Policy Platform seminar
#112

Data-Driven Innovation for Sustainability:

Opportunities and Challenges in Data Governance and Public Policy

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オンライン開催
［Zoom］
参加費無料

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言語：**英語**（日本語⇔英語の同時通訳あり）
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Data-driven innovation, including the Internet of Things (IoT), blockchain, and artificial intelligence (AI), has significant potential to address various challenges identified in the Sustainable Development Goals (SDGs). Smart energy grids based on blockchain make it easier to integrate renewable energy sources and balance energy supply and demand smoothly, improving energy efficiency and reducing carbon dioxide emissions and air pollution. Smart infrastructure monitoring systems equipped with IoT sensors enable us to measure weather conditions precisely and strengthen urban resilience to natural disasters such as floods and typhoons. AI-based medical devices support conducting diagnosis and treatment efficiently, providing accessible and inclusive health services to all.

As environmental, economic, and social aspects are increasingly interwound, various kinds of data that are getting available from a variety of sources through sophisticated equipment and devices need to be deployed effectively to tackle multifaceted sustainability goals and targets. It is hence critical to collect, share, and use relevant data through cooperation and collaboration among stakeholders. The open data policy will facilitate data disclosure and exchange, contributing to creating innovation...

In this seminar, we discuss theoretical and empirical approaches to examining policy frameworks and measures to facilitate data-driven innovation and address critical issues involved, such as the ownership of and accessibility to data, interoperability and integration of data, incentives to the collection, disclosure, and sharing of data, the protection of data security and privacy, and trust and engagement in data governance. Implications for public policies and strategies are explored for maximizing the potential of data-driven innovation while minimizing risks to individuals and communities in moving towards sustainability.

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