

## Availability to the ocean floor geoscience of the deep-sea videos

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The deep-sea videos are important to assess geological, topographical, temporal variation in deep-sea environments and to understand the diversity of deep-sea organisms and their ecology. For example, video observations are essential to elucidate behavior of deep-sea animals, and the georeferences can be used to construct distribution maps of those organism as shown on the marine biodiversity database of JAMSTEC, Biological information system for marine life (BISMaL).

In Japan Agency for Marine-Earth Science and Technology (JAMSTEC) is holding a vast amount of deep-sea videos taken by manned/unmanned submersibles. The videos are given annotation (ex. living organism, geological phenomena and topographical characteristic) and opened to public via the Internet. We are holding the optimization of quality with the trend and introduce Panorama technique using the deep-sea videos. We are aiming at utility value of the deep-sea videos.

In this presentation, we introduce our works and discuss about availability to the ocean floor geoscience of the deep-sea videos.

Keywords: deep-sea video, research data, utilization promotion