

The Earth Environment and Frontiers

Extreme Environments

Scientists are now using advanced technology to help us to live and work in extreme environments such as the deep sea and outer space. This exhibit zone describes human endeavors in both these formerly inaccessible realms.



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Shinkai 6500

Sunlight penetrates only 200 meters below the surface of the sea. But around 95% of the water in the oceans is deeper than 200 meters. This display features an actual-size model of the Shinkai 6500, the world's deepest manned research submersible, ready for you to climb into the cockpit and take a dive.



LE-7A Engine

The utilization of space has become an essential part of our lives. Weather satellites and broadcasting satellites are delivered to space by rockets. The LE-7A is a high performance engine that obtains thrust by burning mixed gases of liquid hydrogen and liquid oxygen, and is used for the first stage of Japan's main rocket, the H-IIA.



Interviews with researchers

People interviewed (titles omitted)

Asahiko Taira
Jun Hashimoto



Supervisor Takanori Matsui (Chiba Institute of Technology)
Asahiko Taira (Japan Agency for Marine-Earth Science and Technology/JAMSTEC)

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