

GJETC as a role model of bilateral cooperation

Breakout session 1A:

1.5/2 degree target and long- term low-carbon global development strategy

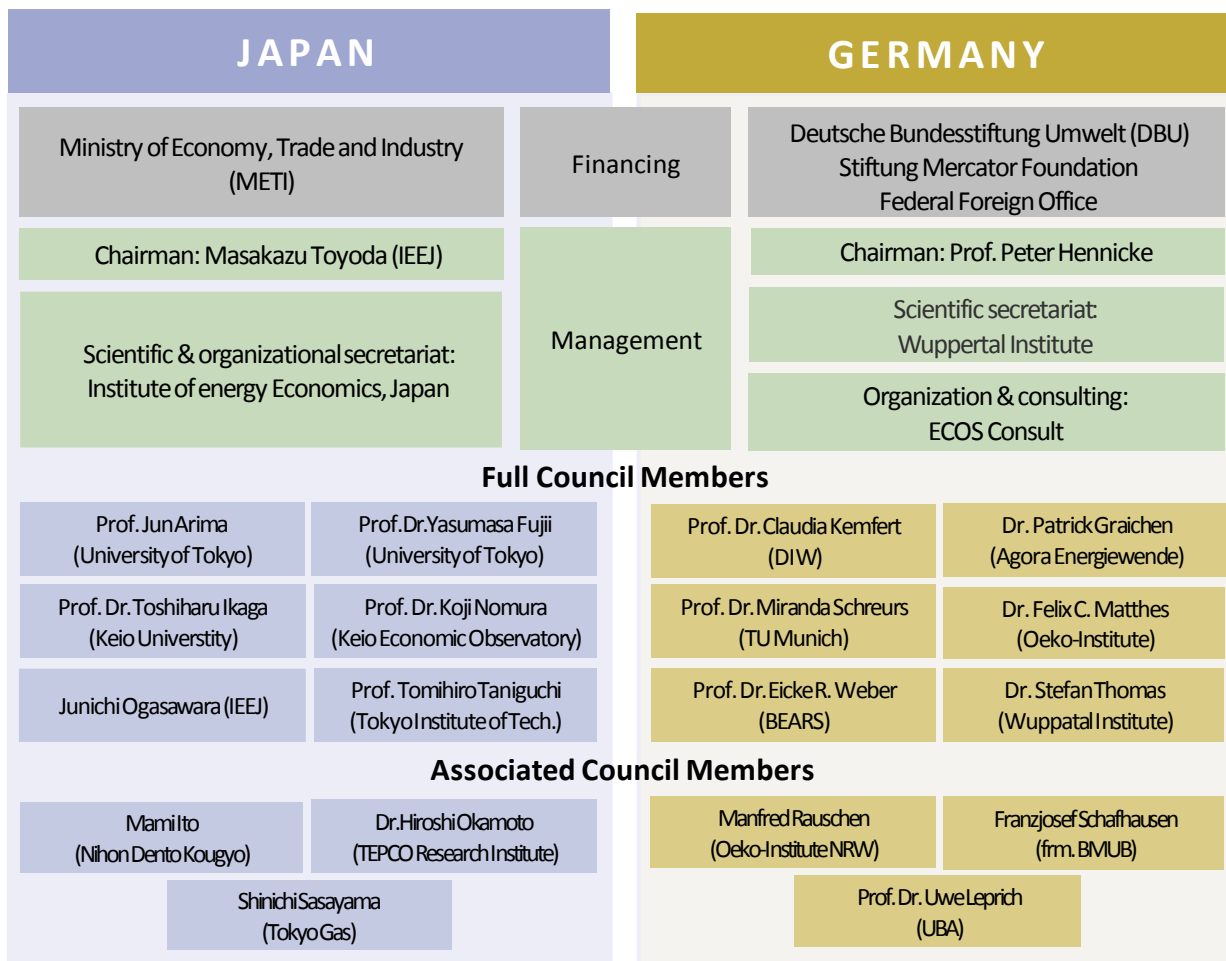
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What is GJETC?

- GJETC (German-Japan Energy Transition Council) is an unique platform to catalyze scientific discussion providing recommendation for stakeholders to accelerate energy transition in respective countries.

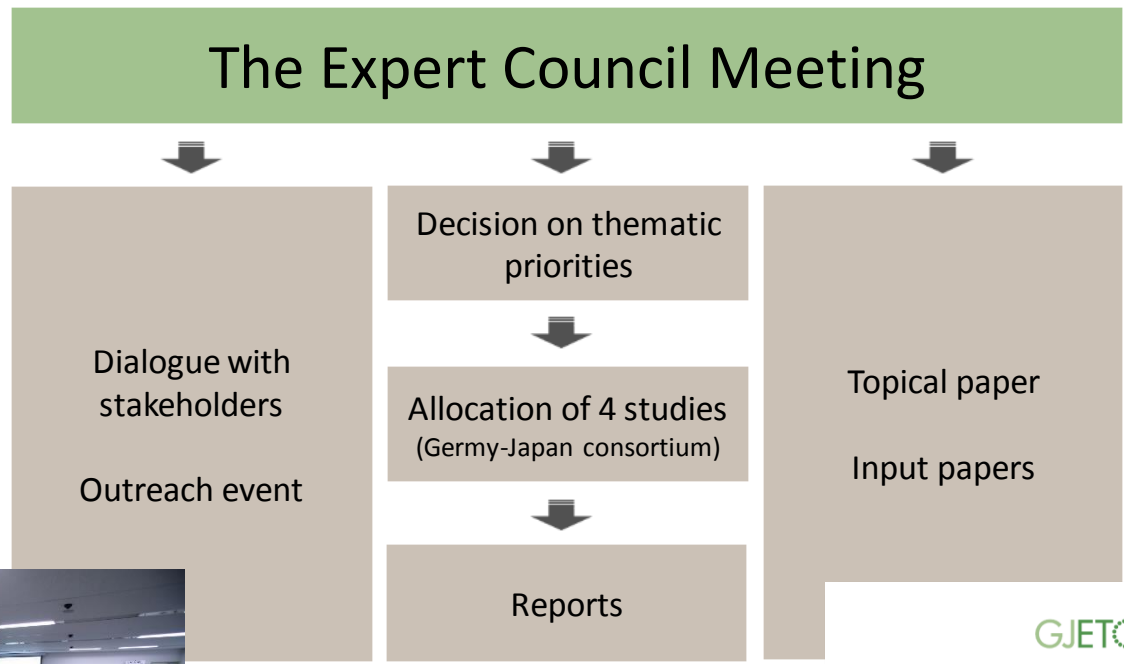


Structure of the GJETC

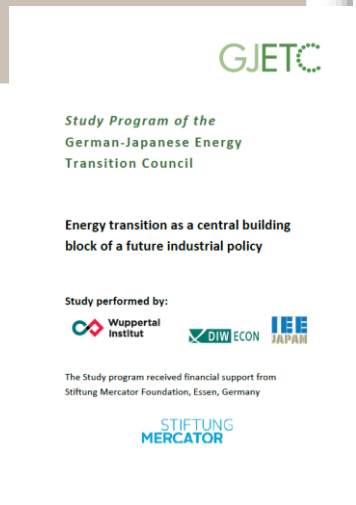
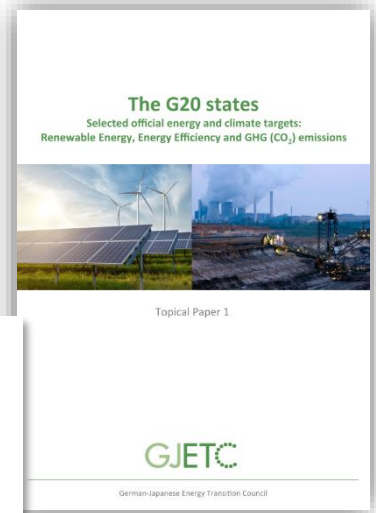
Source: GJETC

How it work?

- Consist of deep scientific studies and diverse communication channels.



Council meeting in Tokyo (top) and stakeholders dialogue in Berlin (right)



Topical paper (top) and study report (left)

Started in September 2016



Inauguration ceremony at the presence of ambassador of Germany to Japan and deputy commissioner of ANRE, METI

Our 2 years record



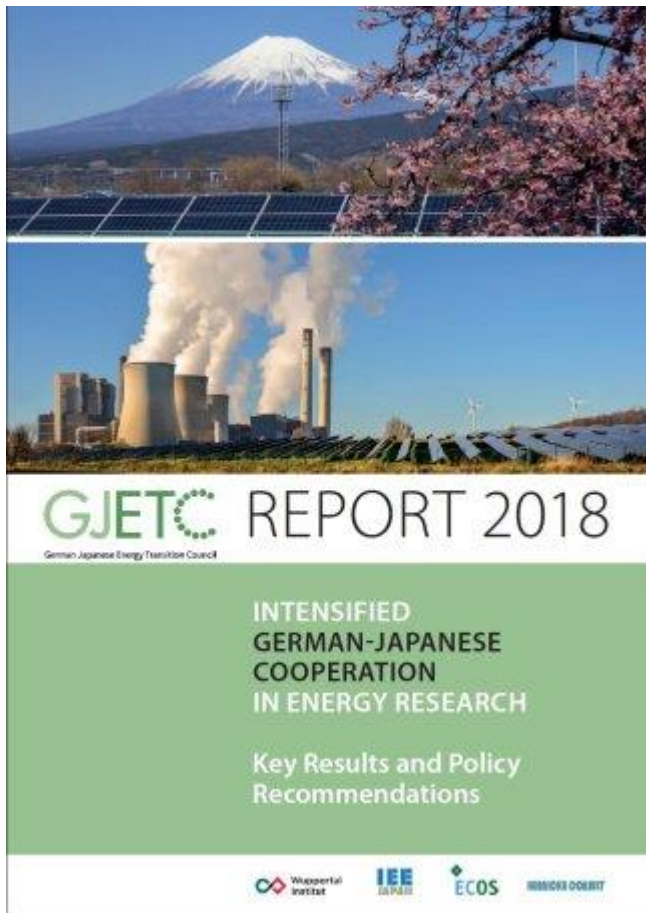
4 thematic studies

Topic	Contractor
ST 1 Energy transition as a central building block of a future industrial policy - Comparison and analysis of <u>long-term energy transition scenarios</u>	Wuppertal Institut (DE) DIW Econ (DE) IEEJ (JP)
ST 2 Strategic framework and <u>socio-cultural aspects</u> of the energy transition	IZES (DE) Arepo Consult (DE) IGES (JP) Nagoya University (JP)
ST 3 New allocation of roles and business segments of established and new participants in the energy sectors currently and within a future <u>electricity market design</u>	IZES (DE) JEPIC (JP)
ST 4 <u>Energy end-use efficiency potentials</u> and policies and the development of energy service markets	Ecofys (DE) IAE (JP)

Input papers

Topic	Author
The costs of integrating variable renewables in a transforming power system	S. Mocker, D. Pescia, P. Graichen (2018)
Study on health co-benefits to promote energy-efficient housing retrofit in Japan	T. Ikaga (2018)
The coupling of energy sectors – a promising strategy to a decarbonized world?	K. Purr, M. Werlein, U. Seel, U. Leprich (2018)
Extensive introduction of intermittent renewables in Japan's power system	Y. Fujii (2018)
Nuclear power in Europe is not competitive nor required	C. Kemfert, C. von Hirschhausen, C. Lorenz, C. Gerbaulet, P. Oei, B. Wealer (2018)
The role of energy efficiency for the energy transition – A brief overview	P. Hennicke, S. Thomas (2017)
Japan's Energy and Climate Quadlemma	J. Arima (2017); Reviewer: F. Schafhausen
Ambitious climate targets – the prerequisite for a successful, future-oriented climate change policy – A Comparison	F. Schafhausen (2017); Reviewer: J. Arima
Comprehensive Energy Security in the Age of Globalization and ICT Revolution	T. Taniguchi (2017)

Our result



Scenes from the outreach event in Berlin in February 2018

Key recommendations

Joint effort to decarbonize the energy system

Thorough analysis and periodical review

Renewable energies and system integration

Energy efficiency governance

Restructuring the electricity and gas sector

Integrate energy and resource efficiency policy

Efficiency and sufficiency

Energy renovation of building

Centralized and decentralized energy system

Robust and accountable target/goal, strategies, and the corresponding policy mix

Continuous evaluation and involvement of all stakeholders

Disseminating low-carbon technologies to other countries

Joint scenario modeling

Bilateral agreement on an educational exchange program

Value of GJETC

Scientifically independent

Controversial topics

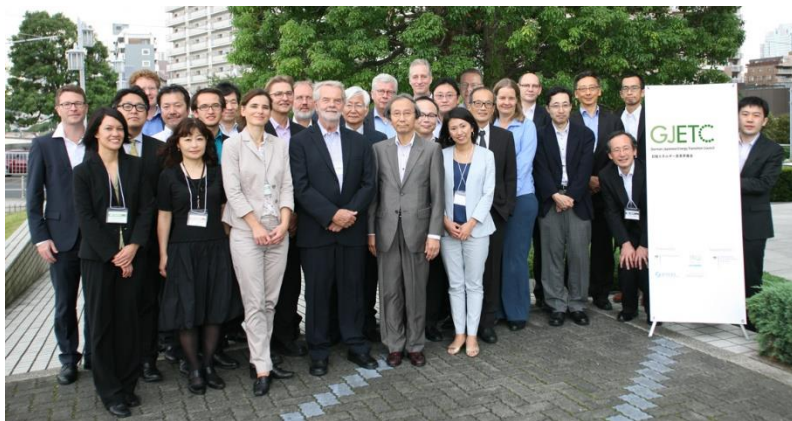
Continuity and depth of
research

Dissemination for better
informed decision-making

Joint development and
deployment of innovations

Deepening of personal
network

GJETC



What next?

- Anticipate continue and extend our beneficial joint activity.

Benefit for Germany and Japan

- Gain useful lessons from the other that enable and even accelerate energy transition in a country.

Benefit for other countries

- Refer GJETC as a role model for their bilateral cooperation.

Please visit;

GJETC <http://www.gjetc.org/>

We provide part of our cutting-edge research results on energy and the environment on our website free of charge.



IEEJ Website

<http://eneken.ieej.or.jp/en>