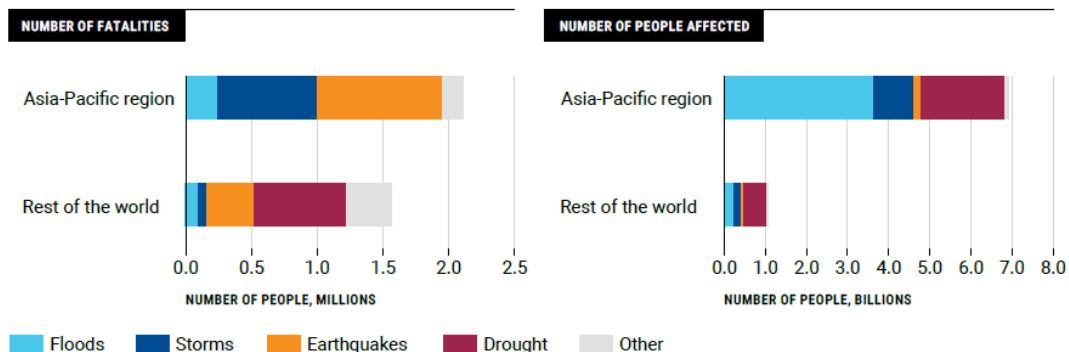


Asian High Mountain Observations

International and regional collaboration, networks for climate resilience

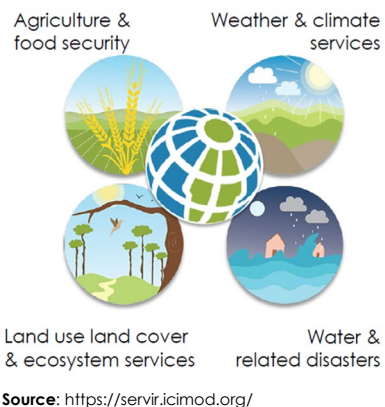
The Asia-Pacific region accounts for 57 per cent of global fatalities and 87 per cent of the global population affected by natural disasters



Source: Data from EM-DAT – The International Disaster Database. Available at <https://www.emdat.be/> (accessed on 4 May 2021).

Challenges

- Increase in intensity and frequency of disasters (IPCC AR6)
- Inadequate climate observation network
- Limited sharing of data and information
- Inadequate and varying capacity
- Lack of tailored climate services that are actionable and gender responsive



GEO Mountains Inventory of In Situ Observational Infrastructure

- Interactive web map
- Datasets
- Metadata
- www.geomountains.org

Third Pole Regional Climate Centre (TPRCC) - Network

- Three sub-regional nodes – China (CMA), India (IMD), and Pakistan (PMD)
- Facilitated by World Meteorological Organization

Regional Database System

<https://rds.icimod.org/>



Source: www.geomountains.org

Opportunities

Harmonization of climate data and information, standardization of risk assessment methodologies

Advances in techniques of earth system prediction on extreme events, to reduce impacts caused by extremes

Increasing demand for climate services and greater interest of partners for capacity building on EO to improve adaptive capacity to climate change

