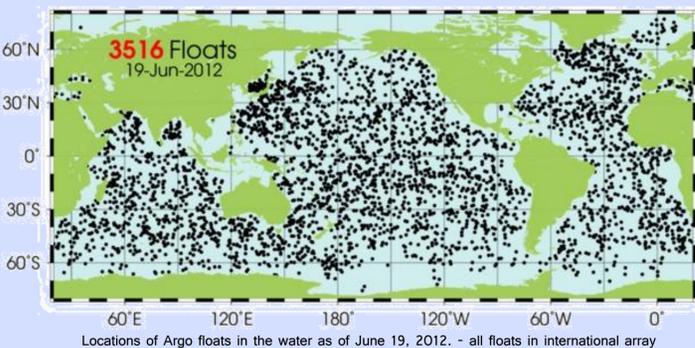


Project Objectives:

Develop knowledge and understanding of

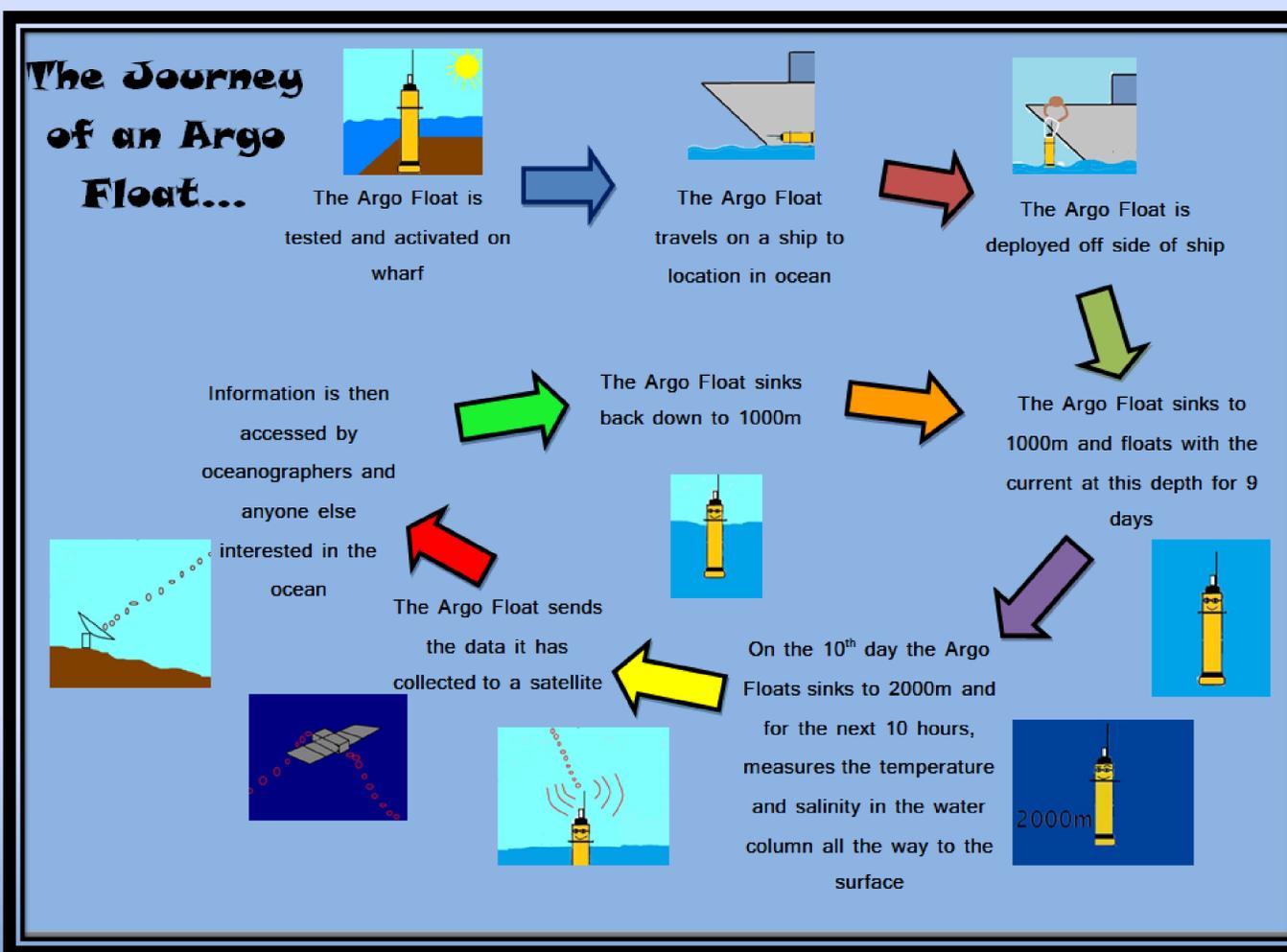
- Argo Float technology and how it is used to gather ocean data
- Argo Float data and how they are used to understand ocean currents
- The Southern Ocean south of New Zealand

Argo Floats are a very cool technology to measure temperature and salinity in our oceans. We need this information to help us with climate, weather, and ocean research.

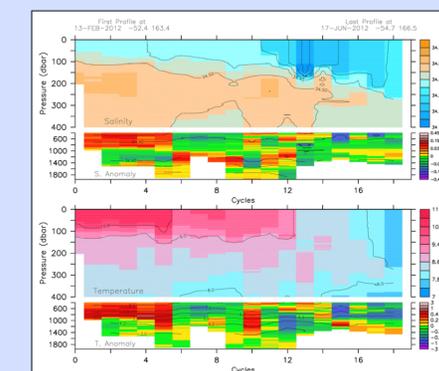


Southern Ocean Cross Section. Wikimedia Commons: Hannes Grobe

The Southern Ocean acts like a pump house for the other major oceans, drawing surface waters south towards the Antarctic Circumpolar Current (ACC), where they are modified and re-exported north as intermediate waters (500 – 1500 m depth) and bottom waters (> 4000 m depth).



Argo data gives oceanographers and climate scientists a comprehensive ocean data set.



Graphs showing salinity and temperature of WMO 5903879 in the Southern Ocean <http://sio-argo.ucsd.edu/>

Argo data are easy to access and are truly global. They bring more awareness of how our oceans work and keep a watch on major temperature and salinity anomalies and changes in ocean circulation. Argo data also aid the monitoring of environmental conditions that affect fish stocks and biological productivity.

Carol Brieseman

Primary Science Teacher Fellow 2012

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Blogs and Wiki

[Sea breeze@Niwa](#) blog about time at Niwa

[‘Our Far South’](#) Argo blog

[Way Down South](#) Educational wiki



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