Climate Risk Index

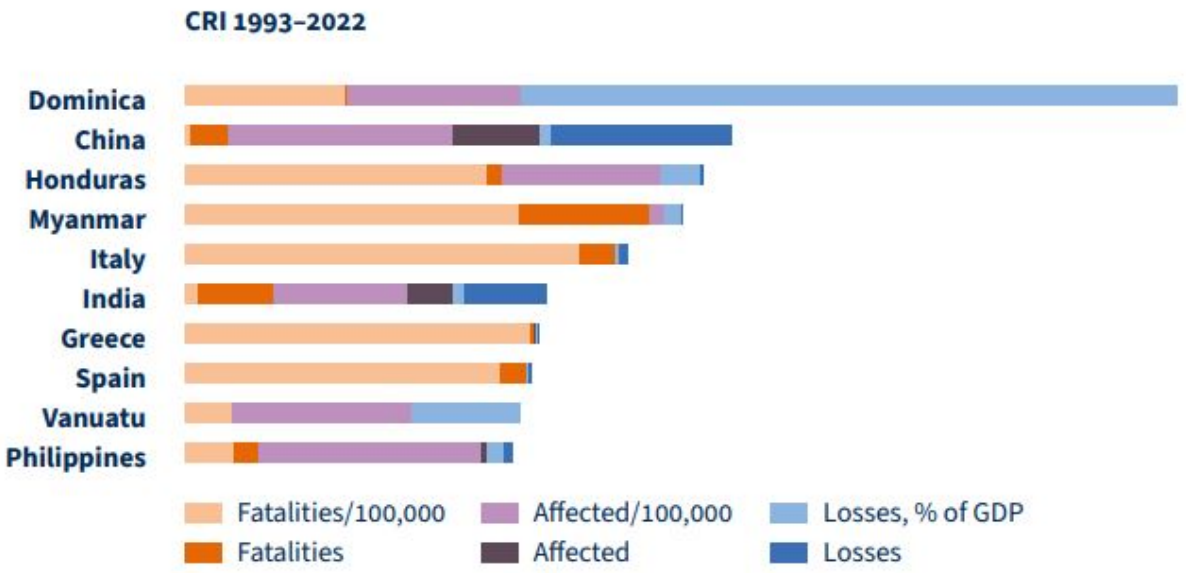
Why in News?

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*.



- **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).



- **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 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. 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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