

THE RELATIONSHIP BETWEEN GREEN INNOVATION, FOREIGN DIRECT INVESTMENT, AND SUSTAINABLE DEVELOPMENT IN THE CONTEXT OF GEOPOLITICAL RISK

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Appendix 1. Variable description

Variable	Description	Measurement	Research	Data sources
SD	Sustainable development	Sustainable development goals index	Oanh (2024), Dinh et al. (2024), Nguyen et al. (2025)	Sustainable Development Report
FDI	Foreign direct investment	Foreign direct investment, net inflows (% of GDP)	Oanh (2024), Izadi & Madirimov (2023)	WDI
GI	Green innovation	The ratio of environmental-related technology patents to total technology patents (%)	Chien et al. (2023), Nguyen et al. (2025)	OECD
GPR	Geopolitical risks	The geopolitical risk index, developed by Dario Caldara and Matteo Iacoviello.	Hoang et al. (2024)	www.matteoiacoviello.com
GDP	Economic growth	GDP growth rate (%)	Wang et al. (2024)	WDI
FD	Fiscal decentralization	Local spending/ total government spending ratio (%)	Yang et al. (2020), Hui & Martinez-Vazquez (2021)	IMF
NRR	Natural resources rent	Total natural resources rents (% of GDP)	Dastgeer et al. (2023)	WDI
REC	Renewable energy consumption	% of total final energy consumption	Sueyoshi et al. (2022), Dastgeer et al. (2023)	
URB	Urbanization	Urban population (% of total population)	Chen & Liu (2020), Li & Xu (2023)	
OPEN	Trade openness	Sum of exports and imports of goods and services (% of GDP)	Yang et al. (2020), Hui & Martinez-Vazquez (2021), Nguyen et al. (2025)	
SIZE	Government size	Government revenue (% of GDP)	Jin & Jakovljevic (2023), Nguyen et al. (2025)	
POP	Population	Population growth rate (%)	Vo & Vo (2021)	

Appendix 2. Descriptive statistics

Variable	Obs	Mean	Std. dev.	Min	Max
SDGI	396	4.32097	0.07892	4.09722	4.46080
GI	396	0.12627	0.03746	0.05041	0.26616
FDI	396	0.03209	0.09385	-0.40086	1.06574
GPR	396	0.24273	0.40874	0.00564	2.62763
GDP	396	0.02424	0.03390	-0.10940	0.13363
FD	396	0.34709	0.15919	0.03000	0.82510
URB	396	0.75722	0.13604	0.30417	0.98117
TRADE	396	0.78156	0.37344	0.23393	1.86429
SIZE	396	0.36156	0.11286	0.12461	0.57498
POP	396	0.00625	0.00634	-0.01854	0.02010
REC	396	0.18818	0.13537	0.01300	0.61400
NRR	396	0.02534	0.03404	0.00008	0.18511