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Titolo	Handbook of Green Finance [[electronic resource] ] : Energy Security and Sustainable Development / / edited by Jeffrey Sachs, Wing Thye Woo, Naoyuki Yoshino, Farhad Taghizadeh-Hesary
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Collana	Sustainable Development
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Soggetti	Economic development projects—Finance Economic development—Environmental aspects Natural resources Development Finance Development and Sustainability Natural Resource and Energy Economics
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Introduction (All authors, Yoshino to lead) -- Financing the SDGs -- Development and climate finance -- Structure and goal of the book -- Local economic development of Asian countries (Former Director General, Environmental Agency, Kyoto University) -- Trends and current states of green finance -- Issues and barriers in furthering private investment into green energy -- Overview of financing needs in Asia -- New development agenda and roles of development cooperation (Professor Jeffrey Sachs) -- The 2030 Agenda and the SDGs -- Macroeconomic and finance challenges for climate change -- Potential roles of development cooperation (Yoshino) -- The background of HIT concept -- Financing for environmental improvements by HIT -- -- Generalizing HIT: Designing effective development and climate finance for local communities (Dr. Kim) -- Innovative finance for local economic development -- Development finance make "risky" business proposal profitable: 'Hometown investment trust fund' with climate finance -- Implementing the new

finance approach -- Climate Financing of Green Technologies in the European Union (M. Helble) -- 8, Pension funds and Insurance for Green finance -- 9, Public Private Partnership for Green finance (ADB) -- 10, Viability Gap Funding for Green Finance.- -- Conclusion.- -- .

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## Sommario/riassunto

This handbook deals with various financial instruments, policies, and strategies in a policy-oriented approach for financing green energy projects. Recently, global investment in renewables and energy efficiency has declined, and there is a risk that it will slow further. Clearly, fossil fuels still dominate energy investments. This trend could threaten the expansion of green energy needed to meet energy security, climate, and clean-air goals. Several developed and developing economies are still following pro-coal energy policies. The extra CO<sub>2</sub> generated from new coal-fired power plants could more than eliminate any reductions in emissions made by other nations. Finance is the engine of development of infrastructural projects, including energy projects. By providing several thematic and country chapters, this handbook explains that if we plan to achieve sustainable development goals, we need to create opportunities for new green projects and scale up the financing of investments that furnish environmental benefits. New financial instruments and policies such as green bonds, green banks, carbon market instruments, fiscal policy, green central banking, fintech, and community-based green funds are among the chief components that make up green finance. Naoyuki Yoshino is Dean, Asian Development Bank Institute and Professor Emeritus, Keio University. Jeffery Sachs is Director, Center for Sustainable Development at Columbia University. Wing Thye Woo is Professor of Economics, U.C. Davis. Farhad Taghizadeh-Hesary is Assistant Professor, Waseda University.

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