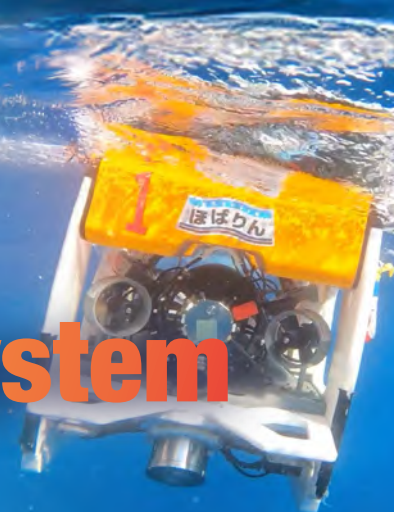


SIP Online Seminar 2025

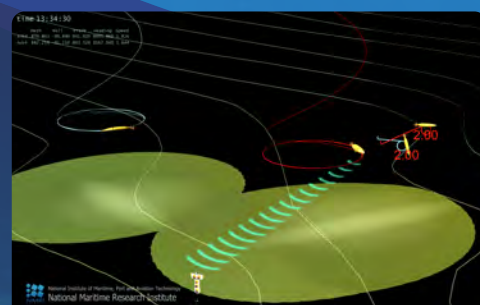
Ocean Monitoring System using the best practical techniques



Since 2018, the Ocean Program, part of the Cross-ministerial Strategic Innovation Promotion Programme (SIP) by the Cabinet Office, has held seminars on marine environmental monitoring.

The SIP Ocean Program has advanced the development of monitoring methods for the sustainable use of marine environments and resources. The first phase of knowledge sharing by the SIP Ocean Program began with Pacific Island Countries, because these countries face similar challenges to conserving the marine environment while benefiting from ocean resources, same as Japan's situation.

The on-demand video seminar series, launched in 2020, aims to share knowledge on advanced marine monitoring technologies for observing the state of the marine environment and biodiversity. We anticipate this seminar will support the sustainable use of marine resources in the future.



This video seminar on marine environmental issues and monitoring technology is open to anyone who has interest in the marine subjects. The seminar will be available on demand via the internet. You can access the seminar website at any time between 1 and 10 December 2025. Please join the SIP Video Seminar.

Date

1 – 10 December 2025 open on the website

Register Here

Contact Information



<https://forms.gle/h9szDLvVhKbB4jpX7>

sip3-seminar@n-hort.co.jp

Your questions will be accepted
by e-mail until December 18, 2025.

Overview of the 2025 seminar :

The sustainable use of ocean resources for economic growth while conserving the environment, it is necessary to monitor the physicochemical and ecological conditions of marine environments, using best practice techniques. Recent technological advancement drastically changed the monitoring methods, for example, seafloor observation by autonomous underwater vehicles (AUV), DNA collection robot, ecotoxicity monitoring system supported by machine-learning. This year's seminar will introduce the innovative devices and methods advanced by the SIP project.

Speaker and lecture title

Presentation 1



Ocean monitoring system developed by the SIP Ocean Program

YAMAMOTO, Hiroyuki

Affiliation: SIP Ocean Program, Japan Agency for Marine-Earth Science and Technology

Presentation 2



Wide-Area Monitoring System Using Marine Robotics Technology

FUJIWARA, Toshifumi

Affiliation: National Maritime Research Institute, National Institute of Maritime, Port and Aviation Technology

Presentation 3



Automated environmental DNA sampling

FUKUBA, Tatsuhiro

Affiliation: Japan Agency for Marine-Earth Science and Technology

Presentation 4



Advancing the Phyto-Alert System: Onboard Real-Time Monitoring of Phytoplankton Health and Water Quality

KOSHIKAWA, Hiroshi

Affiliation: National Institute for Environmental Studies