



ASADA LAB.

[Advanced Acoustic Sensing for Inside Underwater Object and Sub-bottom Object]

Underwater Technology Collaborative Research Center

<http://unac.iis.u-tokyo.ac.jp>

Underwater Acoustic Systems Engineering

Department of Ocean Technology, Policy, and Environment, Graduate School of Frontier Sciences

Advanced Acoustic Sensing for Inside Underwater Object and Sub-bottom Object

Not only surface, but also inside

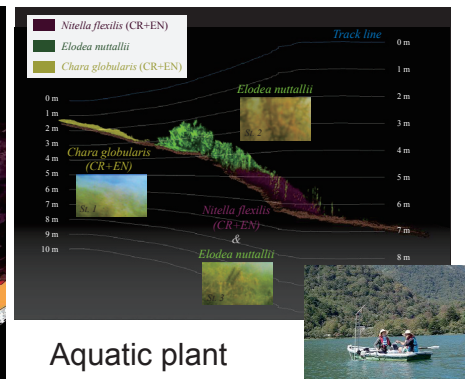
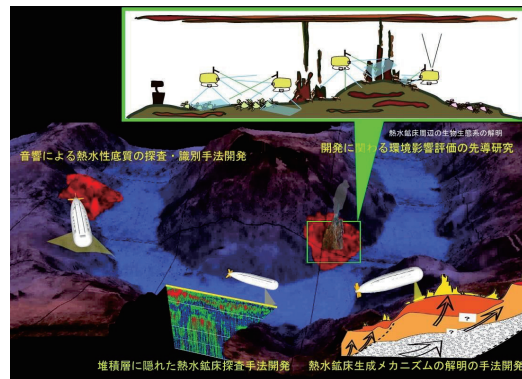
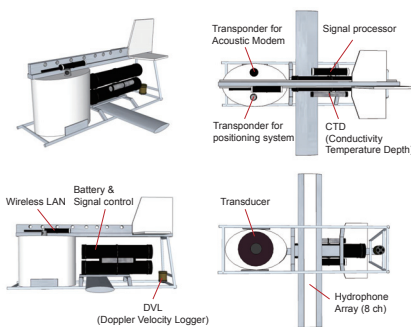
Acoustic wave plays active roles in water. Asada Lab. has been developing a variety of advanced methods for measuring and imaging underwater phenomena with acoustics.

- Sonar systems for seafloor resources
- Shape measurement, classification, internal structure analysis techniques for underwater objects

Sonar system for seafloor resources

Acoustical survey for plants

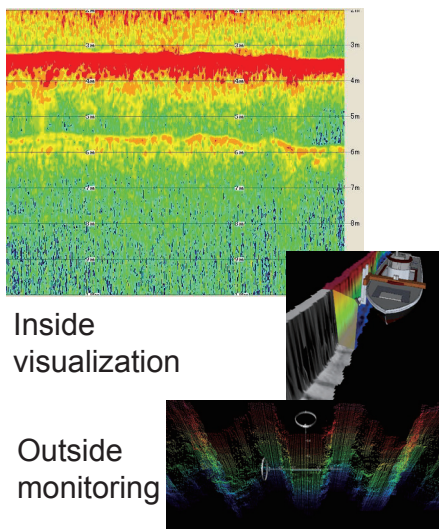
Sub-bottom profiler system



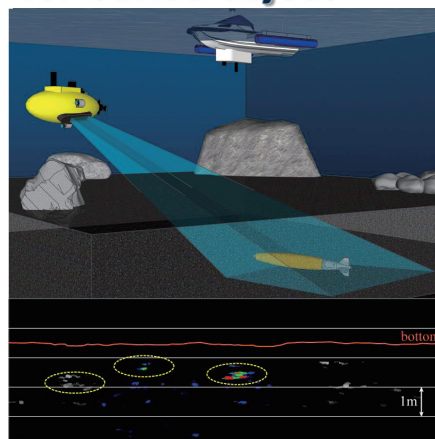
Aquatic plant mapping

Development of sonar system and operation

Ultrasonic inspection for water structure



Acoustic exploration for buried object



Sonar system and sub bottom profiling image

International collaborative research



In India

In Indonesia



Observation in Philippine