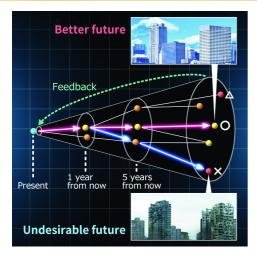
Contribute to the development of management strategies that take ESG issues

Management science and technology on ESG to forecast future impacts

IOWN Future

Sustainable Technology to Nurture the Earth



Background

Uncertainty about the future has increased in recent years due to climate change, increasingly severe disasters, and other factors. As long-term corporate management decisions become difficult to make, companies are required to select strategies for sustainable growth based on ESG perspectives.

Summary

We collect and analyze highly reliable information on politics, economics, society, technology, and the environment, and derive multiple future scenarios. By forecasting the possible impact on each industry, we assist companies in their strategic planning and contribute to better future choices.

1 Information collection, analysis, and future scenario generation (ESG intelligence scientific methodology)

Scenario 1: Decarbonization Success documents Scenario 2: Academic societies Natural language **Economic Priority** processing Scenario 3: Statistical (Deep learning) Economic stagnation data Screening of high-confidence information PEST + E Causal analysis of related events info Visualization of the basis for scenario derivation 2 Forecasting and visualization of future impacts (ESG forecasting methodology)



- Quantification of relevant events in each scenario
- Application of CGE model (Computable General Equilibrium Model)
- Forecasting industry interactions triggered by events

Features of Management science and technology on ESG Assistance in developing future scenarios and formulating management strategies that consider the impacts of climate change and other ESG factors.

forecast

- ✓ Comprehensive scenario generation based on extensive information collection and analysis
- ✓ Quantitative forecasts of the future that also consider the interplay between industries in each scenario

Features

- ESG Intelligence Scientific Methodology: A method that removes human bias from a vast amount of publicly available global information, and utilizes as useful for forecasting
- ESG Future Prediction Methodology: Quantitatively predicts the potential impact of each industry by integrating the complex interactions among factors for each future scenario

Future benefits

By applying this technology to corporate management, we aim to create a world in which companies can make flexible choices to adapt to changes in the environment and society.

Exhibiting Company

NIPPON TELEGRAPH AND TELEPHONE CORPORATION

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