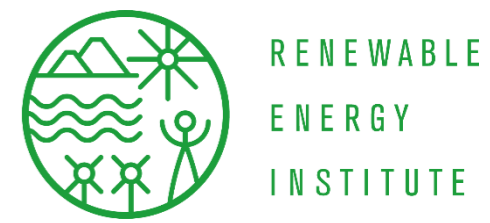


Power Grid Study Group for decarbonization through Renewable Energy



Objective

To propose a power grid and supply-demand structure for an era in which renewable Energy become main sources to energy supply and demand.

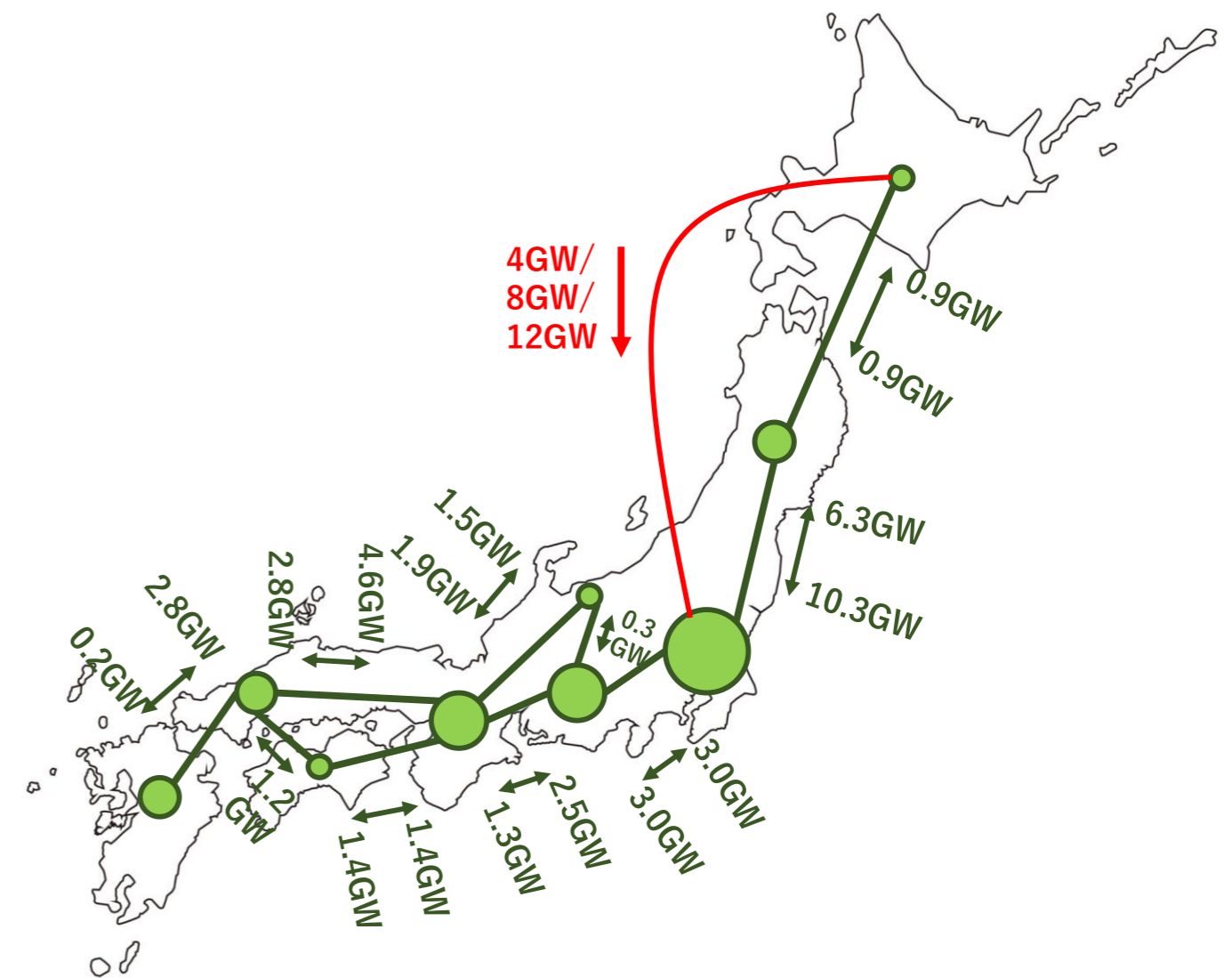
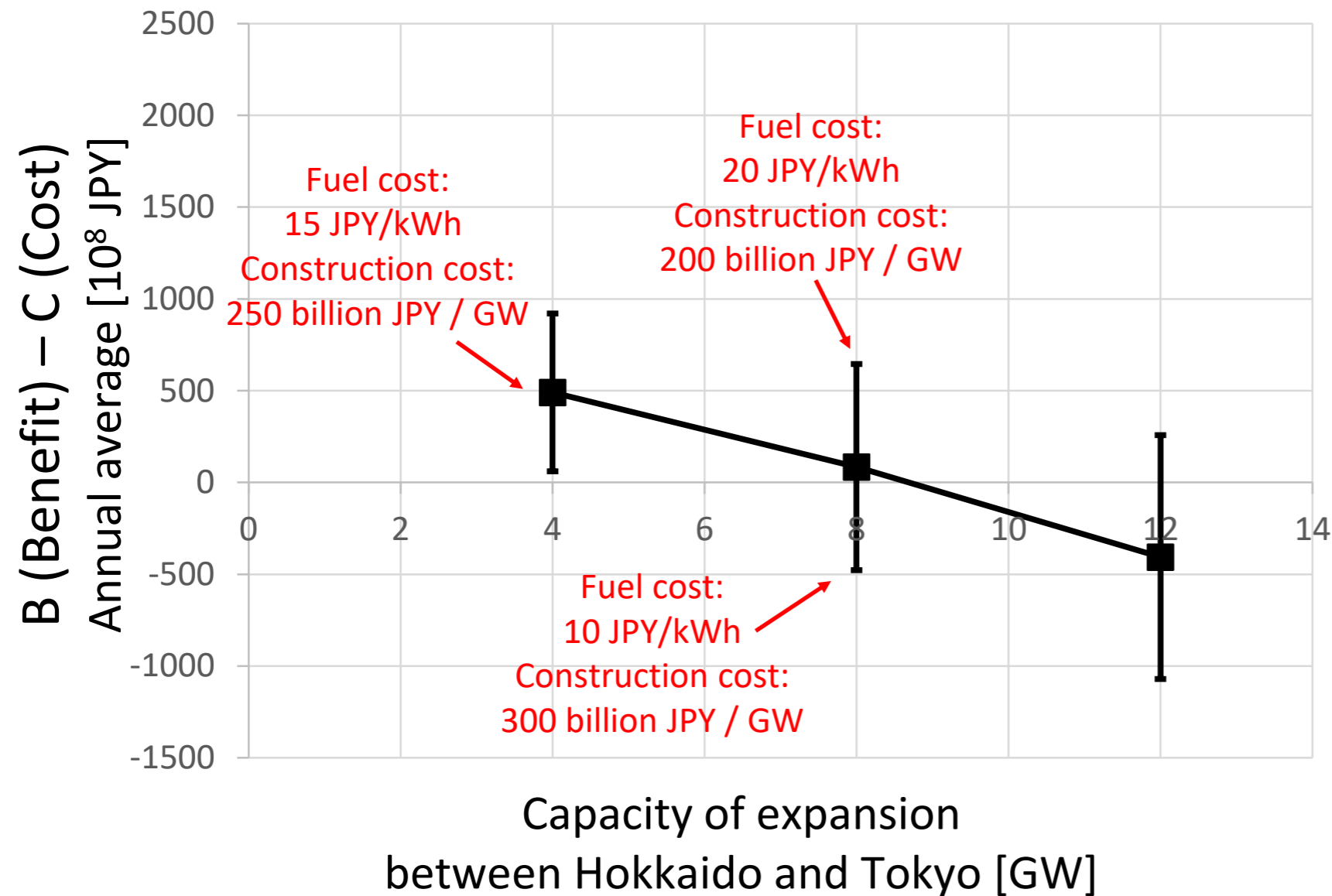
Members

Chair	Hiroshi Takahashi	Professor, Department of Community and Society, Tsuru University
Members	Jin Kato	President, Japan Wind Power Association
	Takeo Kikkawa	Professor, Graduate School of International Management, International University of Japan
	Takao Tsuji	Associate Professor, Faculty of Engineering, Yokohama National University
	Toshihiro Matsumura	Professor, Institute of Social Science, The University of Tokyo
	Tatsuya Wakeyama	Associate Professor, School of Environment and Society, Tokyo Institute of Technology
	Mika Ohbayashi	Director, Renewable Energy Institute
Observer	Hiroshi Okamoto	Vice President, TEPCO Power Grid, Inc.
	Shigeki Miwa	General Manager, CEO Project Office, SoftBank Group Corp.; and Representative Director & CEO, SB Energy Corp.

Simulation of the capacity of transmission line expansion

Inter-regional interconnection between Hokkaido and Tokyo

A parametric study is conducted on the capacity of the interconnection line between Hokkaido and Tokyo with assumptions for the OCCTO basic scenario.



Simulation of "flexible demand" and "storage batteries" installation

Impact of "flexible demand" and "storage batteries"

The time shifts for EV charging, residential heat pump operation, hydrogen production are assumed to be the same as those in the OCCTO Basic Scenario. The installation of "storage batteries" in renewable energy supply areas is also calculated.

