

Explanatory notes

Analyses in the *Asia-Pacific Disaster Report 2019* are based on data and information available up to 31 May 2019.

The Asia-Pacific region, unless otherwise specified, refers to the group of ESCAP members and associate members that are within the Asia and the Pacific geographic region. Groupings of countries and territories/ areas referred to in the present edition of the Report are defined as follows:

ESCAP region: Afghanistan; American Samoa; Armenia; Australia; Azerbaijan; Bangladesh; Bhutan; Brunei Darussalam; Cambodia; China; Cook Islands; Democratic People's Republic of Korea; Fiji; French Polynesia; Georgia; Guam; Hong Kong, China; India; Indonesia; Iran (Islamic Republic of); Japan; Kazakhstan; Kiribati; Kyrgyzstan; Lao People's Democratic Republic; Macao, China; Malaysia; Maldives; Marshall Islands; Micronesia (Federated States of); Mongolia; Myanmar; Nauru; Nepal; New Caledonia; New Zealand; Niue; Northern Mariana Islands; Pakistan; Palau; Papua New Guinea; Philippines; Republic of Korea; Russian Federation; Samoa; Singapore; Solomon Islands; Sri Lanka; Tajikistan; Thailand; Timor-Leste; Tonga; Turkey; Turkmenistan; Tuvalu; Uzbekistan; Vanuatu; and Viet Nam

East and North-East Asia: China; Democratic People's Republic of Korea; Hong Kong, China; Japan; Macao, China; Mongolia and Republic of Korea

North and Central Asia: Armenia; Azerbaijan; Georgia; Kazakhstan; Kyrgyzstan; Russian Federation; Tajikistan; Turkmenistan and Uzbekistan

Pacific: American Samoa; Australia; Cook Islands; Fiji; French Polynesia; Guam; Kiribati; Marshall Islands; Micronesia (Federated States of); Nauru; New Caledonia; New Zealand; Niue; Northern Marina Islands; Palau; Papua New Guinea; Samoa; Solomon Islands; Tonga; Tuvalu and Vanuatu

South and South-West Asia: Afghanistan; Bangladesh; Bhutan; India; Iran (Islamic Republic of); Maldives; Nepal; Pakistan; Sri Lanka and Turkey

South-East Asia: Brunei Darussalam; Cambodia; Indonesia; Lao People's Democratic Republic; Malaysia; Myanmar; Philippines; Singapore; Thailand; Timor-Leste and Viet Nam

Developing ESCAP region: ESCAP region excluding Australia; Japan and New Zealand

Developed ESCAP region: Australia; Japan and New Zealand

Countries with Special Needs

Least developed countries: Afghanistan; Bangladesh; Bhutan; Cambodia; Kiribati; Lao People's Democratic Republic; Myanmar; Nepal; Solomon Islands; Timor-Leste; Tuvalu and Vanuatu. Samoa was part of the least developed countries prior to its graduation in 2014

Landlocked developing countries: Afghanistan; Armenia; Azerbaijan; Bhutan; Kazakhstan; Kyrgyzstan; Lao People's Democratic Republic; Mongolia; Nepal; Tajikistan; Turkmenistan and Uzbekistan

Small island developing States: Cook Islands; Fiji; Kiribati; Maldives; Marshall Islands; Micronesia (Federated States of); Nauru; Niue; Palau; Papua New Guinea; Samoa; Solomon Islands; Timor-Leste; Tonga; Tuvalu and Vanuatu

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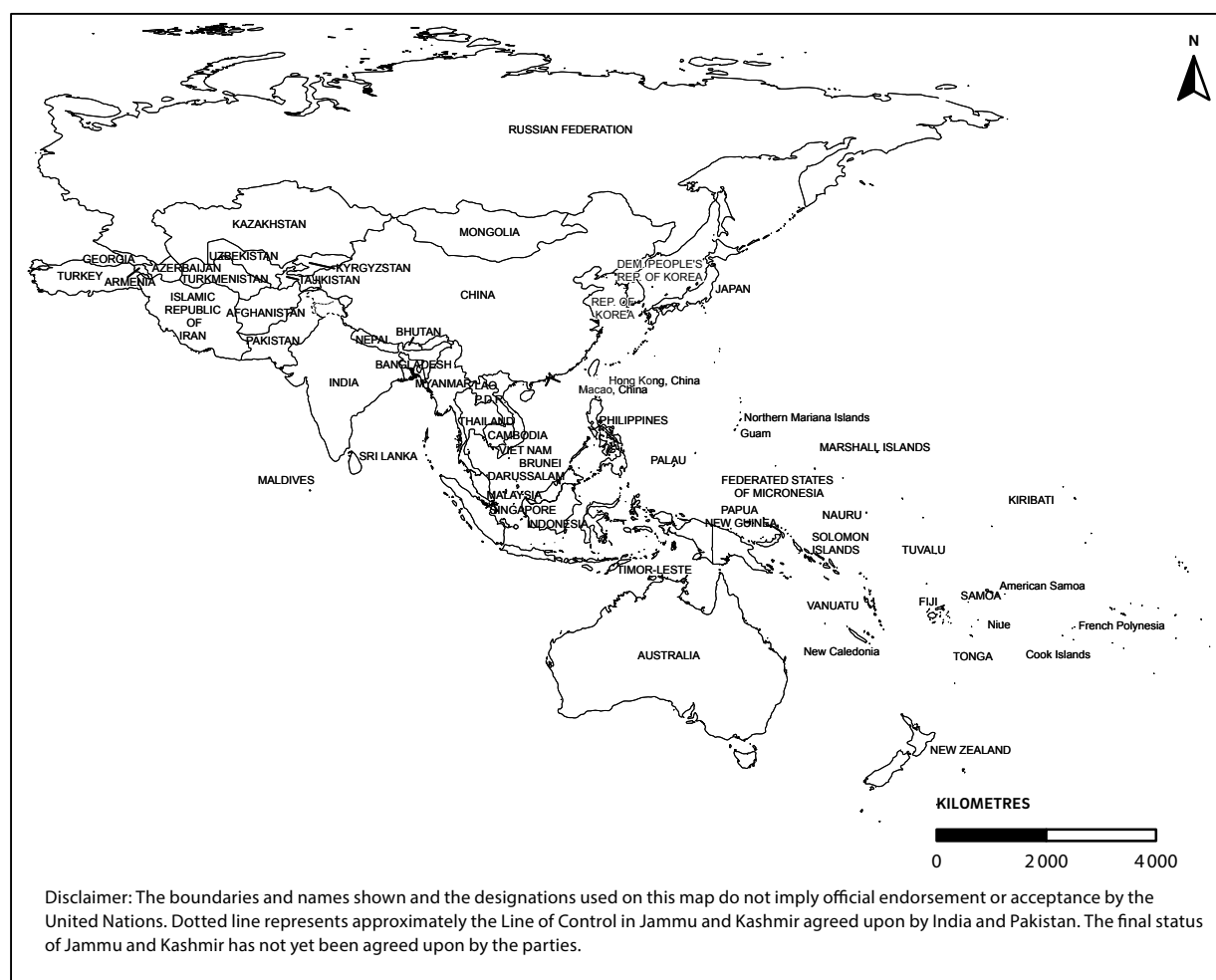
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References to dollars (\$) are to United States dollars, unless otherwise stated. The term "billion" signifies a thousand million. The term "trillion" signifies a million million.

In the tables, two dots (..) indicate that data are not available or are not separately reported; a dash (-) indicates that the amount is nil or negligible; and a blank indicates that the item is not applicable.

In dates, a hyphen (-) is used to signify the full period involved, including the beginning and end years, and a stroke (/) indicates a crop year, fiscal year or plan year.

Country Profile Map



Acronyms and Abbreviations

AAL	Average Annual Loss
ACCCRN	Asian Cities Climate Change Resilience Network
ADB	Asian Development Bank
AHA Centre	ASEAN Coordinating Centre for Humanitarian Assistance on disaster management
AI	Artificial intelligence
APDIM	Asian and Pacific Centre for Development of Disaster Information Management
APDRN	Asia-Pacific Disaster Resilience Network
APFSD	Asia-Pacific Forum for Sustainable Development
ASEAN	Association of Southeast Asian Nations
CCA	Climate Change Adaptation
CCI	Climate Change Initiative (European Space Agency)
CGE	Computable General Equilibrium model
CMA	China Meteorological Administration
DART	Deep-ocean Assessment and Reporting of Tsunamis
DHS	Demographic and Health Survey
DLR	German Aerospace Center (Deutsches Zentrum für Luft- und Raumfahrt)
DRFS	Disaster-related Statistics Framework
DRR	Disaster Risk Reduction
EM-DAT	Emergency Events Database
ENEAS	East and North-East Asia (ESCAP Sub-region)
ESCAP	Economic and Social Commission for Asia and the Pacific
EU	European Union
FAO	Food and Agriculture Organization of the United Nations
GADRRRES	Global Alliance for Disaster Risk Reduction and Resilience in the Education Sector
GBM	Ganges-Brahmaputra-Meghna
GDACS	Global Disaster Alerting Coordination System
GDP	Gross domestic product
GFDRR	Global Facility for Disaster Reduction and Recovery (World Bank)
GIS	Geographic information system
GPS	Global Positioning System
HDI	Human Development Index
HLPF	High-level Political Forum on Sustainable Development
ICHARM	International Centre for Water Hazards and Risk Management
ICT	Information and communications technology
IoT	Internet of things
IPCC	Intergovernmental Panel on Climate Change
JMA	Japan Meteorological Agency

LAPAN	Indonesia National Institute of Aeronautics and Space
LDC	Least Developed Countries
LIDAR	Light Detection and Ranging
MODIS	Moderate Resolution Imaging Spectroradiometer
NASA	National Aeronautics and Space Administration (United States)
NCA	North and Central Asia (ESCAP Sub-region)
NGO	Non-Governmental Organization
NOAA	National Oceanic and Atmospheric Administration (United States)
OFDA	Office of United States Foreign Disaster Assistance
PDNAs	Post-Disaster Needs Assessments
RIMES	Regional Integrated Multi-hazard Early Warning System for Asia and Africa
SDGs	Sustainable Development Goals
SEA	South-East Asia (ESCAP Sub-region)
SIDS	Small Island Developing States
SME	Small and Medium Enterprise
SSWA	South and South-West Asia (ESCAP Sub-region)
UAVs	Unmanned aerial vehicles
UHC	Universal Health Care
UNCCD	United Nations Convention to Combat Desertification
UNCDF	United Nations Capital Development Fund
UNDP	United Nations Development Programme
UNEP	United Nations Environment Programme
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNESCO-IOC	Intergovernmental Oceanographic Commission of UNESCO
UN-GGIM	United Nations Global Geospatial Information Management
UN-GGIM-AP	United Nations Global Geospatial Information Management for Asia and the Pacific
UNICEF	The United Nations Children's Fund
UNDRR	United Nations Office for Disaster Reduction
UNITAR-UNOSAT	United Nations Institute for Training and Research- UNITAR Operational Satellite Applications Programme
UNOPS	United Nations Office for Project Services
USAID	United States Agency for International Development
WFP	World Food Programme
WHO	World Health Organization
WMO	World Meteorological Organization
WRI	World Resources Institute