

Climate Risk Index

Why in News?

According to a climate risk index report, India was the 6th most affected by extreme weather events over the last 3 decades from 1993 to 2023.

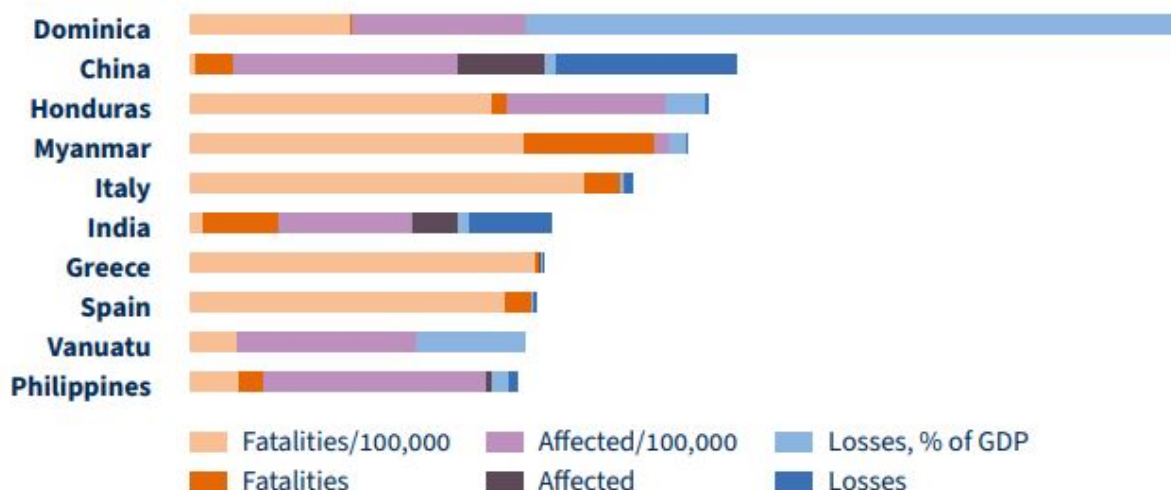
- **Published since** - 2006.
- **Published by** - German watch, a non-profit organization.
- **Climate Risk Index** - It is one of the longest running **annual climate impact-related indices**.
- **It uses the data from:**
 - Emergency Events Database (EM-DAT) international disaster database.
 - World Bank.
 - International Monetary Fund (IMF).
- **Methodology** - It analyses climate-related extreme weather events' impacts via 3 hazard categories:
 1. Hydrological
 2. Meteorological
 3. Climatological
- It visualizes such events' degree of effect at 2 years before the index's publication and over the preceding 30 years.
- **6 key indicators** - Economic loss, fatalities, and affected people with each in absolute and relative terms.

Indicators

■ Fatalities, relative	22,50 %
■ Fatalities, absolute	7,50 %
■ Affected, relative	15,00 %
■ Affected, absolute	5,00 %
■ Economic losses, relative	37,50 %
■ Economic losses, absolute	12,50 %

- **Ranking** - It is based on the countries economic and human impacts (fatalities as well as affected, injured, and homeless).
- **Countries most affected in last 3 decades (1993-2022)** - The top 10 countries that are most affected are Dominica, China, and Honduras were the most affected countries followed by Myanmar, Italy and India (6th most affected).

CRI 1993-2022



- **India** - It ranks **6th** among the top 10 countries which shows high absolute fatalities and economic losses.
- India has faced a variety of increasingly frequent extreme weather events, including floods, heat waves, cyclones, and drought.

More than 400 extreme weather events in the 3 decades, causing losses of nearly USD 180 billion (inflation-adjusted) and at least 80,000 fatalities.

- Floods and landslides resulting from heavy monsoons displaced millions and damaged agriculture.
- Cyclones devastated coastal areas, underscoring India's diverse climate risks.

Notable catastrophic events in India	
1998	Gujarat Cyclones
1999	Odisha Cyclones
2014 & 2020	Cyclones Hudhud and Amphan
1993	Floods in northern India
2013 & 2019	Uttarakhand severe floods
1998, 2002, 2003 and 2015	Recurring and unusually intense heat waves, all with temperatures around 50°C, claimed many lives.

References

1. [Down to Earth| India among Top 10 Countries](#)
2. [Germanwatch| Climate Risk Index 2025](#)
3. [Germanwatch Pdf| Countries Most Affected in Last 3 Decades](#)



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