

CIUOT

ASADA LAB.

[Development of Exploration System for Sea Resources]

Center for Integrated Underwater Observation Technology

Underwater Acoustic Systems Engineering

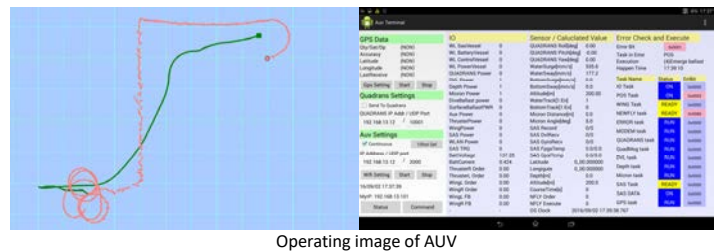
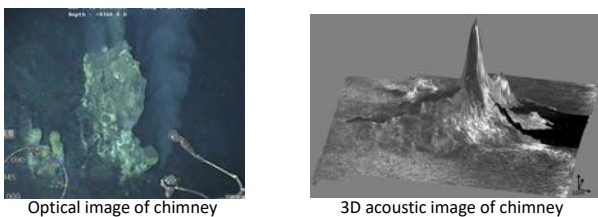
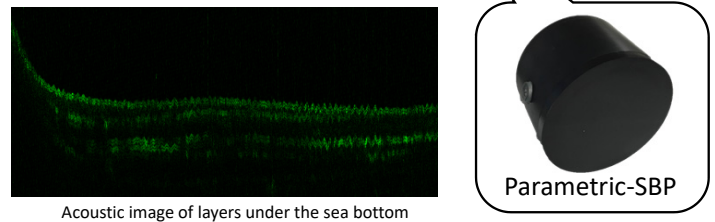
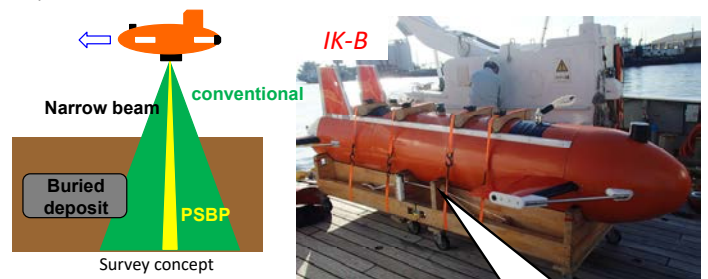
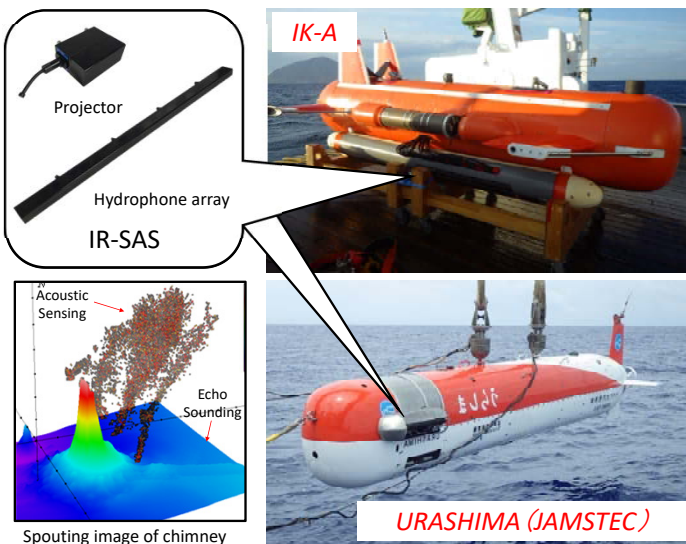
Department of Ocean Technology, Policy, and Environment,

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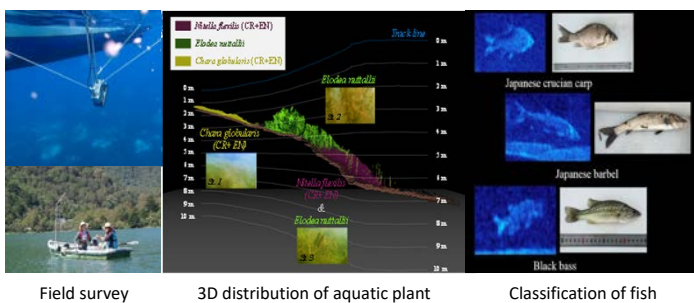
Exploration for Sea-floor Hydrothermal Deposit

We develop new underwater acoustic technologies for exploration of sea resources. The acoustic device (SONAR) is equipped on the autonomous underwater vehicle, and used to get high resolution bathymetric map and detect layers under the sea bottom. This project collaborates with JAMSTEC and NMRI, etc..



Acoustic Monitoring for Underwater Vegetation and Fish

Monitoring for underwater environment using high resolution acoustic video camera.



Acoustic Visualization Under Sea Bottom

Nondestructive evaluation method in sediment. The environment under water bottom will be revealed by this new acoustic visualization technology.

