

Coral reefs play a very important role in underwater eco systems.
However, currently, over 60% of all reefs worldwide are already damaged.

We have developed, together with the Leibniz Center for Marine Tropical Ecology, a VR simulation of a coral reef, complete with corals, underwater plants, fish, and other animals.

See <http://cgvr.informatik.uni-bremen.de/teaching/studentprojects/vrcoralreef2/>

The goal of this Virtual Reef is to raise awareness among the general public regarding the problems and perils today's coral reefs are facing.

The next step in our endeavors is to allow for multiple virtual "divers" explore the coral reef together. This can be achieved by multi-user VR, where multiple users must be represented by avatars, such that they can see and interact with each other in the VE.

In addition, it would be nice to visualize the VR coral reef on our large-screen stereo projection wall.