## Overview of the GXTI and Background to the Creation of the GXTI

Updated on February 28, 2025 Policy Planning and Research Division Policy Planning and Coordination Department

## Overview of the GXTI

Nowadays, we are expected to shift economic, social and industrial structures, which have depended upon fossil fuels since the Industrial Revolution, into structures driven by clean energy, and also to carry out GX in the form of an overall transformation of economic and social systems.

In order to increase their economic and social value, companies advance efforts to disclose how the value of their products and services can contribute toward solving climate change issues. Furthermore, under the June 2021 revision of Corporate Governance Code and the guidance by the Task Force on Climate-related Financial Disclosures (TCFD), companies are required to disclose their measures for issues related climate change. Patent information analysis is considered to be one of the most effective methods with which to figure out GX trends, as well as to objectively illustrate a company's GX-related efforts and the impact on climate change. We hope that GXTI, as a common asset useful for patent information analysis of GX related technologies, will contribute to the improvement of the social and economic values of enterprises and thereby promote innovations which solve various environmental issues.

## Background to the Creation of the GXTI

The technologies inventory was developed after two rounds of discussions (6 January 2022 and 6 April 2022), in which key technologies were selected for their potential to reduce greenhouse gas emissions, by a panel comprised of six external experts with in-depth knowledge of GX technology.

In addition, the comprehensive patent search formulae linked to each technology category were prepared by patent examiners in each field.

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## **Observers of the Expert Panel**

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