



German Japanese Energy Transition Council

GJETC Retrospect 2016 – 2022

GJETC at a Glance



A Role Model for International Cooperation on Climate and Environmental Issues since 2016



Council Meeting in Tokyo, 2016

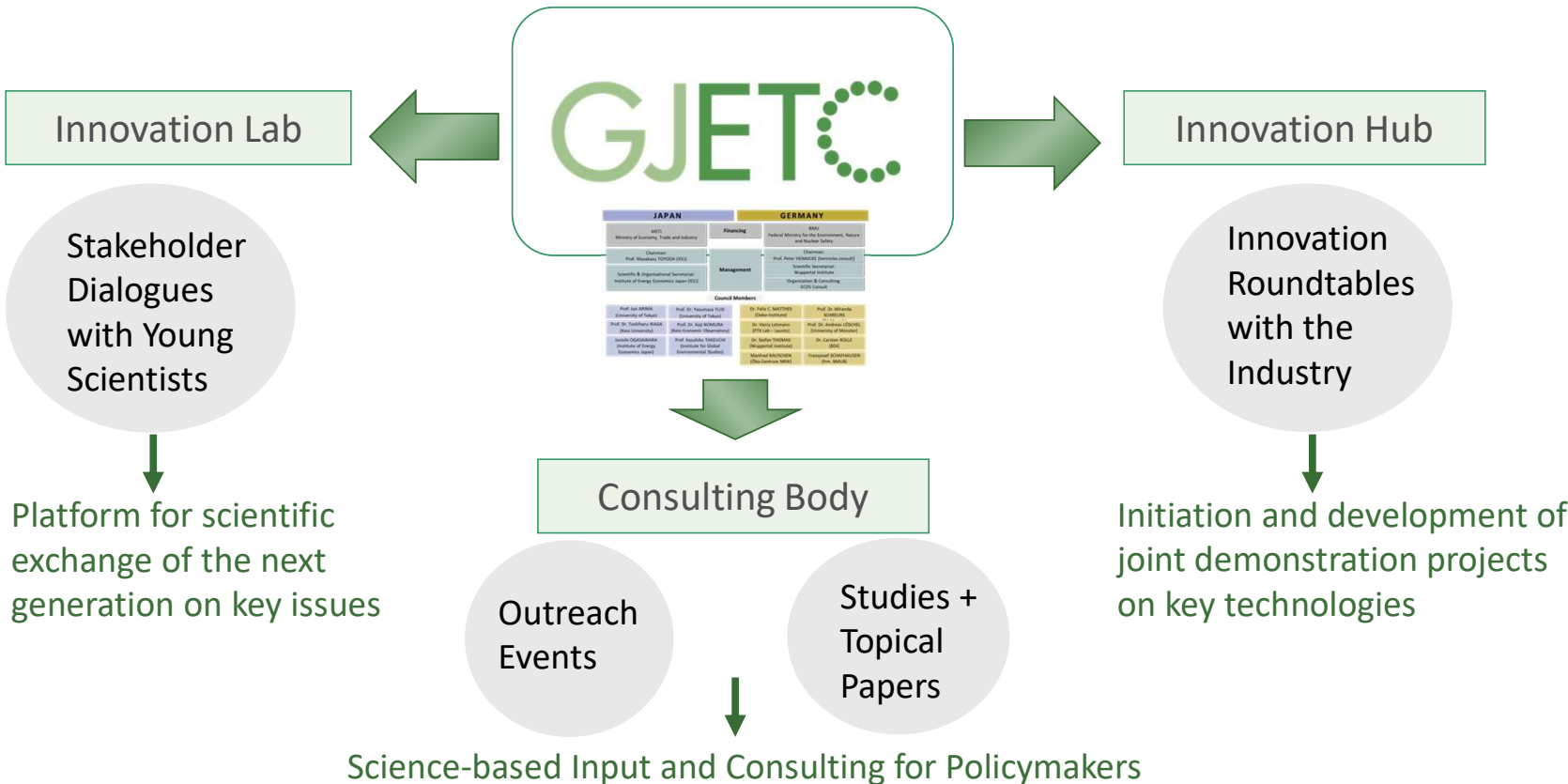


Council Meeting in Tokyo, 2023

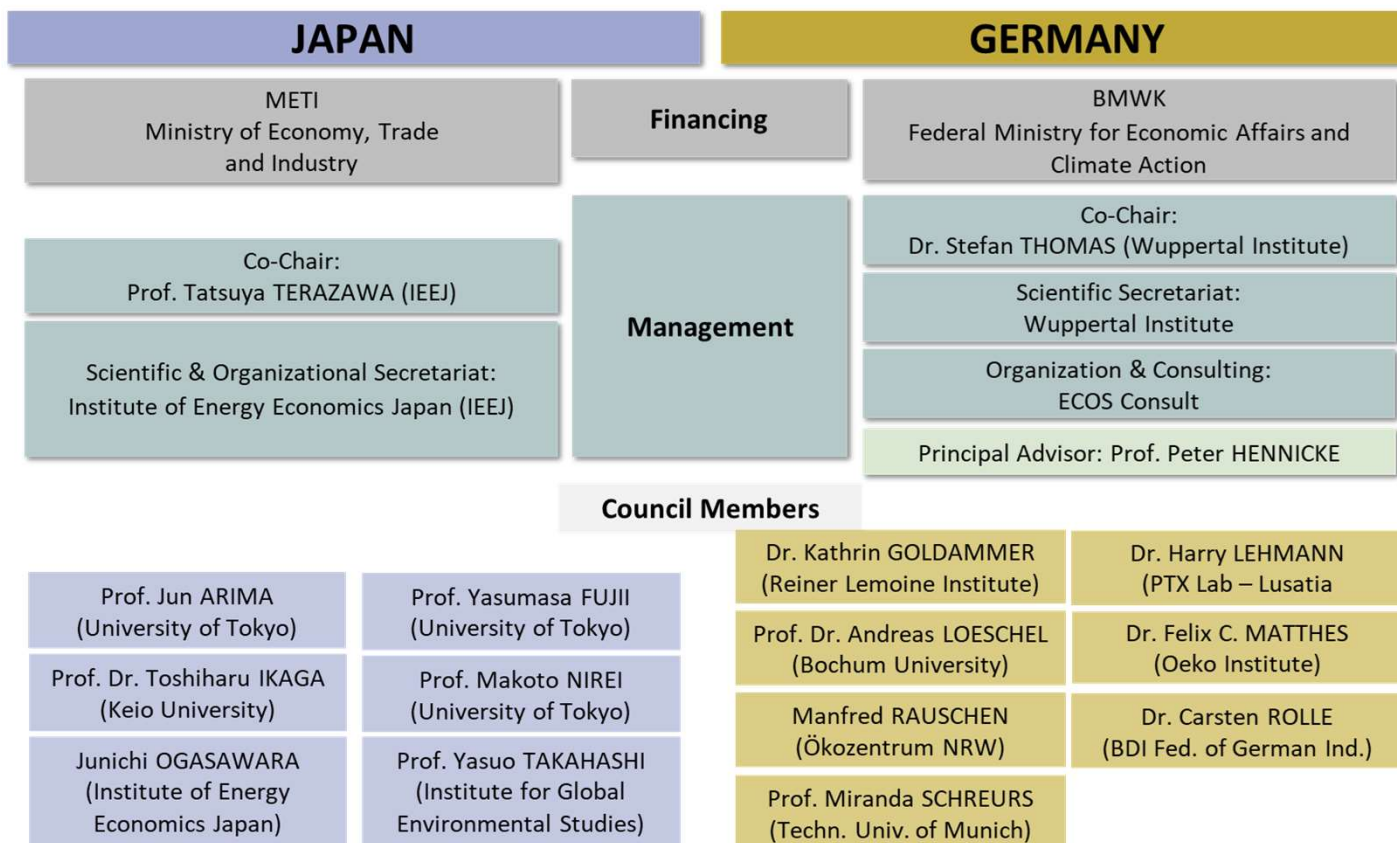
March 2023

German-Japanese Energy Transition Council

Concept and Functions



Council Structure



Principles of the GJETC

- Bi-national council consisting of scientific experts
- Strategic issues and in-depth research through bilateral study groups, supported by Stakeholder Dialogues
- Enabling even controversial debates on a continuously built basis of trust
- Effective Outcomes: Council Reports, Key Recommendations and Outreach Events
- Administrative and technical support through organizational and scientific secretariats
- Co-financed by German and Japan side



1st Phase

2016 - 2018

1st Phase (2016 – 2018): Studies & Publications

- Inauguration of the unique format of bilateral research cooperation in Sep 2016
- Studies:
 - Comparative analysis of long-term scenarios
 - Socio-cultural aspects of the energy transition
 - New Allocation of Roles and Business Segments of Established and new Participants in the Energy Sector Currently and Within a Future Electricity Market Design
 - Energy end-use efficiency: potentials and policies and the development of energy service markets - Germany and Japan
- Further Publications:
 - 'GJETC report 2018'
 - Topical Paper: The G20 states – selected official energy and climate targets: Renewable Energy, Energy Efficiency, CO2/GHG emissions
 - Supporting and hindering framework conditions for decentralized actors – Overview on status and perspectives in Japan and Germany



1st Phase (2016 – 2018): Council Meetings

Oct
2016 Tokyo 1st Council Meeting



Jan
2017 Berlin 2nd Council Meeting



Sep
2017 Tokyo 3rd Council Meeting



Feb
2018 Berlin 4th Council Meeting



1st Phase (2016 – 2018): Events [1]



Sept
2017

Institute of Energy
Economics Japan,
Tokyo

German-Japanese Dialogue: How far
can the Energy Transition go?”
Perspectives and First Results of the
GJETC



Feb
2018

Haus der
Bundespresse-
konferenz,
Berlin

The Energy Transition in Japan &
Germany: Consensus and
Controversies.
Insights of the GJETC



Mar
2018

Paul-Löbe-Haus,
Berlin

Public expert discussion of the Committee for
the Environment, Nature Conservation and
Nuclear Safety on the 7th anniversary of the
Fukushima nuclear disaster.



1st Phase (2016 – 2018): Events [2]



Apr 2018	Press and Visitor Center of the German Government, Berlin	Outreach: The Importance of International Cooperation under Disruptive Changes: Recommendations & Lessons Learnt from a Fruitful German-Japanese Dialogue on the Energy Transition
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Sep 2018	Institute of Energy Economics Japan, Tokyo	Outreach: The Importance of International Cooperation under Disruptive Changes: Recommendations & Lessons Learnt from a Fruitful German-Japanese Dialogue on the Energy Transition
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2nd Phase

2018 - 2020

2nd Phase (2018 – 2020): Studies & Publications



- Studies:
 - Hydrogen Society (Part 1): The role of clean hydrogen in the future energy systems of Japan and Germany
 - Hydrogen Society (Part 2): Important Aspects of Production, International Cooperation and Certification
 - Digitalization and the Energy Transition (Part 1): Virtual Power Plants and Blockchain
 - Digitalization and the Energy Transition (Part 2): P2P Electricity Trading and PPAs
- Further Publications:
 - 'GJETC report 2020'
 - Output Paper: Energy efficiency in buildings
 - Output Paper: Transportation and sector coupling
 - Output Paper: Integration cost of VRE



2nd Phase (2018 – 2020): Council Meetings [1]



Nov 2018 Tokyo 5th Council Meeting



Mar 2019 Berlin 6th Council Meeting



Sep 2019 Tokyo 7th Council Meeting



2nd Phase (2018 – 2020): Council Meetings [2]



Jun 2020 Online 8th Council Meeting



Sep 2020 Online 9th Council Meeting



March 2023

German-Japanese Energy Transition Council

2nd Phase (2018 – 2020): Events

Jun 2019	Tokyo	<p>Political Roundtable: “Intensifying the cooperation on the energy transition” (with Secretary of State Andreas Feicht, BMWi)</p>
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Jun 2019	Tokyo	<p>JSPS (Japanese Society for the Promotion of Science) Alumni Club Association (JACA) Award for Co-Chair Peter Hennicke</p>
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2nd Phase (2018 – 2020): Events



Sep 2019 Tokyo

Outreach: “Management Options for Unbundled & Secure Electricity Markets with Growing Shares of Renewable Energy Needs, Experiences and Options for Japanese-German cooperation”



Jul 2020 Online

Outreach: “Key results, lessons learnt and perspectives of the German-Japanese Energy Transition Council”



3rd Phase

2020 - 2022

3rd Phase (2020 – 2022): Studies & Publications

■ Studies:

- Energy and Climate Policy in the Post Covid-19 era – Comparative Analyses on Germany and Japan
- Digitalization and the Energy Transition: Use of Digitalization to Optimize Grid Operation Utilizing AI and Big Data collected from DERs
- CCUS and Hydrogen Contributing to Decarbonization of Energy Intensive Industries
- The Role of Batteries Towards Carbon Neutrality: How can Distributed Electricity Storage Contribute to Balancing Supply and Demand in Power Markets as well as in Power Grids?
- Key Strategies Towards Decarbonization of Energy Use and Supply in Japan and Germany: Insights from a Comparison Study on Long-Term Scenario Analyses up to 2050
- Potential Roadmaps for Decarbonization of the Steel Sector

■ Further Publications:

- Analysis: Potential Technology and Business Fields of Mutual Interest for German and Japanese Companies



3rd Phase (2020 – 2022): Council Meetings



Mar 2021 Online 10th Council Meeting



Sep
2021 Berlin / Online 11th Council Meeting



Feb 2022 Berlin / Online 12th Council Meeting



3rd Phase (2020 – 2022): Events



Jul 2021

Online

Outreach: “Beyond Climate Emergency – Steps Towards Carbon Neutrality, German-Japanese Study Results on Key Questions”



Sep
2021

Berlin

Award of the Japanese Government for Co-Chair Peter Henricke



Nov
2021

Online

Outreach: “Heading for carbon neutrality: Key strategies for Germany and Japan”



3rd Phase (2020 – 2022): Events



Sep 2021

Online

Stakeholder dialogue with Young Scientists: “Increasing the Ambition Level of Climate Mitigation – New Challenges and Opportunities for International Cooperation on the Energy Transition”



Nov
2021

Online

Innovation Roundtable:
“Thermoelectric Generators (TEG)
for Waste Heat Usage in the
Industry: Technologies,
Applications, Future Challenges”



May
2022

Online

G-J Workshop on G7 Summit

4th Phase

2020 - Now

4th Phase (2022 – now): Studies & Publications

- Studies:
 - “Strategies, Concepts and Measures for Decarbonising the Building Stock by 2045/50”
 - “Pathways to CHG Neutrality for the Petrochemical / Chemical Sector”
- Publications:
 - “Potentials for Waste Heat Usage in Japan and Germany”

2nd Phase (2018 – 2020): Events



Nov 2022 Berlin / Online 13th Council Meeting



Mar
2023 Tokyo 14th Council Meeting



3rd Phase (2020 – 2022): Events



Nov 2022

Online

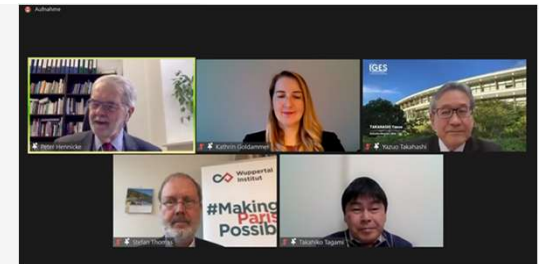
“Approaching Carbon Neutrality in Times of Crisis: German-Japanese Study Results on the Role of Decentralized Electricity Storage, Decarbonization of the Steel Industry and Long-Term Scenarios”



Dec 2022

Online

“Connecting the Outcome of COP 27 with German-Japanese Cooperation on the Energy Transition”



March
2023

Tokyo/online

Stakeholder Dialogue with the industry





For further information please visit gjetc.org

Thank you for your attention

German-Japanese Energy Transition Council