

ERIA Support
RESEARCH REPORT

**The Need to Upgrade the Geographical
Simulation Model (IDE-GSM)**

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Edited by

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Abbreviations and acronyms

ADB	Asian Development Bank
ASEAN	Association of Southeast Asian Nations
BEZ	Border Economic Zone
CADP	Comprehensive Asia Development Plan
CGE	Computable General Equilibrium
CLMV	Cambodia, Laos, Myanmar, and Vietnam
CNN	Convolutional Neural Network
COVID-19	Coronavirus Disease 2019
CP	Core-Periphery
DMSP-OLS	Defense Meteorological Satellite Program - Operational Line-Scan System
ERIA	Economic Research Institute for ASEAN and East Asia
ESA	European Space Agency
EU	European Union
EWEC	East-West Economic Corridor
FDI	Foreign Direct Investment
FTA	Free Trade Agreement
GAUL	Global Administrative Unit Layers
GDP	Gross Domestic Product
GIS	Geographic Information System
GMS	Greater Mekong Subregion
GPU	Graphic Processor Unit
GRP	Gross Regional Product
GSM	Geographical Simulation Model
HSR	High Speed Rail
ICT	Information and Communication Technology
IDE	Institute of Developing Economies
IDE-GSM	Institute of Developing Economies-Geographical Simulation Model
IDE-JETRO	Institute of Developing Economies, Japan External Trade Organization
IO	Input-Output
IPR	Intellectual Property Right
MFN	Most Favored Nation

MODIS	Moderate Resolution Imaging Spectroradiometer
MPAC	Master Plan on ASEAN Connectivity
NASA	National Aeronautics and Space Administration
NEG	New Economic Geography
NTB	Non-tariff Barrier
NTL	Nighttime Light
OSM	OpenStreetMap
PCB	Policy and Cultural Barrier
POI	Point of Interest
ROW	Rest of the World
SEC	Southern Economic Corridor
SEZ	Special Economic Zone
SKRL	Singapore-Kunming Rail Link
SPS	Sanitary and Phytosanitary
TBT	Technical Barriers to Trade
TTFM	Transport and Trade Facilitation Measure
UNESCAP	United Nations Economic and Social Commission for Asia and the Pacific
US	United States
USD	United States Dollar
USGS	United States Geological Survey

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