

# Food Production Technology Research Center

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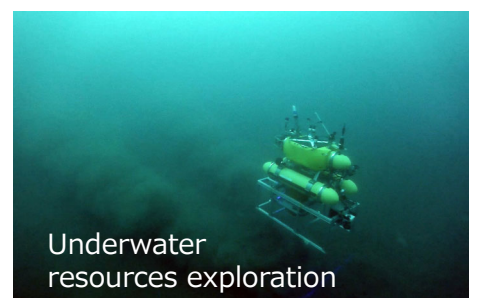
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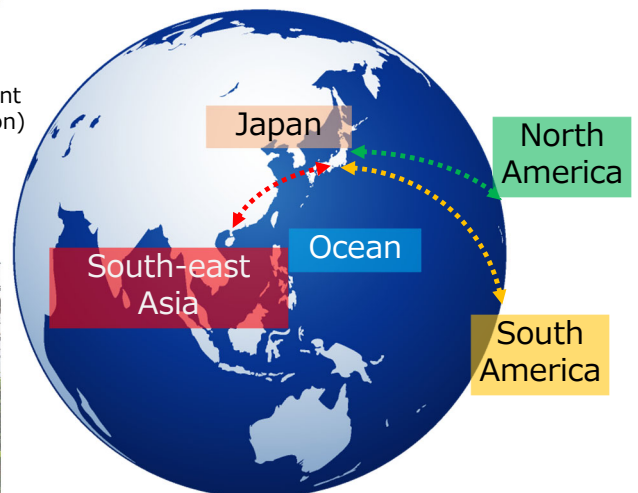
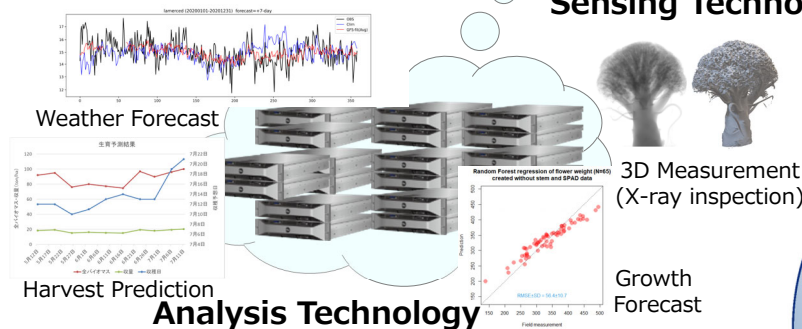
## ■ Background and purpose of establishment

Recent years have seen a surge in extreme weather, leading to global food crises marked by rising prices and reducing stocks, which significantly impact food production. With a growing population in economically static regions, food shortages are inevitable. In Japan, a declining and aging farmer population poses a challenge for sustaining agriculture for future generations, a concern mirrored in the fisheries sector with its continuing drop in output and labor.

We've established the Center to boost food production efficiency in agriculture and fisheries to address these issues. We aim to create a collaborative community involving industry, government, and academia to develop and implement innovative food production technologies, enrich society, and contribute to Japan's regional and industrial revitalization. To achieve these ends, we will employ a suite of advanced technologies, including ICT, drone control, remote sensing, autonomous robots, image sensing, and water cycle modeling.



## Sensing Technology



## Global Development



## Cultivation Technology