



Deep Sea Drilling Vessel **Chikyu**



Support Vessel **Yokosuka**



Deep Submergence Vehicle **Shinkai 6500**

Invite you to a lecture

# Toward a Better Understanding of the Ocean and the Earth

Japan and New Zealand are both surrounded by oceans. Both countries promote marine science research and technologies for the sustainable development and conservation of the marine environment. Crucial for both countries is the management and mitigation of marine-related disasters such as ocean trench earthquakes and tsunamis. Following the Tohoku Earthquake and Tsunami in March 2011, JAMSTEC conducted a series of surveys and research on how the disasters impacted on the marine ecosystem and how effective recovery mechanisms worked. JAMSTEC, in collaboration with Tohoku University and the University of Tokyo, have also begun a 10-year project to monitor the marine ecosystem in the Tohoku area to help local fisheries recover from the damage caused by the disaster.

Dr. Shirayama will speak on these studies and will also talk about an expedition to the Japan Trench carried out by the Integrated Ocean Drilling Programme (IODP) in April and May 2013, which obtained core samples from the fault zone where the massive earthquake occurred.



**Dr. Yoshihisa Shirayama**  
Executive Director, JAMSTEC

Dr. Shirayama specialises in marine biology, especially taxonomy and ecology of deep-sea meiobenthos.



**Venue** The Royal Society of New Zealand  
11 Turnbull St, Thorndon, Wellington

**Date:** Tuesday, 19 November 2013  
**Time:** 1.30 - 3.00pm

**Light refreshments will be served following the lecture (3.00 – 3.30pm).**

**RSVP:** [ryu.austin@wl.mofa.go.jp](mailto:ryu.austin@wl.mofa.go.jp)  
by Monday, 11 November 2013



Click on seafloor in the focal area of the Great East Japan Earthquake.  
The photo was taken from Deep Submergence Vehicle *Shinkai 6500*.



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Embassy of Japan in New Zealand



MINISTRY OF BUSINESS,  
INNOVATION & EMPLOYMENT  
HIKINA WHAKATUTUKI

All are welcome.

Photo Credit: JAMSTEC