ROV Sampling methods
Hellenic Center for Marine Research - ROV team
How do me use a ROV during science missions?

- Remotely Operated Vehicles are mostly used for exploring monitoring and sampling in areas with great scientific interest!
In order to take samples for different purposes, we need to use specific instrumentation attached on our ROV.

Here we see a sampling structure designed and used specially by the MaxRover ROV.
Sediment sampling

Push Corers are plexi glass tubes that we use in order to take undisturbed sediment samples. This gives us the opportunity to study the sea flora of areas with great scientific interest.
ROV Sampling methods

Megafauna sampling

Megafauna sampling can be performed by using the ROV manipulators and special designed instrumentation.
ROV Sampling methods

Water sampling

We can use NISKIN bottles to collect sea water from different depths and micro environments.
By attaching sensors on our ROV, we can collect significant amount of data for most of the sea water parameters.

This data can be transmitted directly to the ROV control room in real time.
THANK YOU
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