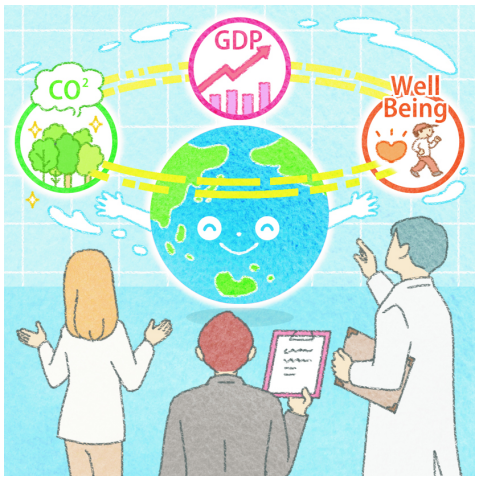
F21

Predict a future in which society will become wealthier by mitigating GHG emissions

Modeling and projecting comprehensive wealth in the Beyond GDP era

IOWN Future

Sustainable Technology to Nurture the Earth

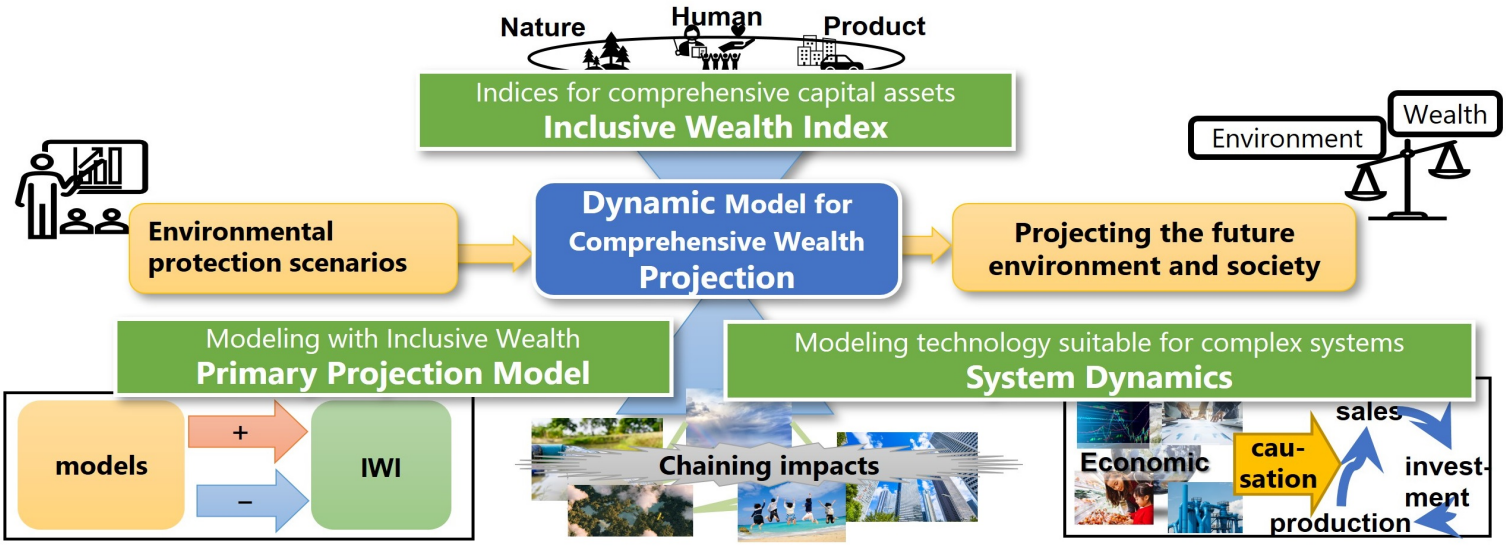


Background

The evaluation of environmental measures requires a direct impact on environmental objectives and a prediction of the impact of measures on social welfare. However, existing prediction indicators (GDP, etc.) remain economic. We need a view of the total wealth of society, including nature and people.

Summary

We examined the basic structure of a social affluence prediction model using the Inclusive Wealth Index (IWI). Using carbon emission mitigation measures as an example, we implement a dynamic prediction model using this structure and evaluate its effecti veness.



Features

- The IWI, which is attracting attention as a new index of affluence, is used to assess the comprehensive affluence of society across nature, people and the economy
- Study the common structure of environmental society using the concept of Inclusive Wealth to assist in the application of richness models to various use cases
- Concept verification by System Dynamics, a technology for relatively simple expression and trend prediction of complex system events

Future_benefits

A sustainable society in which the wealth of society improves while protecting the environment, and the people who live there feel happy in their lives.

Exhibiting Company

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