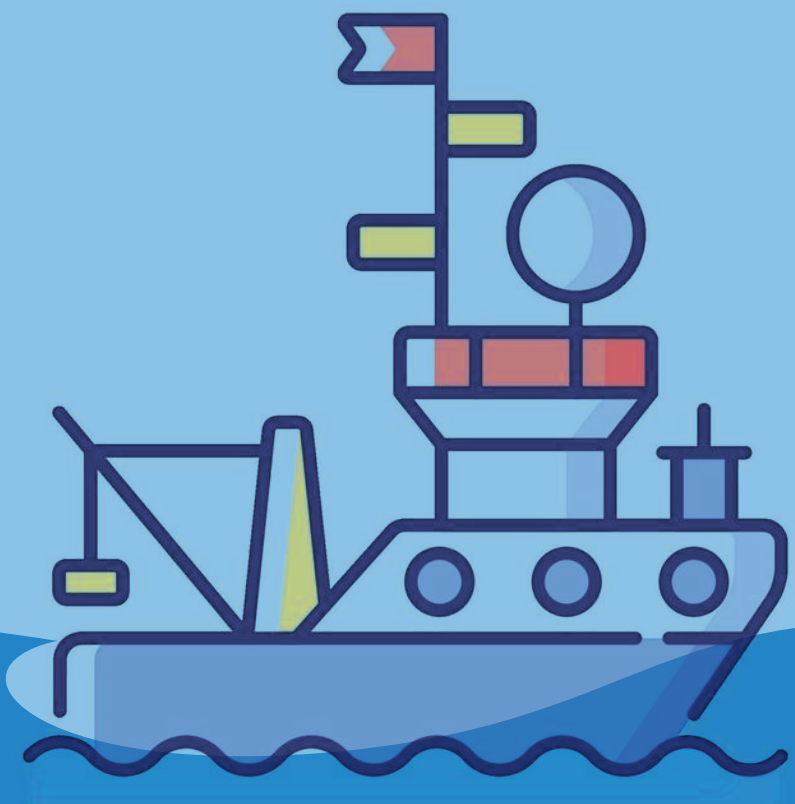




Follow a scientific robot that explores the ocean with the NOAA-PMEL Adopt-a-Float program! A

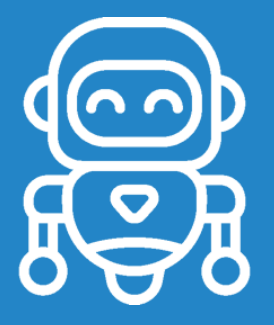
Are you a high school teacher or student in the Puget Sound area?



Do you want to bring oceanography into your classroom?

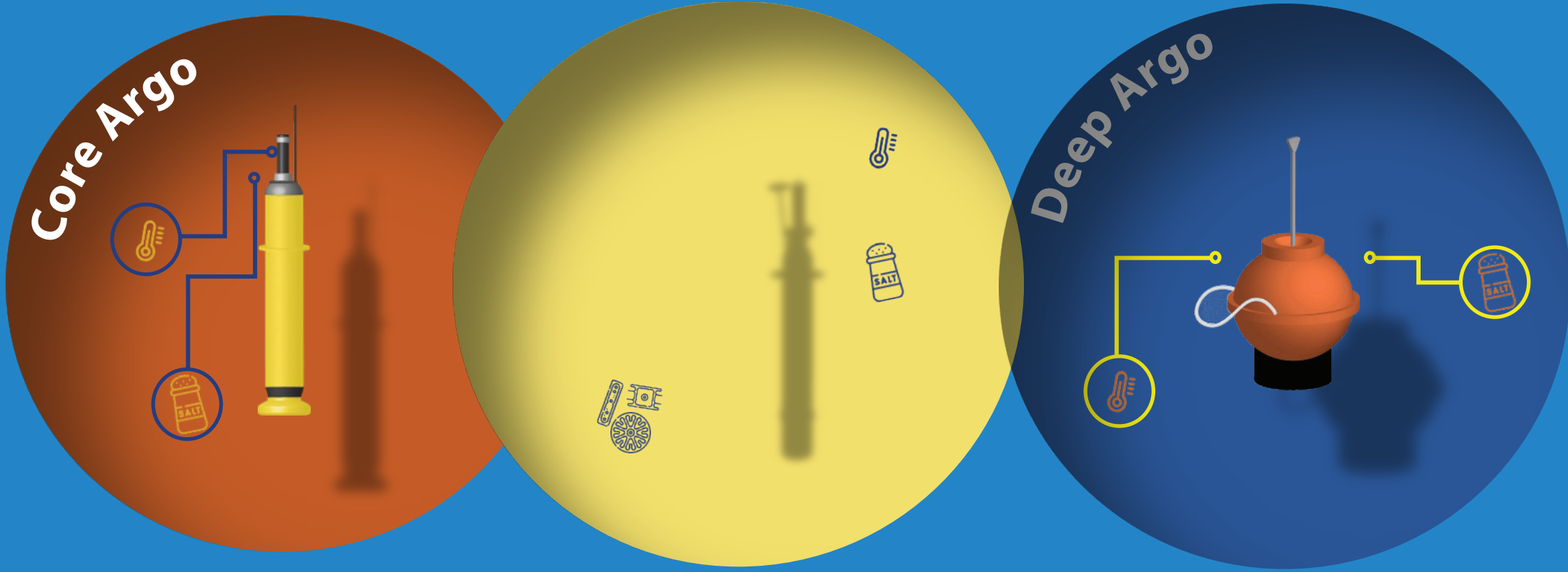


What is a float?



A float is a battery powered **autonomous platform** that **drifts with currents** in the ocean, ascending from the **deep to the surface** every ~10 days.

Floats collect **physical, biological, and chemical** data using a variety of specialized sensors.



Core Argo floats measure **temperature** and **salinity**.

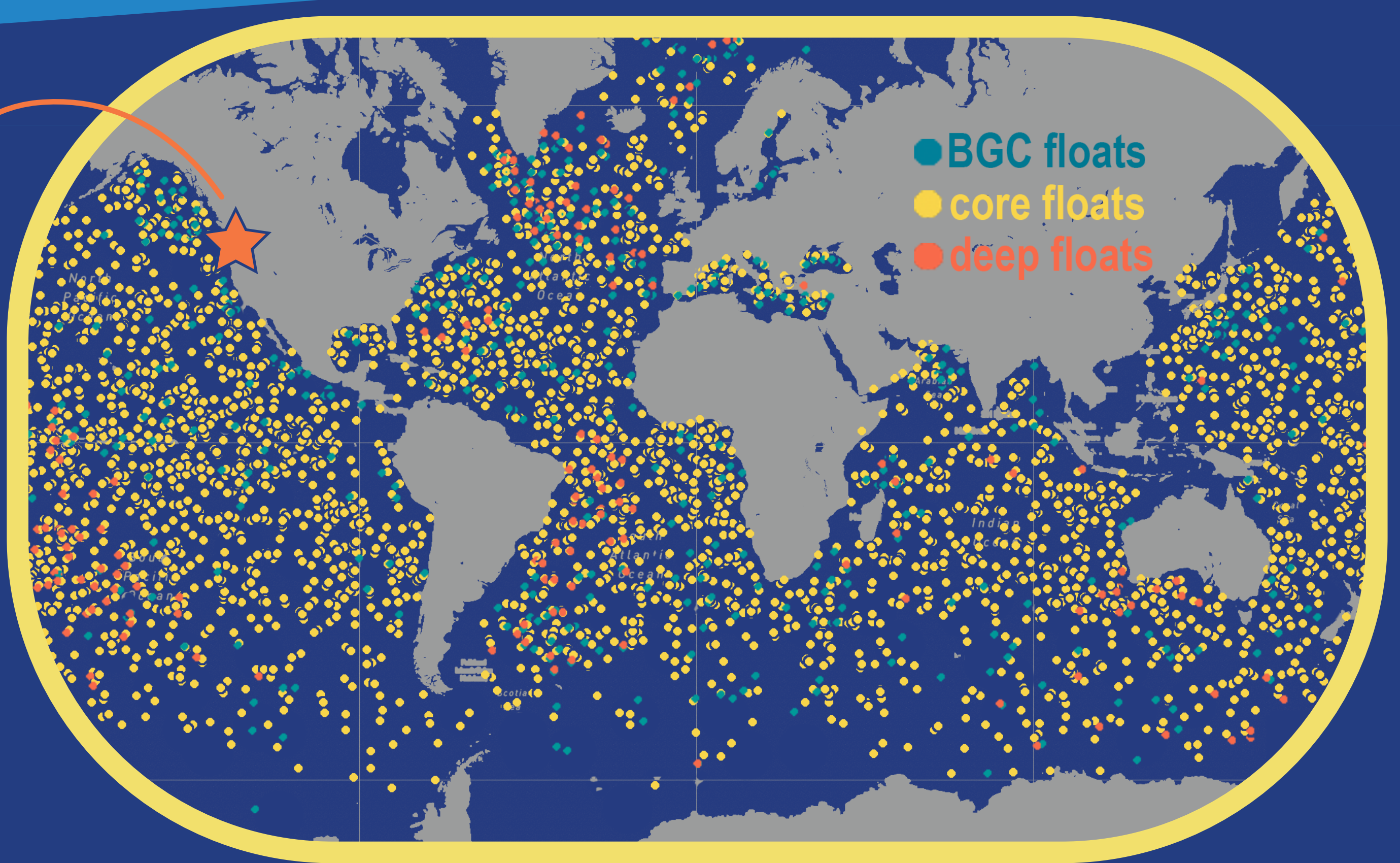
Biogeochemical (BGC) floats additionally measure **phytoplankton, particles, oxygen, nutrients, light, and pH**

Deep Argo floats can dive to **6000 meters** (3.7 miles)!

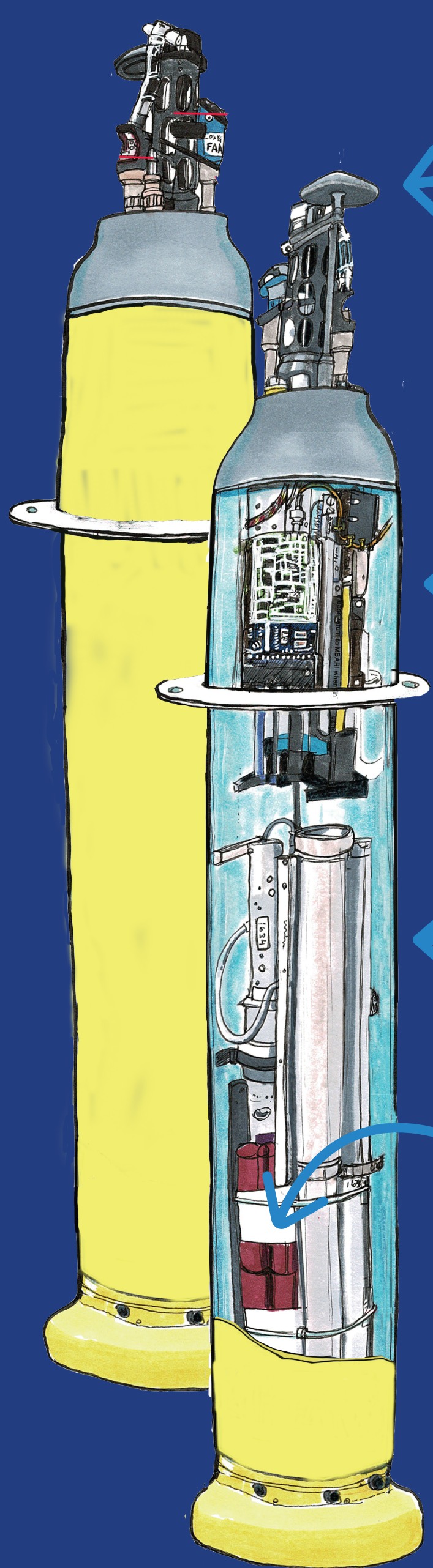


Scientists use floats to understand:

- the ocean's role in **carbon, oxygen, and nutrient cycling**
- how changes to the Earth's climate affect **ocean heat content, sea level, and precipitation patterns**
- how humans are affecting **marine ecosystems and ocean chemistry**.



Argo floats are part of the international **Argo program** that is building a **sustained global network** of physical, chemical, and biological ocean observations.



Antenna

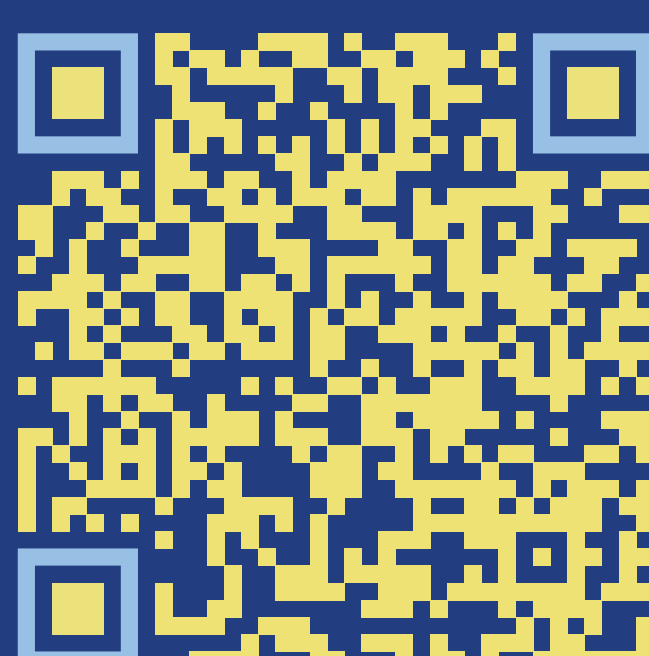
Electronics

Buoyancy pump

Batteries

Bladder

Join us!



Adopt-a-Float is a program where high school classes engage with NOAA scientists to learn more about floats, data collection, and major scientific findings!

adopt.a.float@noaa.gov

