

MAKI LAB.

Light for the Sea, Adventures for the Robots!



Center for Integrated Underwater Observation Technology
Food Production Technology Research Center

Underwater Platform Systems

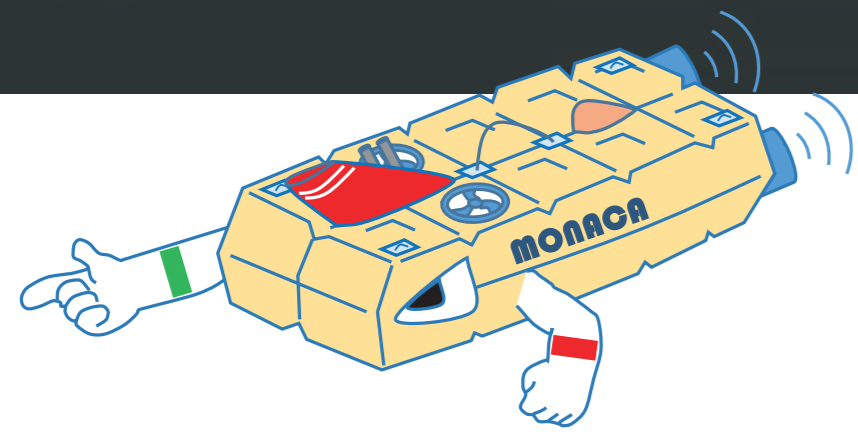
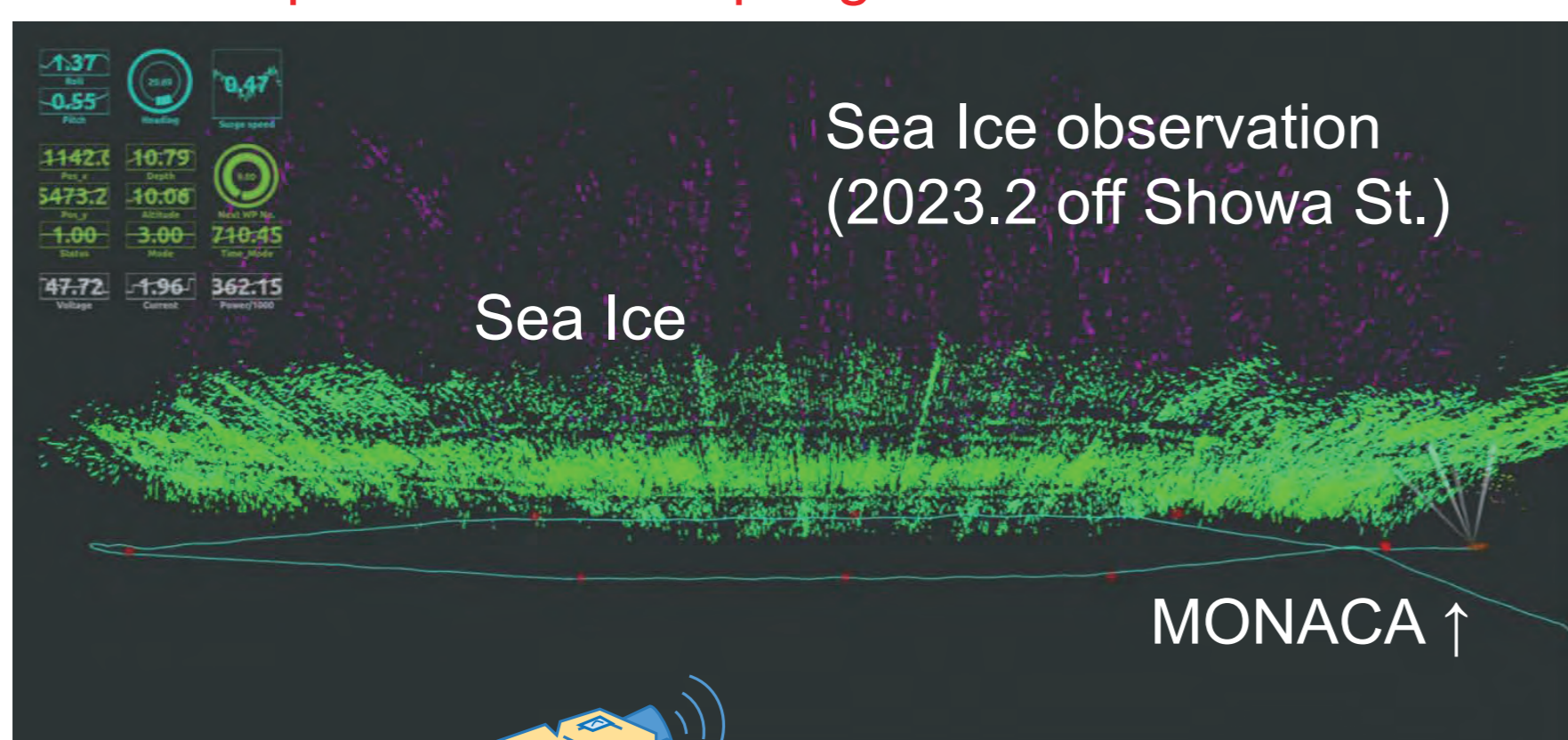
Department of Ocean Technology, Policy and Environment, Graduate School of Frontier Sciences

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

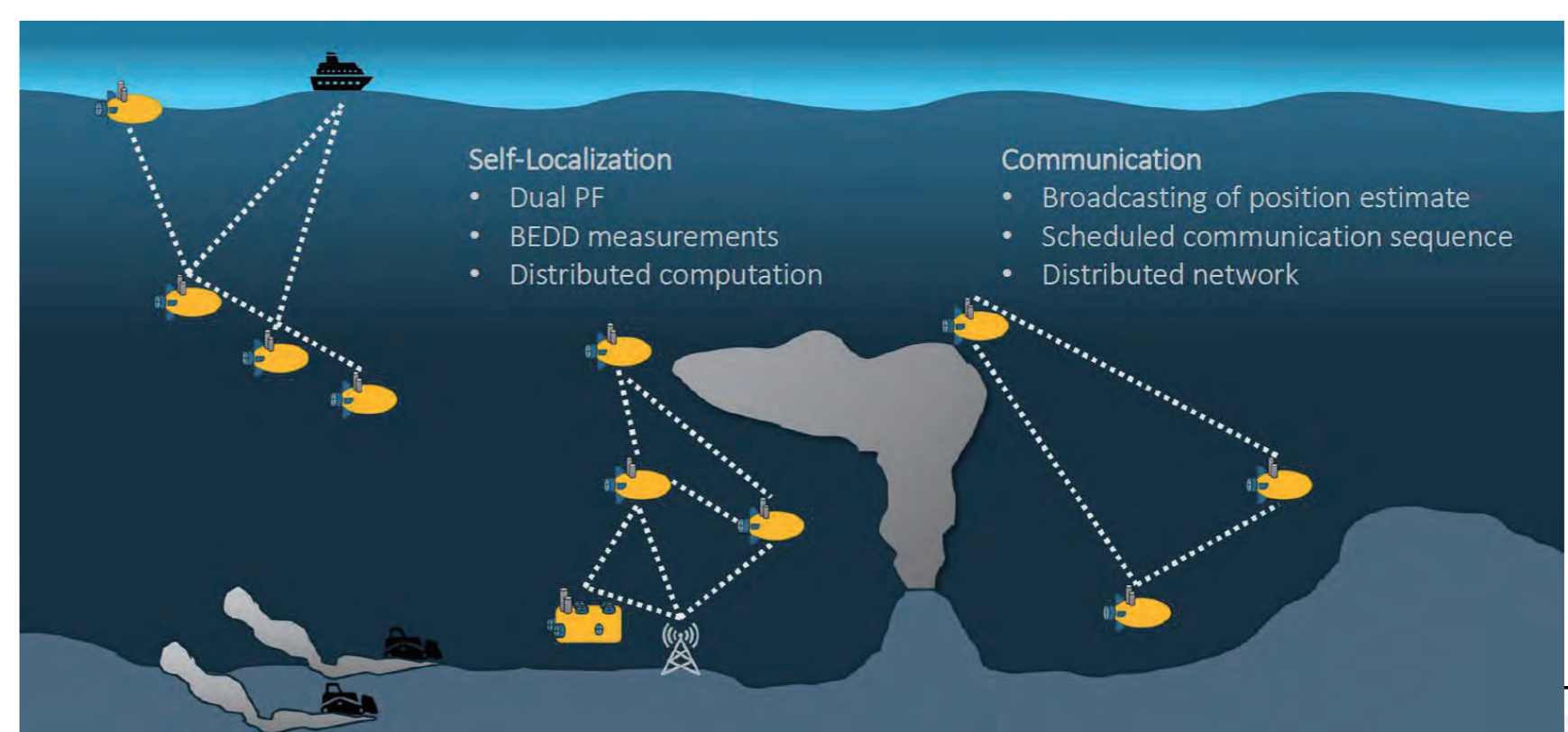
We are developing new systems for underwater observation by means of latest AI & robotics related technologies. These systems will be able to realize wide-area, high-accuracy, and long-term observation through collaboration of multiple autonomous agents, for example, autonomous underwater vehicles (AUVs).

Under-ice Exploration

The first untethered operation in Antarctica was completed in 2025 spring !

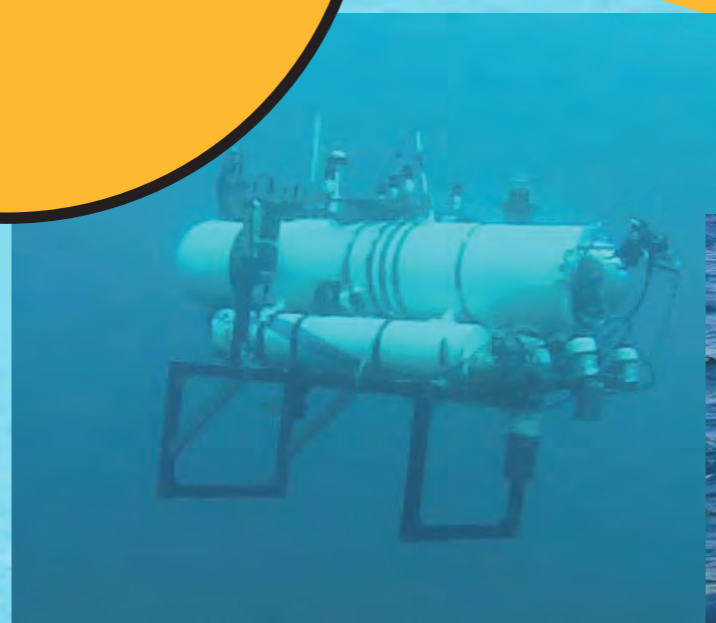


Cooperative AUV operation using acoustic network

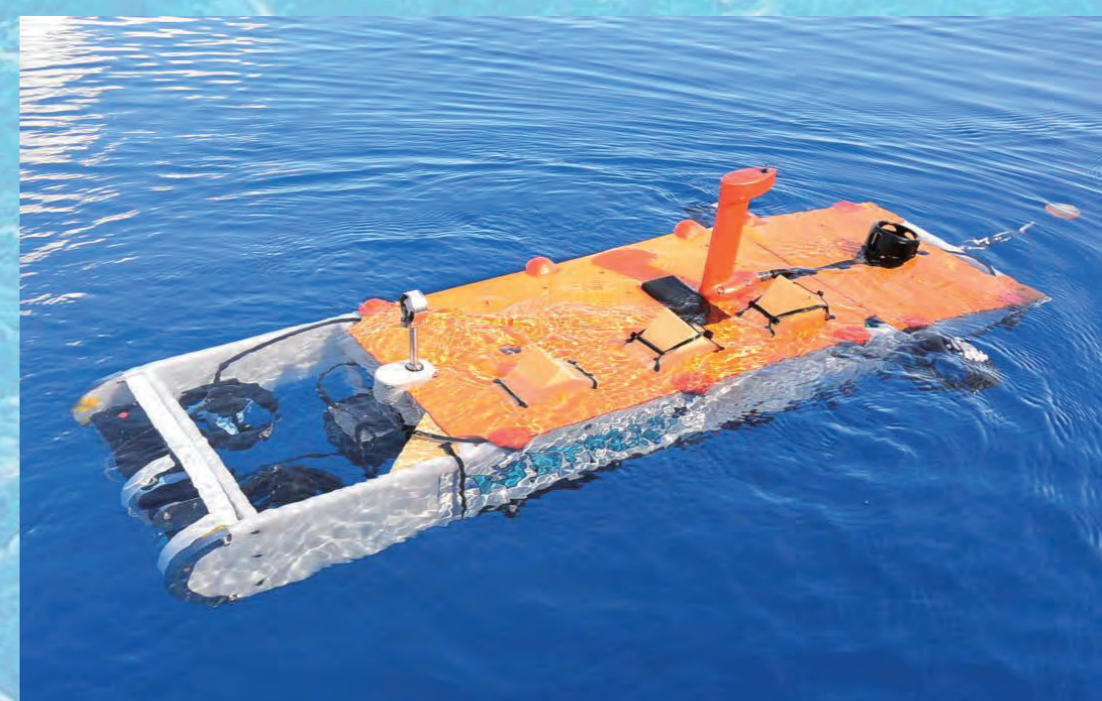
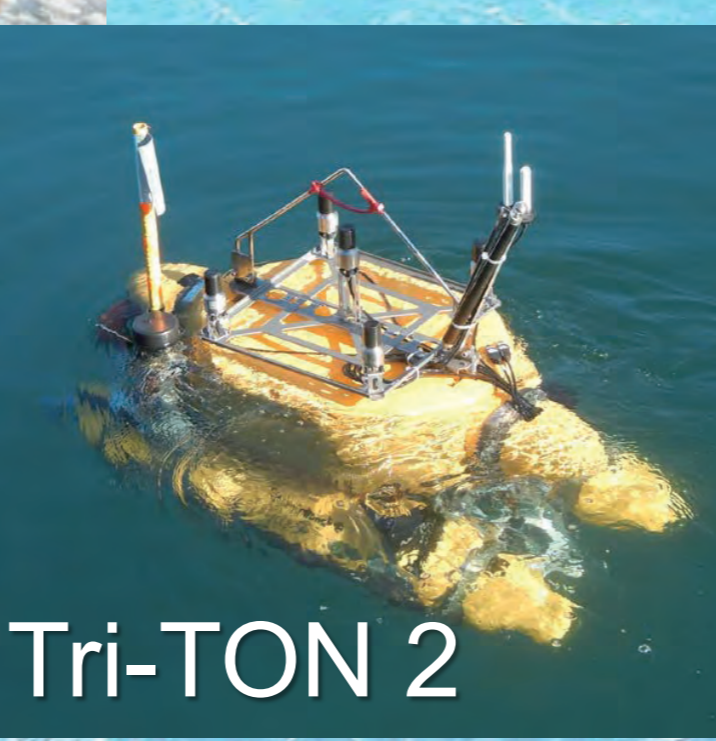
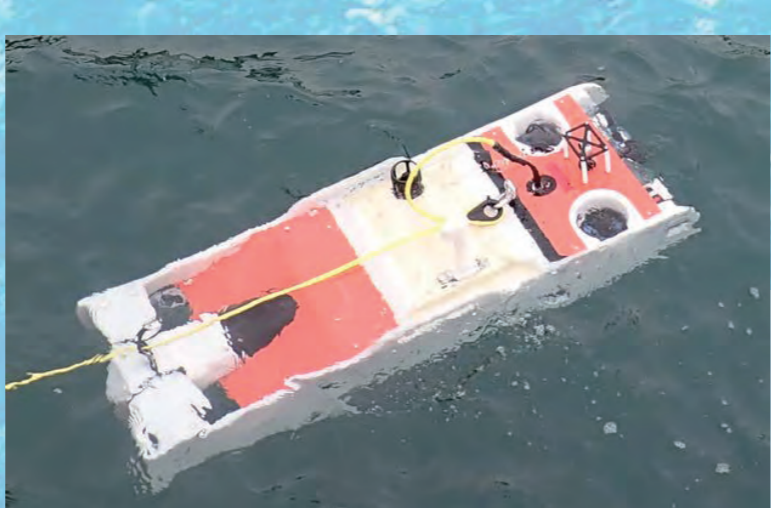
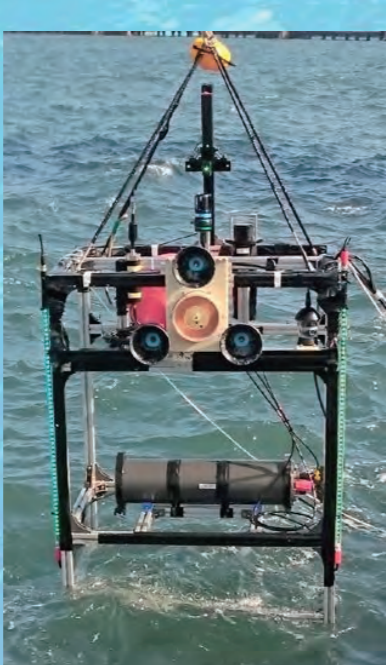


Multi Vehicles

Under Ice

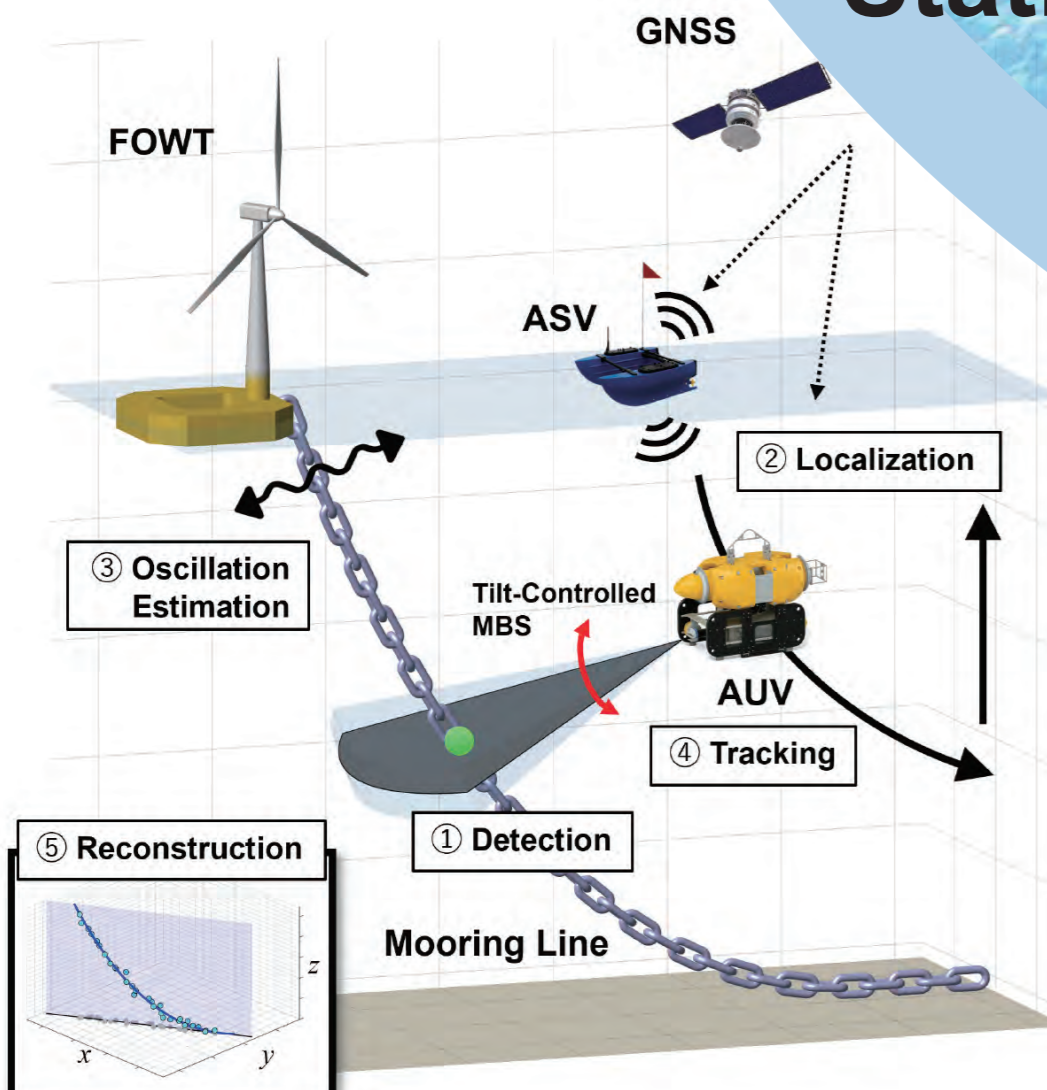


Low-cost AUV



Autonomous tracking of marine life

Infra structure



Biological Observation

