

## Argo Floats Video Questions

Friday 20 June

### 1. Building a Deep Argo - an Example of Technological Practice

The Deep Argo is a clever robot designed to do a very special job. On this voyage you are part of the process of evaluating a prototype Deep Argo. This is part of a technology process to produce a fully tested and working Deep Argo robot.

1. What was the **need** for a Deep Argo?
2. What **functional outcomes** were required from the Deep Argo?
3. What four decisions had to be made in the first stages of **planning**?
4. During the **planning**, each stage was broken down into **steps**. Norge's company used a process to help with this planning. What was the name of that process?
5. What sort of **people and skills** are required for the Deep Argo project?
6. On this voyage you are seeing part of the **evaluation stage**. List some of the things the prototype will need to withstand to perform successfully?

Next step learning: Find out about other planning tools, systems and processes (such as Gaant charts) that help with technological practice.

### 2. Prototype Deep Argos

On this voyage you will see two prototype deep argos being deployed. The first deployment went very well. How will this one go? Nathalie talks you through the deployment, and explains the purpose of having two deep argos at this one location.

1. Which part of the deep argo has to be protected during deployment?
2. Where was the engineer who was checking the signals from this deep argo float, and what was he checking for?
3. Once Nathalie new that the Argo was working perfectly what was the command that was sent to it?
4. How long should this test dive take?
5. What were the goals for having two deep argo floats?

Next step learning: Once the first test dives are completed these prototype deep argos will move down to the ocean floor sending data to a satellite and on to Scripps Institute of Technology in California, when they surface. Make a list of **all** the smart technologies you can think of that allow deep argos to do this.