

Climate Risk Index

Why in News?

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

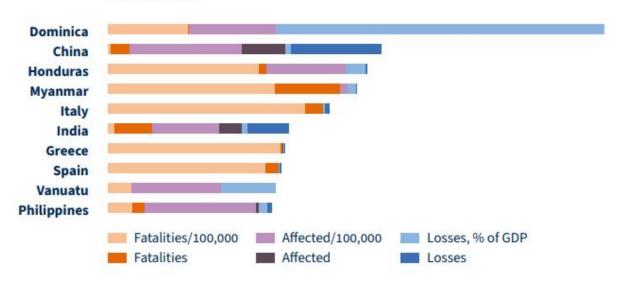
- Published since 2006.
- **Published by** *German watch*, a non-profit organization.
- Climate Risk Index It is one of the longest running <u>annual climate impact-</u> related indices.
- It uses the data from:
 - Emergency Events Database (EM-DAT) international disaster database.
 - World Bank.
 - International Monetary Fund (IMF).
- **Methodology** It analyses climate-related extreme weather events' impacts via <u>3</u> 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 <u>each in absolute</u> <u>and relative terms</u>.

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 <u>6th</u> 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 cli- mate 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. <u>Down to Earth India among Top 10 Countries</u>
- 2. Germanwatch| Climate Risk Index 2025
- 3. Germanwatch Pdf | Countries Most Affected in Last 3 Decades

