



## **Roatán Project, 3D recreations to study the bottom of the sea**

**LOCATION:** Cordoba

**DURATION:** 1'32"

**SUMMARY:** The University of Cordoba has developed a project that allows creating underwater 3d virtual reconstructions using pictures of the bottom of the sea. These reconstructions can be used to study and acquire deeper knowledge about these natural spaces.

### **VTR:**

Delving into the sea to recreate its bottom in 3D and evaluate its condition. That's the goal of an innovative project developed by the University of Cordoba that aims to facilitate subsequent studies regarding these natural spaces.

**ALBERTO REDONDO**  
**Biologist**

*"Our goal is to create 3D models of sea bottoms using real images that allow us to monitor their deterioration. It can also have applications in the tourism sector or just allow those who don't have the opportunity to be physically there to enjoy those sea bottoms."*

To achieve it, this group of Biology students and the director of the project have dived into one of the world's most important coral reefs, located in Roatán Island, in Honduras.

**Elena Rodríguez**  
**Biologystudent**

*"We take pictures underwater and then we edit them with a software that combines all the common points of these pictures to create a 3D model."*

**ALBERTO REDONDO**  
**Biologist**

*"Basically, we have recreated coral reefs with an incredible diversity of corals and a sunken boat. Wrecks increase the diversity of sea bottoms as they work as artificial reefs."*

In addition, this project will also allow for the evaluation of the damage caused by human activity to these natural spaces.

**ELENA RODRÍGUEZ**  
**Biologystudent**

*"We can see the evolution of these reefs and how pollution and climate change affects them."*

**ALBERTO REDONDO**  
**Biologist**

*"Some of them are already at risk and show deterioration signs. That's why our work is so important."*

Now, thanks to these 3D recreations, it will be easier to study what is hidden at the bottom of the sea.

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