

## Abbreviations and Acronyms

|                 |  |
|-----------------|--|
| ADB             | Asian Development Bank   |
| ASEAN           | Association of Southeast Asian Nations   |
| CEETIA          | Center for Environmental Engineering of Towns and Industrial Areas (Viet Nam)      |
| c.i.f.          | cost, insurance, and freight   |
| CO <sub>2</sub> | carbon dioxide   |
| DWT             | dead-weight ton  |
| EOC             | Environment Operations Center  |
| ESA             | European Space Agency  |
| ESCAP           | United Nations Economic and Social Commission for Asia and the Pacific             |
| ETM+            | Enhanced Thematic Mapper Plus  |
| FAO             | Food and Agriculture Organization of the United Nations                            |
| f.o.b.          | free on board  |
| GDP             | gross domestic product   |
| GHG             | greenhouse gas   |
| GMS             | Greater Mekong Subregion   |
| GNI             | gross national income  |
| GW              | gigawatt   |
| ha              | hectare  |
| HRD             | human resource development   |
| IUCN            | World Conservation Union   |
| IRRI            | International Rice Research Institute  |
| kg              | kilogram   |
| km              | kilometer  |
| km <sup>2</sup> | square kilometer   |
| KW              | kilowatt   |
| m               | meter  |
| MDG             | Millennium Development Goal  |
| MOSTE           | Ministry of Science, Technology and Environment (Thailand)                         |
| MRC             | Mekong River Commission  |
| MW              | megawatt   |
| NASA            | National Aeronautic and Space Agency   |
| NGO             | nongovernment organization   |
| NORAD           | Norwegian Agency for Development Cooperation                                       |
| NTFP            | non-timber forest product  |
| ODA             | official development assistance  |
| PDR             | People's Democratic Republic (Lao)   |
| PPP             | purchasing power parity  |
| PRC             | People's Republic of China   |
| PDR             | People's Democratic Republic (Lao)   |
| SRTM            | Shuttle Radar Topographic Mission  |
| STEA            | Science, Technology and Environment Agency (Lao PDR)                               |
| UNCSD           | United Nations Commission for Sustainable Development                              |
| UNDP            | United Nations Development Programme   |
| UNDP MIMU       | United Nations Development Programme, Myanmar Information Management Unit          |
| UNEP            | United Nations Environment Programme   |
| UNEP RRC.AP     | UNEP Regional Resource Centre for Asia and the Pacific                             |
| UNESCO          | United Nations Educational, Scientific, and Cultural Organization                  |
| UN FAO DSMW     | United Nations Food and Agriculture Organization, Digital Soil Map of the World    |
| UN FAO GAUL     | United Nations Food and Agriculture Organization, Global Administrative Unit Layer |
| USGS            | United States Geological Survey  |
| VMAPO           | Vector Map Level 0   |
| WHO             | World Health Organization  |
| WWF             | World Wide Fund for Nature   |

NOTE: \$ refers to US dollars throughout the Atlas

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Part IV outlines development trends in the subregion, from agriculture and fisheries to water availability, energy, urbanization, transport, and tourism, and the pressure that these developments place on the environment and natural resources.

Part V describes the challenges posed by development in the subregion, including the impact of natural disasters and climate change, and the responses to meet these challenges by the countries and various international and regional organizations.

Part VI contains information resources: statistical tables that complement the text of each chapter and references to the literature and other sources used in compiling the atlas.

GREATER MEKONG SUBREGION

# ATLAS

OF THE ENVIRONMENT

*2nd Edition*

The second edition of the Greater Mekong Subregion Atlas of the Environment again champions the environment of this unique part of Asia, an area straddled by rivers great and small, with bountiful watersheds, wetlands, and forests.

The Atlas celebrates the peoples of the subregion, and presents the environmental and development challenges they face and their responses. It reminds us that the subregion's peoples and communities are key to maintaining its environment.

The Atlas captures in one volume maps, remote-sensing images, and essential information on one of the most culturally, ethnically, and biologically diverse regions in the world.

The subregion is made up of Cambodia; Guangxi Zhuang Autonomous Region and Yunnan Province of the People's Republic of China; the Lao People's Democratic Republic; Myanmar; Thailand; and Viet Nam.

## About the Asian Development Bank

ADB's vision is an Asia and Pacific region free of poverty. Its mission is to help its developing member countries reduce poverty and improve the quality of life of their people. Despite the region's many successes, it remains home to two-thirds of the world's poor: 1.8 billion people who live on less than \$2 a day, with 903 million struggling on less than \$1.25 a day. ADB is committed to reducing poverty through inclusive economic growth, environmentally sustainable growth, and regional integration.

Based in Manila, ADB is owned by 67 members, including 48 from the region. Its main instruments for helping its developing member countries are policy dialogue, loans, equity investments, guarantees, grants, and technical assistance.



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