

ESCAP Asia-Pacific Disaster Resilient Network Portal - List of data sources (2021)

Service Group	File Name	Data Type	Service Name	Credit	URL	Access date
Hazard	Drought_SPEI6_2015_CHIRPS	Raster	6 months Standardized precipitation index (SPI6) in 2015	The Climate Hazards Center and affiliates. Climate Hazards Group InfraRed Precipitation with Station data (CHIRPS)	https://www.chc.ucsb.edu/data	Accessed in January 2021
Hazard	Drought_SPEI6_2019_CHIRPS	Raster	6 months Standardized precipitation index (SPI6) in 2019	The Climate Hazards Center and affiliates. Climate Hazards Group InfraRed Precipitation with Station data (CHIRPS)	https://www.chc.ucsb.edu/data	Accessed in January 2021
Hazard	Flood_25RT_GAR	Raster	Flood hazard 25-year return periods	UN Office for Disaster Risk Reduction (UNDRR) (2017). Global Assessment Report on Disaster Risk Reduction (GAR) Atlas Risk Data	https://risk.preventionweb.net/capreviewer/	Accessed in November 2020
Hazard	Flood_100RT_GAR	Raster	Flood hazard 100-year return periods	UN Office for Disaster Risk Reduction (UNDRR) (2017). Global Assessment Report on Disaster Risk Reduction (GAR) Atlas Risk Data	https://risk.preventionweb.net/capreviewer/	Accessed in November 2020
Hazard	Cyclone_50RT_GAR	Raster	Cyclone wind 50-year return periods	UN Office for Disaster Risk Reduction (UNDRR) (2017). Global Assessment Report on Disaster Risk Reduction (GAR) Atlas Risk Data	https://risk.preventionweb.net/capreviewer/	Accessed in November 2020
Hazard	Cyclone_100RT_GAR	Raster	Cyclone wind 100-year return periods	UN Office for Disaster Risk Reduction (UNDRR) (2017). Global Assessment Report on Disaster Risk Reduction (GAR) Atlas Risk Data	https://risk.preventionweb.net/capreviewer/	Accessed in November 2020
Hazard	Earthquake_PGA_250RT_GAR	Raster	Peak ground acceleration PGA 250-year return periods	UN Office for Disaster Risk Reduction (UNDRR) (2017). Global Assessment Report on Disaster Risk Reduction (GAR) Atlas Risk Data	https://risk.preventionweb.net/capreviewer/	Accessed in November 2020
Hazard	Earthquake_PGA_475RT_GAR	Raster	Peak ground acceleration PGA 475-year return periods	UN Office for Disaster Risk Reduction (UNDRR) (2017). Global Assessment Report on Disaster Risk Reduction (GAR) Atlas Risk Data	https://risk.preventionweb.net/capreviewer/	Accessed in November 2020
Hazard	Tsunami_runup_RT475_GAR15	Vector	Tsunami hazard (run up) 475-year return periods (metres)	UN Office for Disaster Risk Reduction (UNDRR) (2017). Global Assessment Report on Disaster Risk Reduction (GAR) Atlas Risk Data	https://risk.preventionweb.net/capreviewer/	Accessed in November 2020
Hazard	Tsunami_fault_traces_GAR	Vector	Tsunami fault traces	UN Office for Disaster Risk Reduction (UNDRR) (2017). Global Assessment Report on Disaster Risk Reduction (GAR) Atlas Risk Data	https://risk.preventionweb.net/capreviewer/	Accessed in November 2020
Vulnerability	TotalDALYper100000_WHO	Raster	Total DALY correlate with 4 multi-hazard per 100,000 population	World Health Organization (WHO) (2020). Disability-Adjusted Life Years (DALYs) estimates 2000–2019	https://www.who.int/data/gho/data/themes/mortality-and-global-health-estimates/global-health-estimates-leading-causes-of-dalys	Accessed in January 2021
Vulnerability	Population_Worldpop	Raster	Gridded population	Worldpop (2020). Worldpop Population Counts for 2020.	https://www.worldpop.org/project/categories?id=3	Accessed in January 2021
Vulnerability	Population_CIESEN	Raster	Gridded population	Center for International Earth Science Information Network (CIESIN) Columbia University (2018). Gridded Population of the World, Version 4 (GPWv4): Administrative Unit Center Points with Population Estimates, Revision 11	https://sedac.ciesin.columbia.edu/data/collection/gpw	Accessed in May 2020
Vulnerability	SHDI_2018_UNDP	Vector	Subnational Human Development Index	Global Data Lab and United Nations Development Programme (UNDP) (2018). Subnational Human Development Index (HDI) Version 4.0 (2020).	http://hdr.undp.org/en/content/human-development-index-hdi-and https://globaldatalab.org/shdi/download_files/	Accessed in January 2021
Exposure	Hydropower_ESCAP	Vector	Hydropower	United Nations, Economic and Social Commission for Asia and the Pacific (ESCAP) (2018). Asia-Pacific Energy Portal 2018.	https://asiapacificenergy.org/	Accessed in September 2018
Exposure	Hospital_and_clinics_HDX	Vector	Hospitals and clinics	United Nations Office for the Coordination of Humanitarian Affairs (OCHA) Services (2021). Humanitarian Data Exchange (HDX). Health infrastructure datasets	https://data.humdata.org/dataset	Accessed in March - April 2021
Exposure	Exposed_economic_stoc_GAR15	Raster	Exposed economic stock	UN Office for Disaster Risk Reduction (UNDRR) (2017). Global Assessment Report on Disaster Risk Reduction (GAR) Atlas Risk Data Platform, 2015	https://risk.preventionweb.net/capreviewer/main.jsp?	Accessed in November 2020
Exposure	Terrestrial_cables_APIIS	Raster	Terrestrial cables	United Nations, Economic and Social Commission for Asia and the Pacific (ESCAP) (2018). The Asia-Pacific Information Superhighway 2018	https://www.unescap.org/our-work/ict-and-disaster-risk-reduction/asia-pacific-information-superhighway-ap-platform	Accessed in September 2018
Exposure	Ports_and_airports_ESCAP	Vector	Ports and airports	United Nations, Economic and Social Commission for Asia and the Pacific (ESCAP) (2018). ESCAP Transportation Data 2018 (unpublished)	unpublished data	Accessed in September 2018
Exposure	Asian_highway_roads_ESCAP	Vector	Asian highway roads	United Nations, Economic and Social Commission for Asia and the Pacific (ESCAP) (2018). ESCAP Transportation Data 2018 (unpublished)	unpublished data	Accessed in September 2018
Exposure	All_power_plantss_ESCAP	Vector	All types of power plants	United Nations, Economic and Social Commission for Asia and the Pacific (ESCAP) (2018). Asia-Pacific Energy Portal 2018.	https://asiapacificenergy.org/	Accessed in September 2018
Exposure	SolarWind_ESCAP	Vector	Solar and wind power plants	United Nations, Economic and Social Commission for Asia and the Pacific (ESCAP) (2018). Asia-Pacific Energy Portal 2018.	https://asiapacificenergy.org/	Accessed in September 2018
Exposure	CoalOilHydro_ESCAP	Vector	Coal, oil, hydropower plants	United Nations, Economic and Social Commission for Asia and the Pacific (ESCAP) (2018). Asia-Pacific Energy Portal 2018.	https://asiapacificenergy.org/	Accessed in September 2018

Exposure	Transmission_line_ESMAP	Vector	Global Electricity Transmission Lines	World Bank (2020). Derived Map Of Global Electricity Transmission And Distribution Lines.	https://datacatalog.worldbank.org/dataset/derived-map-global-electricity-transmission-and-distribution-lines	Accessed in February 2021
Climate Change	Drought_RCP_45_2020_2039	Raster	Climate projection for drought under moderate scenario (RCP 4.5) 2020-2039	World Bank (2021). Climate Change Knowledge Portal	https://climatedata.worldbank.org/CRMePortal/web/water/land-use/-watershed-management	Accessed in February 2021
Climate Change	Drought_RCP_85_2020_2039	Raster	Climate projection for drought under worst-case scenario (RCP 8.5) 2020-2039	World Bank (2021). Climate Change Knowledge Portal	https://climatedata.worldbank.org/CRMePortal/web/water/land-use/-watershed-management	Accessed in February 2021
Climate Change	Drought_RCP_45_2040_2059	Raster	Climate projection for drought moderate scenario (RCP 4.5) 2040-2059	World Bank (2021). Climate Change Knowledge Portal	https://climatedata.worldbank.org/CRMePortal/web/water/land-use/-watershed-management	Accessed in February 2021
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Climate Change	Heatwave_RCP_26_2020_2039	Raster	Climate projection for heatwaves under RCP 2.6 as proxy to current scenario 2020-2039	World Bank (2021). Climate Change Knowledge Portal	https://climatedata.worldbank.org/CRMePortal/web/water/land-use/-watershed-management	Accessed in February 2021
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Climate Change	Heatwave_RCP_45_2020_2039	Raster	Climate projection for heatwaves under mod	World Bank (2021). Climate Change Knowledge Portal	https://climatedata.worldbank.org/CRMePortal/web/water/land-use/-watershed-management	Accessed in February 2021
Climate Change	Heatwave_RCP_45_2040_2059	Raster	Climate projection for heatwaves under mod	World Bank (2021). Climate Change Knowledge Portal	https://climatedata.worldbank.org/CRMePortal/web/water/land-use/-watershed-management	Accessed in February 2021