R&D phase | Research **Expected Commercialization** | FY30-

Mehr Licht!
More Photonics for Intelligence

#E07

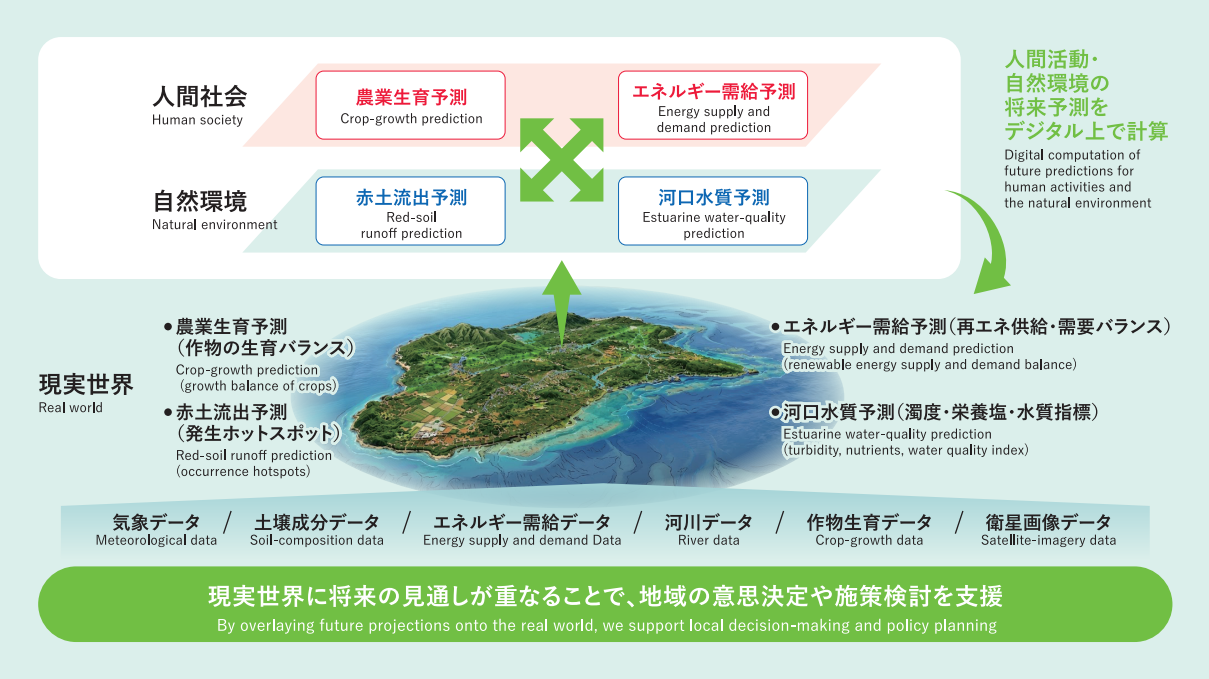
#Regional Revitalization#Climate Adaptation#Nature Positive

Predict Future of Self-Reliant Islands

Using island data, we forecast impact of food and energy solutions

Technical Challenges & Goals

Our technology combines models of agriculture, energy and the natural environment, capturing each island's unique characteristics and interactions across sectors. By predicting the effects of proposed measures on the region as a whole, it supports businesses and local governments in decision-making and policy planning.



Key Technologies

Core Technologies

・Models reflect local soil and hydrology
・Linked models predict outcomes for the whole region

Key Differentiators

・Predicts how farming changes shape of entire region across sectors, beyond single-sector forecasts

Use Cases

Energy

By combining real-world conditions reconstructed from measurement, satellite, statistical, and other regional data with future scenarios generated by our forecasting technology, we provide a comprehensive understanding of regional systems.

Exhibitors

NTT Space Environment and Energy Laboratories

CONTACT：Resilient Environmental Adaptation Research Project