## YOKOTA LAB.

## [Underwater Real-time Informatics]



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Underwater Information System

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## Underwater Information by Marine and Satellite Monitoring

Based on underwater and satellite observation technology, We develop **GNSS-A technology** and contribute to disaster prevention engineering, ocean monitoring, fisheries science and others. Our research aims to create new data and discovery of new usages, especially in real-time.

In cooperation with several institutes and researchers, we promote these research topics:

- 1) Seafloor geodesy technology called GNSS-A & ocean application of GNSS
- 2 Earthquake disaster prevention
- 3 Seafloor surveying technology
- 4 Realtime ocean monitoring technology using UAV

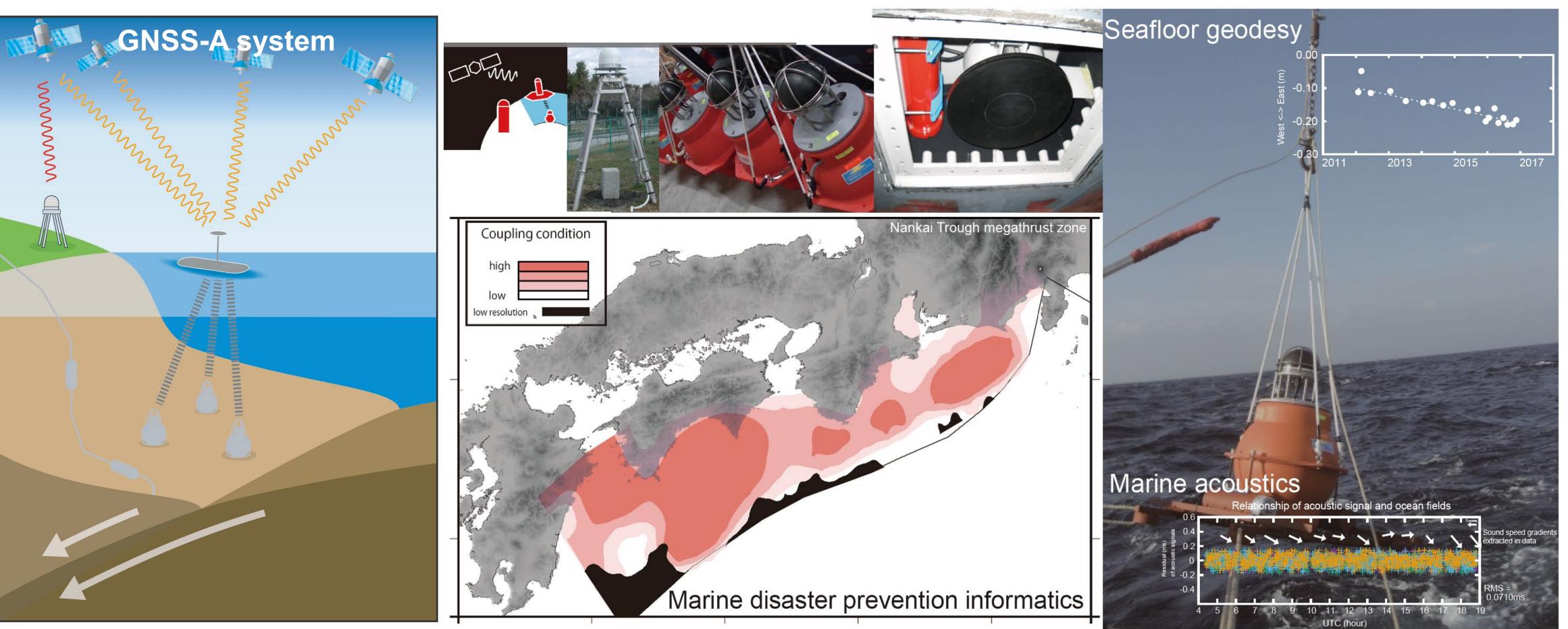


Fig1: GNSS-A system

Fig2: Sensors & coupling condition along the Nankai Trough

Fig3: Installation of GNSS-A transponder



Ocean monitoring UAV

Fig5: Ocean monitoring UAV

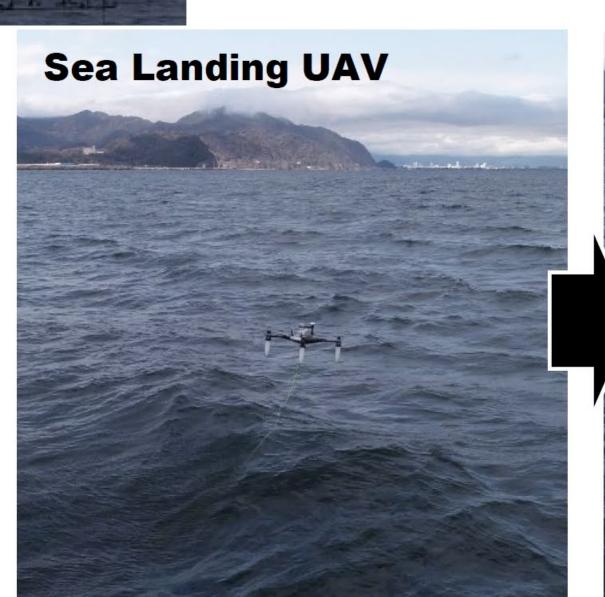


Fig6: Sea landing UAV



Fig4: Experiment of Multibeam-echosounder