

Frequently Asked Questions

Can I attach the sensor to any type of fishing gear?

We can attach the sensors to longlines, netting, pots, trawling equipment, and more. We have a range of protective housings and brackets to simplify sensor mounting.

What data are collected?

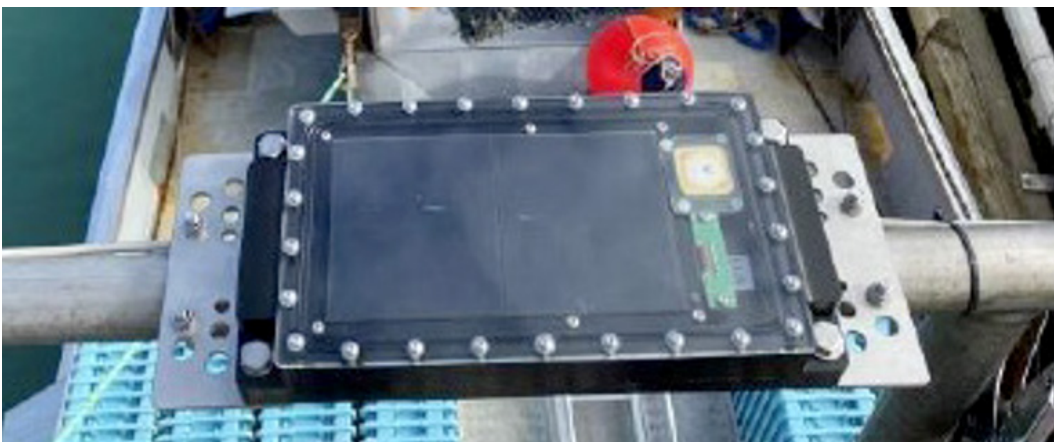
The only information collected and shared will be temperature, depth, time and position at regular intervals during your fishing operations. Detailed vertical temperature profile measuring every 2m depth between the surface and 200m, every 4m between 200m and 1000m on the way up and down, and data every 5 mins while at a constant depth (such as on a pot, or on a line).

What about catch information?

No catch information is collected or shared. This is your private information, and we do not have access to it.

How are the data offloaded?

When the Moana sensor comes out of the water, it automatically offloads its data via Bluetooth to a small, standalone, weather-proof, deck unit. You do not need to do anything during this process. Data are then automatically transferred to our secure, cloud-based servers.



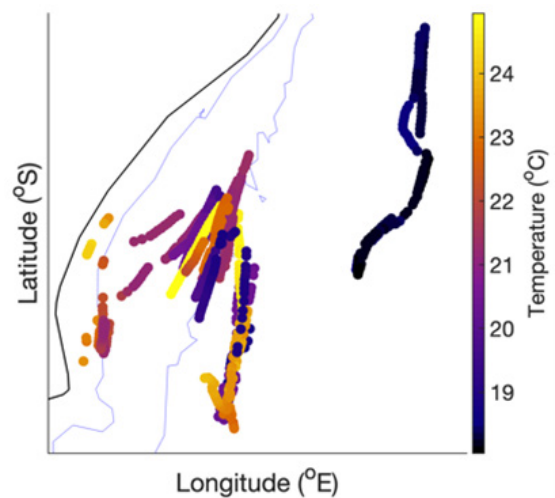
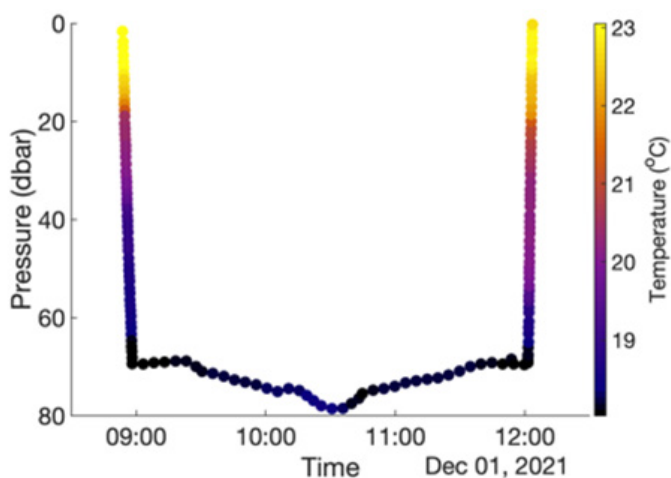
The deck unit

Where are the measurements stored?

Data are anonymised and then sent directly to the global telecommunications system where they can be accessed only by authorised national weather services (e.g. The Bureau of Meteorology). They use the data in their ocean models to improve tomorrow's ocean and atmospheric forecasts.

For example, knowing the temperature of the upper ocean can help us predict cyclone tracks more accurately. Additionally, the temperature data are stored on our UNSW database for processing before being publicly shared anonymously, under the Creative Commons License 4.0 through IMOS on the Australian Ocean Data Network (AODN)

Measurements collected by the sensor are emailed back to the vessel that collected them within one hour of reception as a plot and in spreadsheet format.



Will you send details of my fishing to others?

We will share the temperature, depth, time and position data collected publicly on the AODN under the Creative Commons License 4.0. If you are concerned about your fishing location being shared, please speak with us before installing the sensor and deck unit.

How long will the sensor be on my vessel?

The data pathway is funded by IMOS, but we require industry co-investment to cover equipment purchase and operating costs. Factors such as the number of sensors affect the degree of co-investment required

