

MAKI LAB.

[Light for the sea, adventures for the robots]

Center for Integrated Underwater Observation Technology

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

Underwater Platform Systems

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

Future platform systems for underwater observation

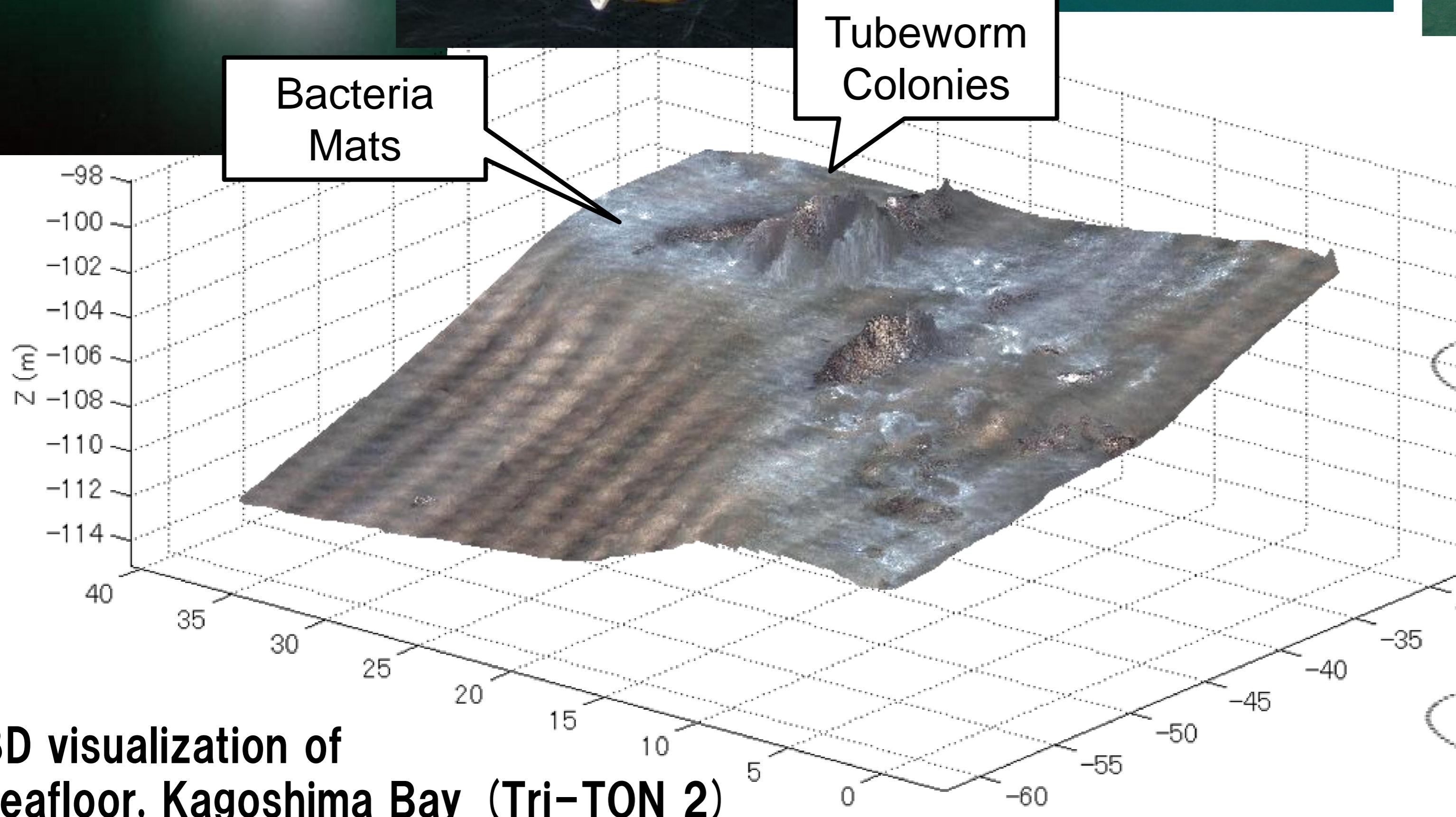
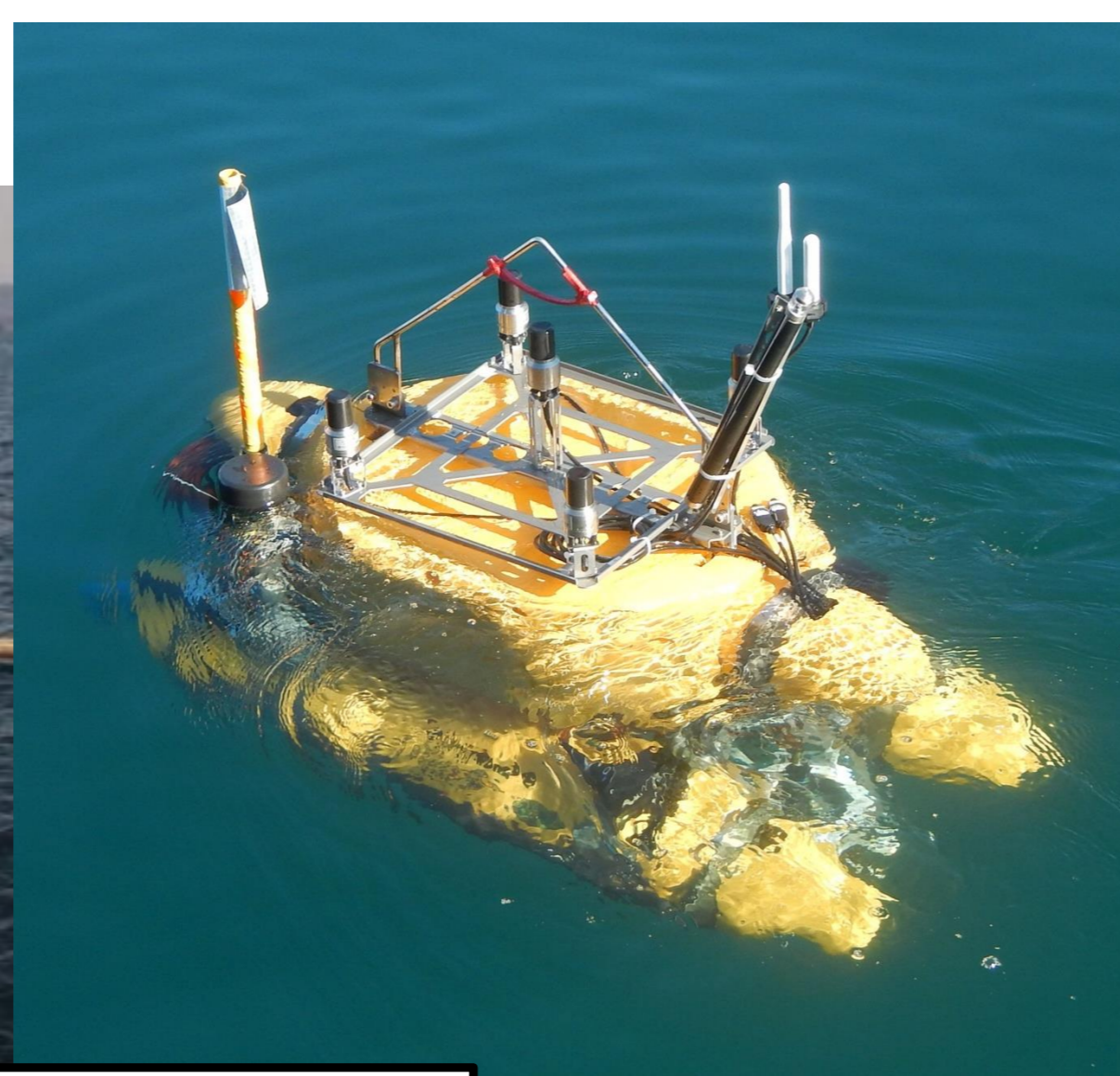
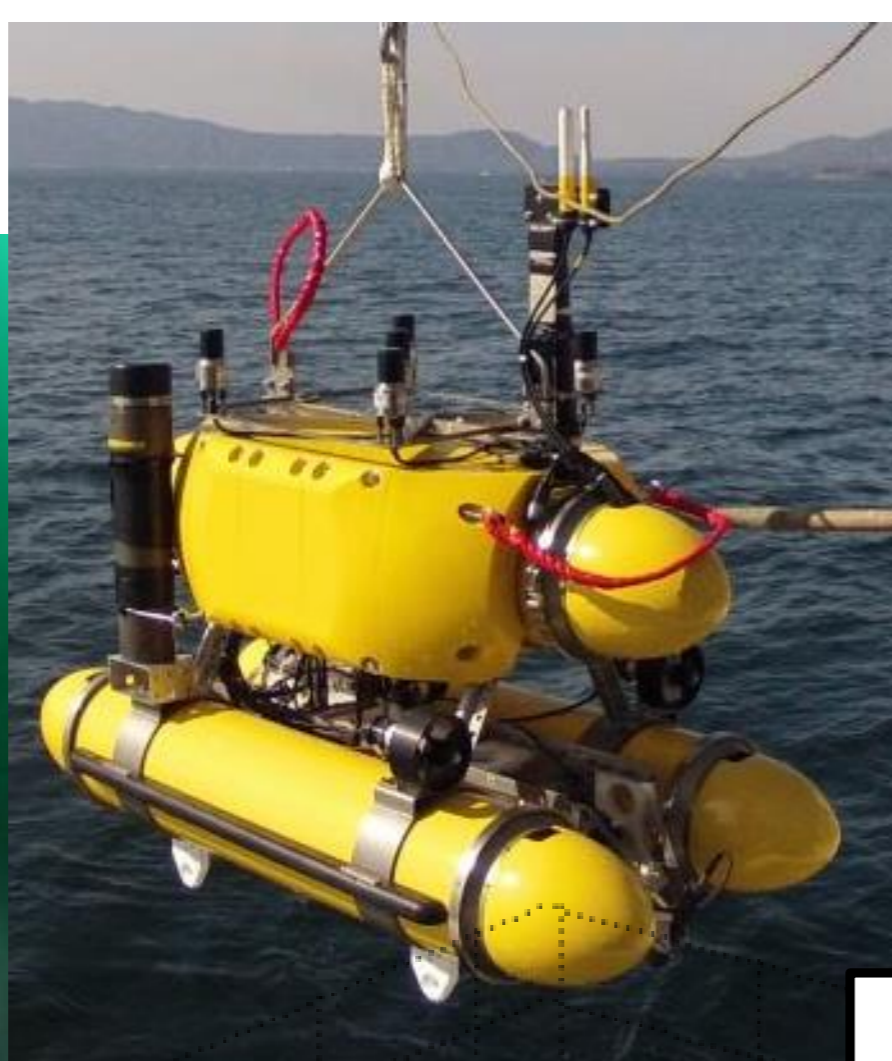
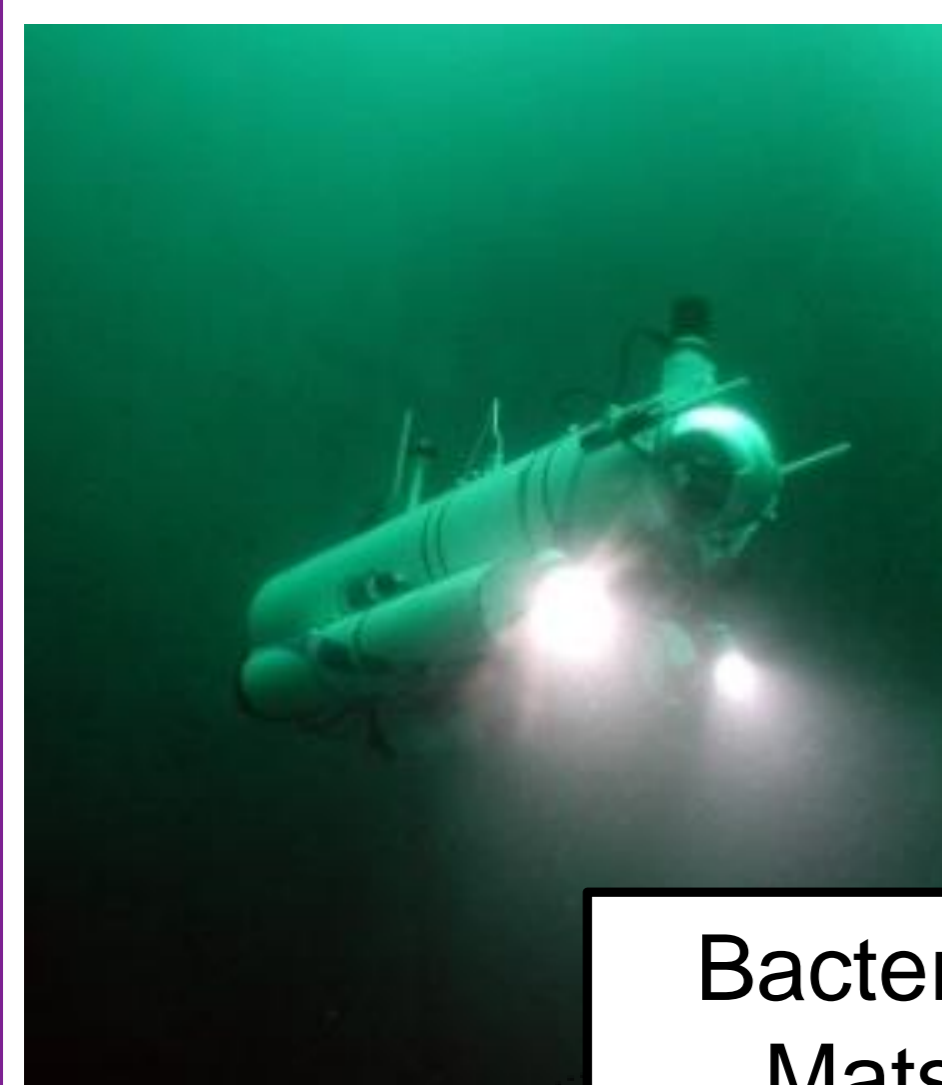
We are developing new systems for underwater observation, by means of latest technologies of robotics and informatics. These systems will realize wide-area, high-accuracy, and long-term observation through collaboration of multiple autonomous agents like autonomous underwater vehicles (AUVs).

AUV Tri-TON 2

Seafloor Stations

AUV Tri-Dog 1

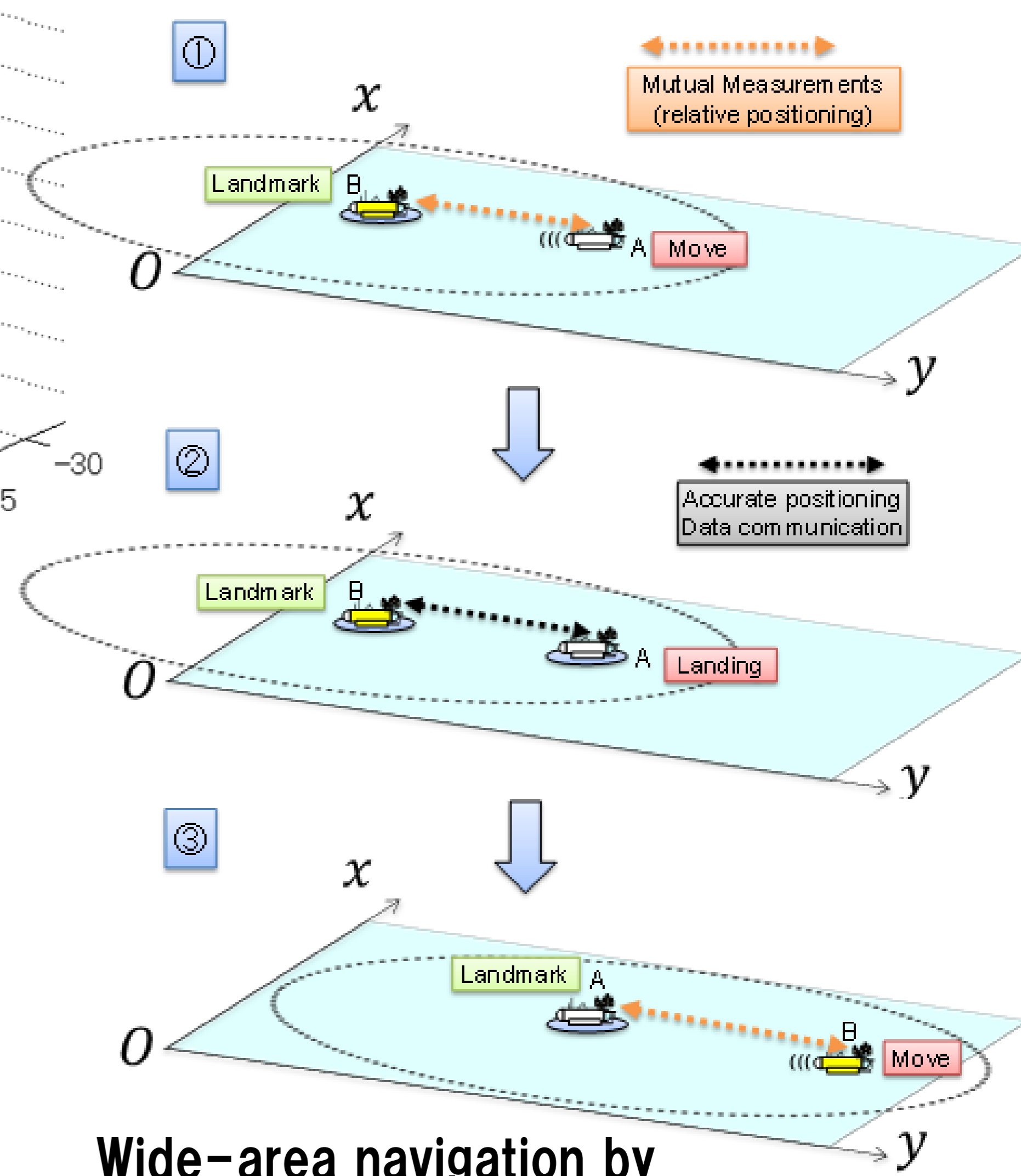
AUV Tri-TON



3D visualization of seafloor, Kagoshima Bay (Tri-TON 2)

Type B (Tri-TON 2 docked)

Type C



Wide-area navigation by collaboration of multiple AUVs

Autonomous docking based on acoustic and visual navigation

