

Identifying Information

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Paper Information

Title:	Domestic Innovation of Clean Technologies by Developing Countries
Abstract:	<p>This article has three major components. It first explores what takes to set up domestic innovation of clean technologies. Clean technologies are any equipment, technique, practical knowledge or skill that helps mitigate or adapt to climate change. The article next tries to understand how developing countries are faring in building domestic innovation of clean technologies. Based on data availability, the article reviews four upper middle-income countries (Malaysia, South Africa, Thailand and Turkey) and four lower middle-income countries (Armenian, India, Morocco and Pakistan) in their domestic innovation of clean technologies. The article then explores whether developing countries are in a position to build up their own innovation systems for clean technologies, instead of heavily relying on in-bound transfer of clean technologies. The article suggests steps to take for developing countries who are yet to be in a position to build own innovation systems for clean technologies. This article reflects part III of a research project exploring how to address climate change via the development and deployment of clean technologies. Part I of the research project examines whether IPR has been a major reason for the very limited transfer of clean technologies from developed countries to developing countries. The researcher's conclusion is that IPR has not been the main reason. An article on Part I is available at https://ssrn.com/abstract=2742713. Part II of the project explores different IPR management models for building mutually beneficial international cooperation for developing and deploying clean technologies; an article is on the way of publication.</p>