

The Disaster Management Analysis

By Walter Andrés Paz Callizo



Executive Summary



This proposal focuses on the establishment of partnerships with other international organizations regarding the initiation of environmental destruction brought about principally by big companies. Such associations would embark on working with the corporations to develop an understanding of best environmental management practices and to further shared initiatives towards ecologically friendly practices. Whereas individual civilians engage in essential environmental-friendly practices, the big businesses are the general culprits of environmental destruction.

It is recommended that international leadership engage in massing environmental organizations and climate activists to call for stricter policies, such as environmental taxes or fines that will be imposed on companies found practicing unsustainably. In doing so, financial demands would compel companies to seek out new ideas or else face economic consequences, by consequence reducing the impact of environmental damage greatly. The proposal insists that the counterbalancing of corporate accountability with public participation offers a workable system toward effective achievements in the fight against climate change.

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Introduction



Large corporations' negligence and damage to the environment have made combating climate change one of the central issues that global organizations, governments, and concerned citizens are focusing their efforts on. It has become clear in the recent years that to mitigate a lot of disasters coming up, as well as damage to ecosystems, it has to be a combined effort that not only educates and holds large corporations accountable but also persuades global citizens to practice sustainability. It requires strategic alliances by global organizations and corporations, supported through stringent policy and incentives, to reduce irresponsible business activities and ensure more sustainability in the future.



Results for Disasters

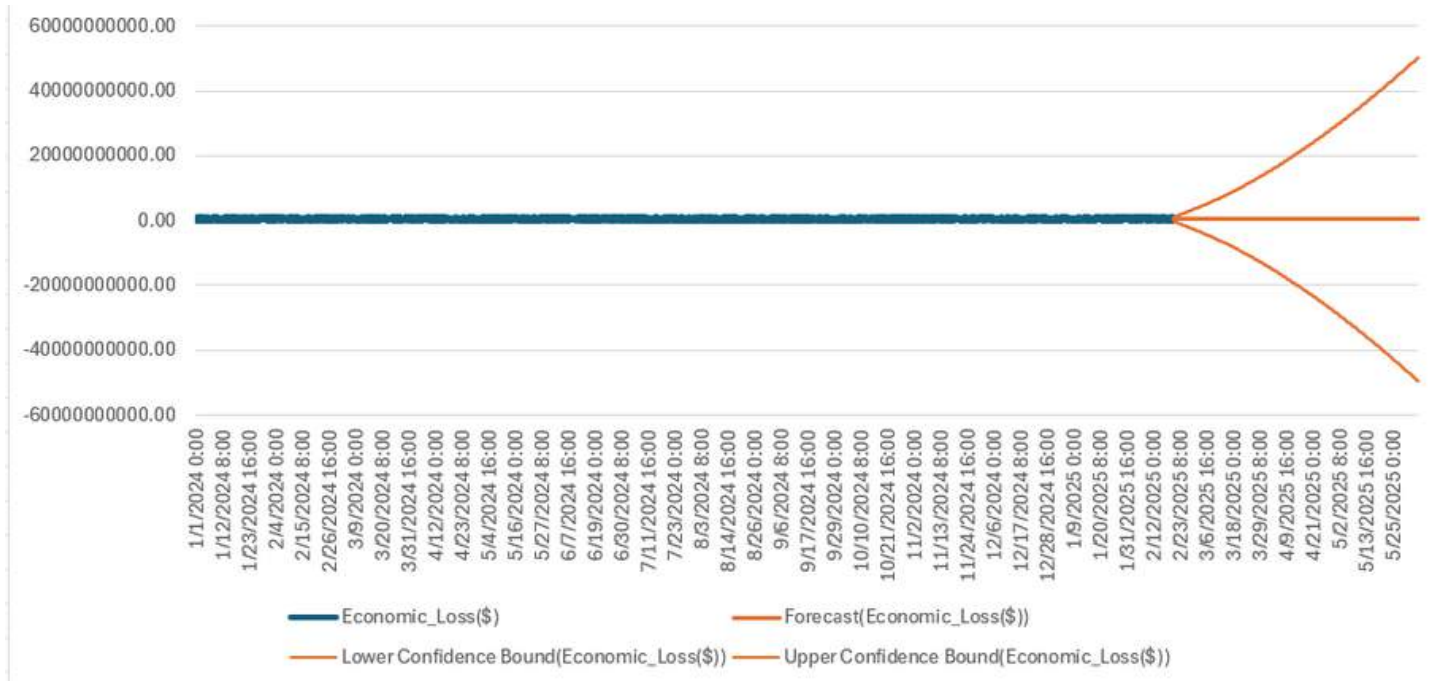


After a long process of identifying the predictions among the loss in economical values for the various amounts as a conglomerate based on dates, loss and other targets has certainly changed the preparation worldwide for the **2045 Agenda on the Environmental and Human Impact for the World's Agenda** upon the information provided by the contingency plans made by the various nations worldwide (Mc Pherson, S.M., 2024).

Microsoft Excel's predictions, **Tableau's Visualizations** and the Segmentation through **SQL** helped visualize better the results as many of the values keep consistently on a mere basis of the changes upon the confidence intervals of 95 percentage and the metrics conceived before giving more sense to an ongoing values in economical loss due to the detonation of a wide variety of the causes for the huge disaster destroying the ecosystems because of the harm humans have done to the nature and it's resources.



Results for Disasters



Data Visualizations for the **Growth upon the Economical Loss** due to the constant increase in **Natural Disasters**.

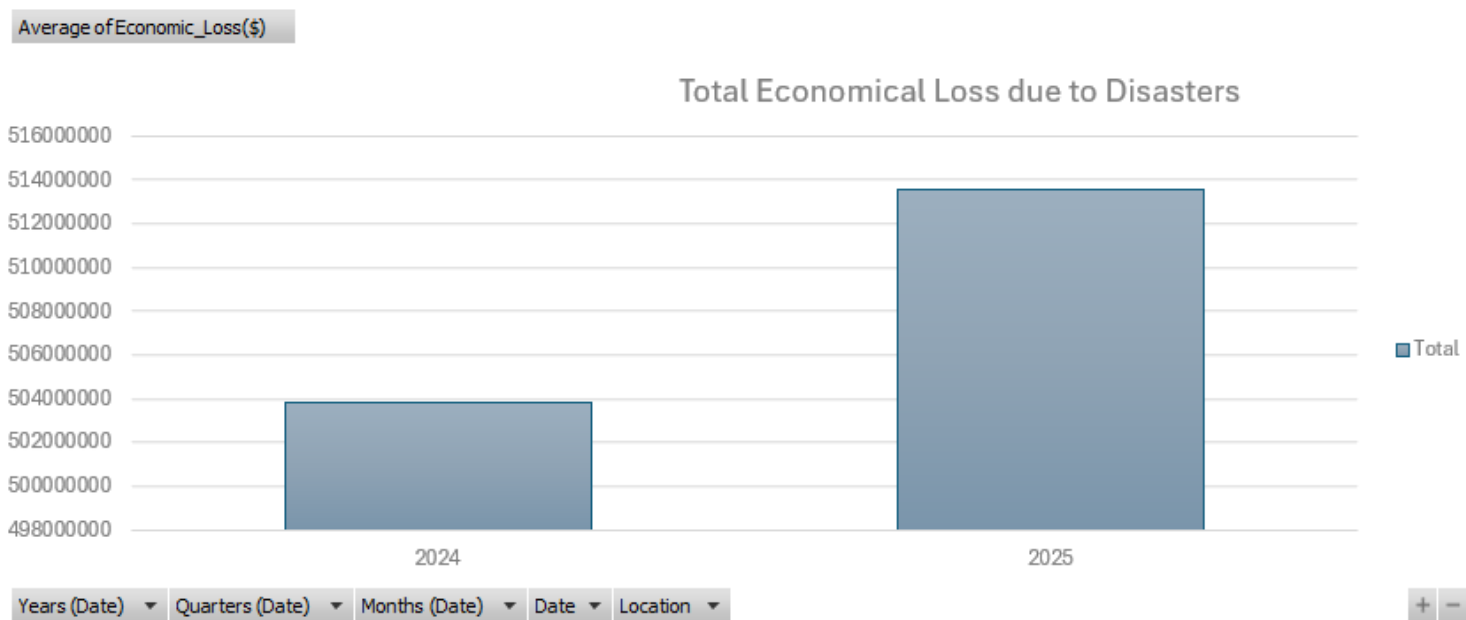
The reason which many of the values are continuous in the growth is due to fact this analysis is not Quarterly (Q1, Q2,Q3 and Q4) is not seen exclusively as recurring to the values daily it looks less inconsistent but visually there is not general changes.



Results for Disasters



Additionally, if we consider the fact that the segmentation for the most affected “big” countries with impact in the Climate Change’s Agreement for Paris for the zero net emissions of Carbon Dioxide in the entire planet as the main cause of the possible Natural Disasters it definitely showcases the **Carbon Dioxide’s (CO2) effect** in the next one-hundred years for the World’s accidents and disasters (Organization for the United Nations (OUN), 2024).



Results for Disasters



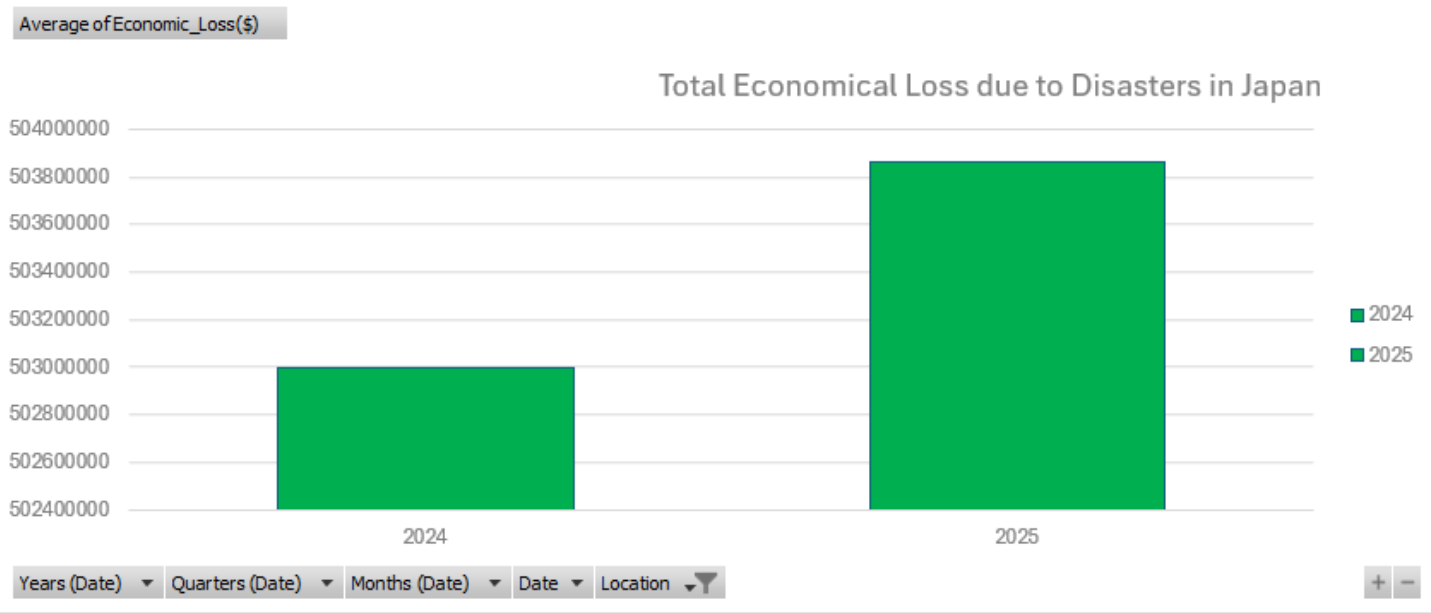
As a matter of fact, it is essential to have the constant identification of different scenarios and countries compared within various values as a conglomerate for the disasters on average using the highest amount of the cleaning of the data focused on projects for preparation demonstrating to authorities the most valuable assets for the countries ideal techniques in contingency plans.

Average of Economic_Loss(\$)

Total Economical Loss due to Disasters in USA



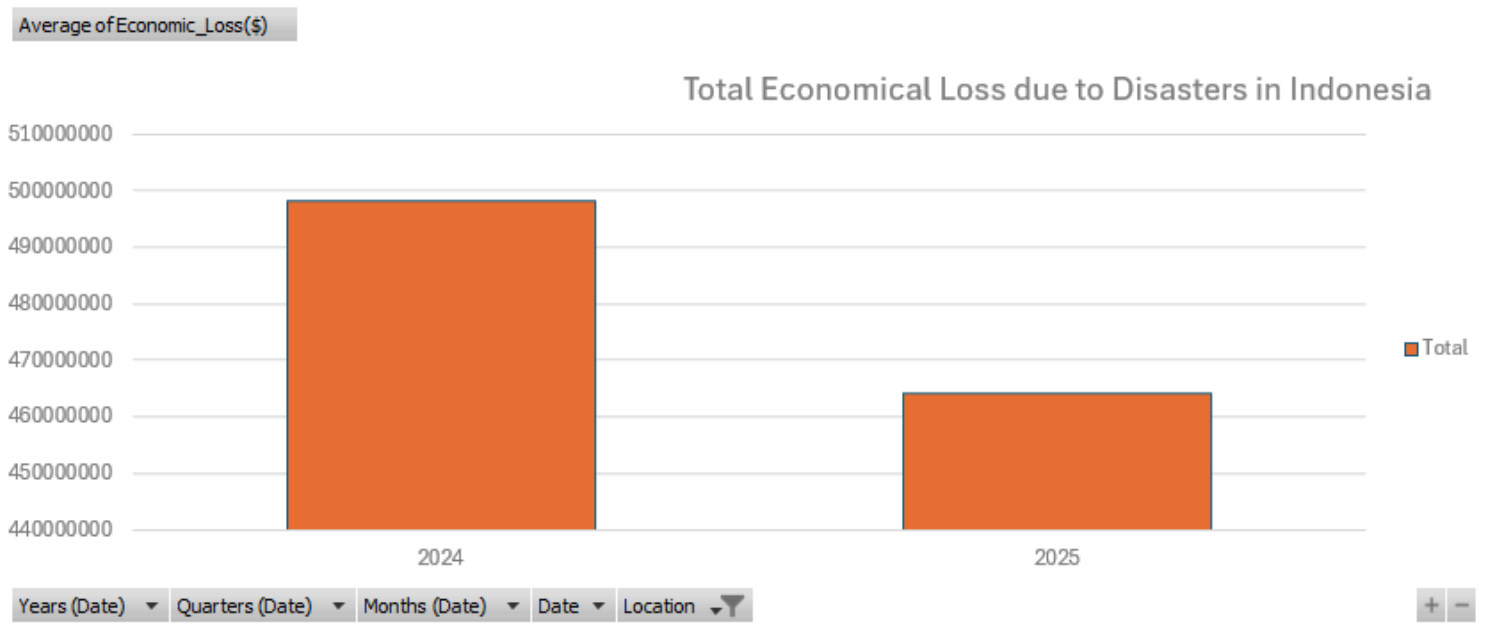
Results for Disasters



Japan's efforts into the constant growth for the improvements can still has a major projected loss for 2025 because of the many possible disasters into the loss, nonetheless, being one of the best countries in the world in measures of saving lives from a great contingency plan.



Results for Disasters



Indonesia's projections upon disasters is still lower than current damages which convey into the country due to the amount of disasters proposed every year and plans to cover them before they can even happen.



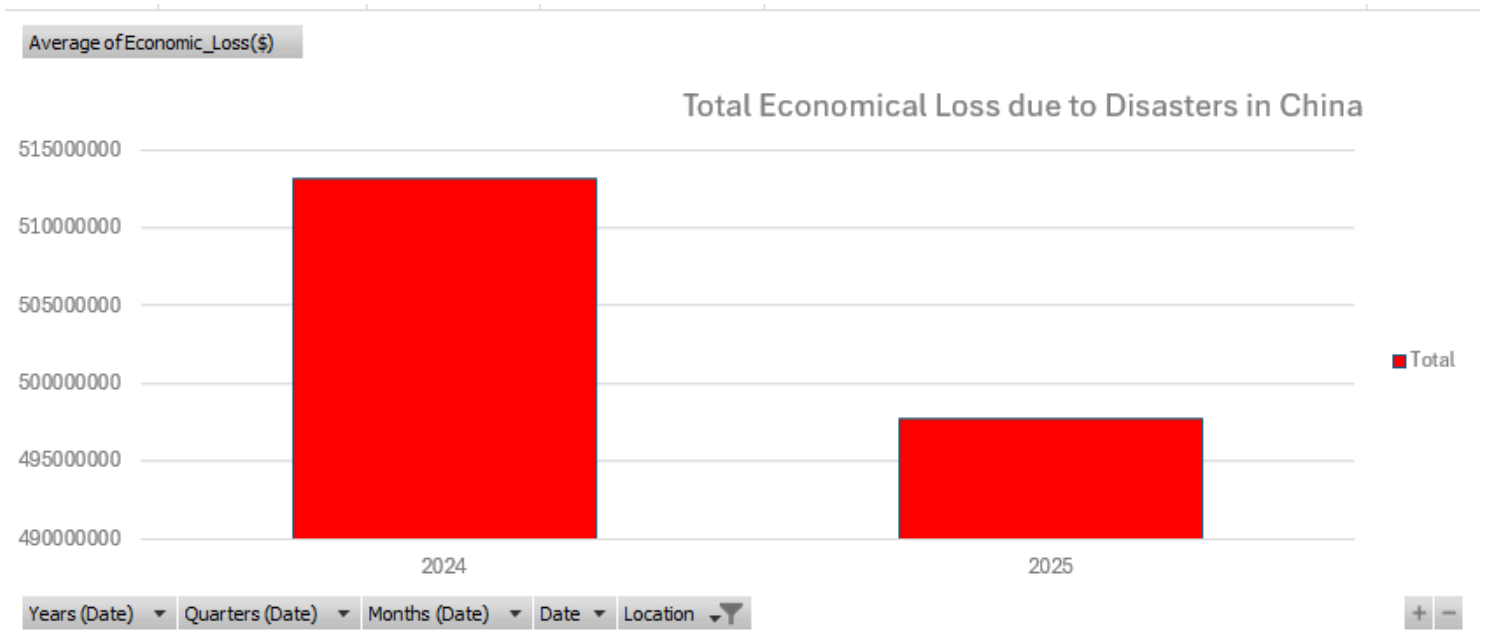
Results for Disasters



India has great coverage currently with disasters, nonetheless, the impact of the aftermath in one of the most populated countries globally alongside of **China** becomes a world powerhouse with massive plans for growth in security for their population.



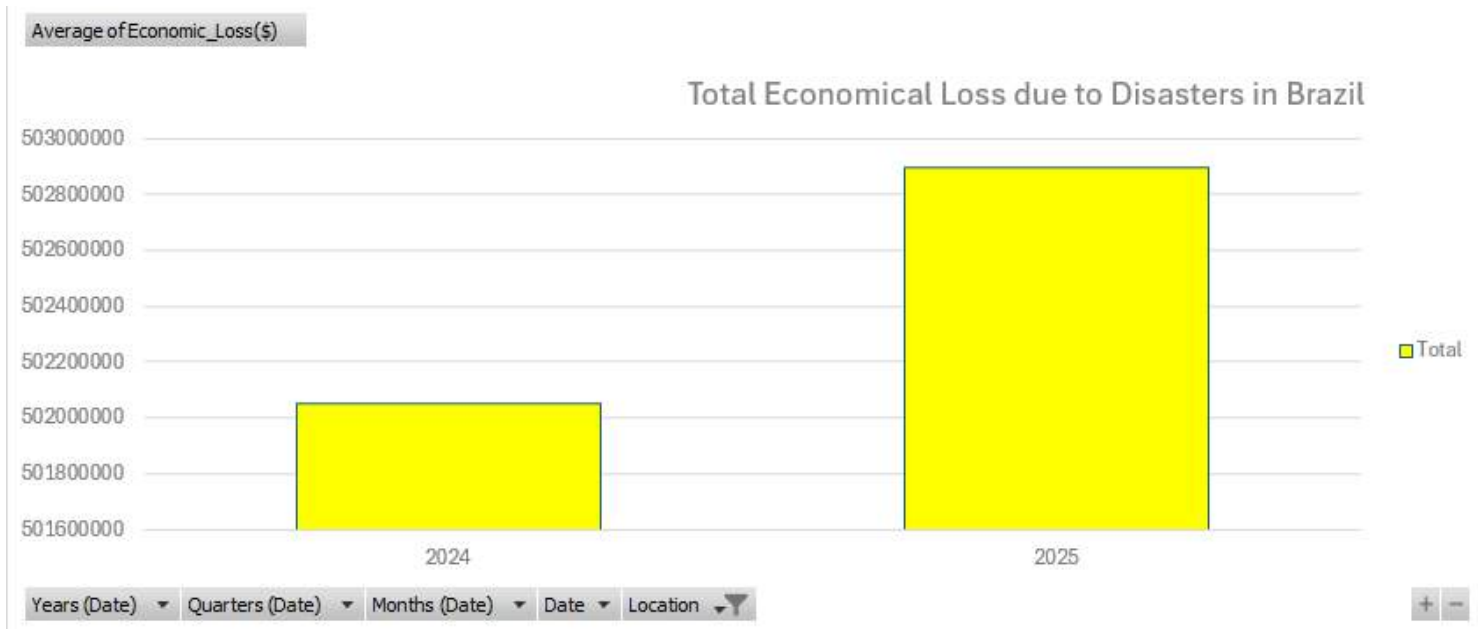
Results for Disasters



China has a major loss after impacts of the nature in the demographically largest country globally where the loss of lives and infrastructure is presenting almost **515000000 United States of America's Dollars (USD)** in economical loss in 2024 after Natural Disasters in the Oriental country, nonetheless, it is still projected for **2025** to have a similar loss of **5000000000 USD**.



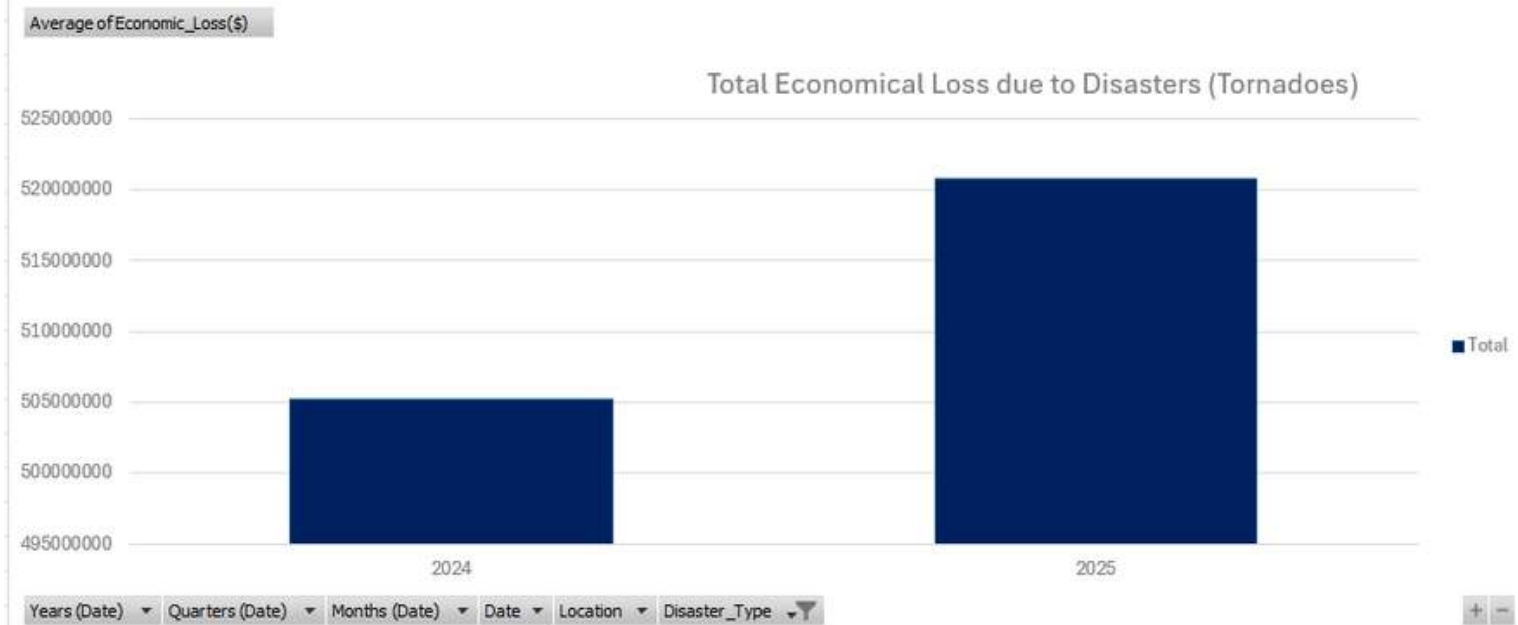
Results for Disasters



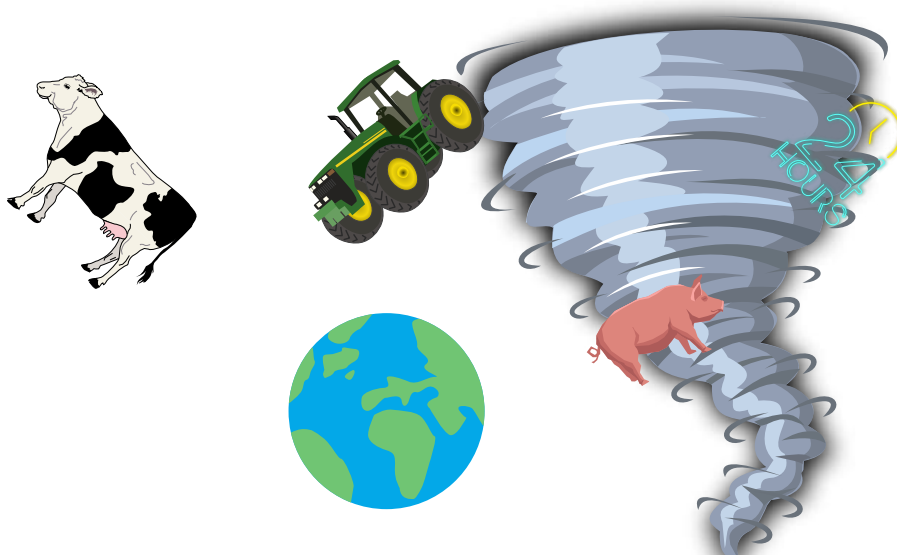
Brasil coming from a huge wild fire in the Amazon forest after issues with foreign companies and president's Jair Bolsonaro's administration which had ups and downs notably where Brazil's nature was terribly destroyed (Jones, B., 2022). However, there is a potential loss of 502800000 in United States of America's Dollars (USD) on averages after some crisis started since 2020.



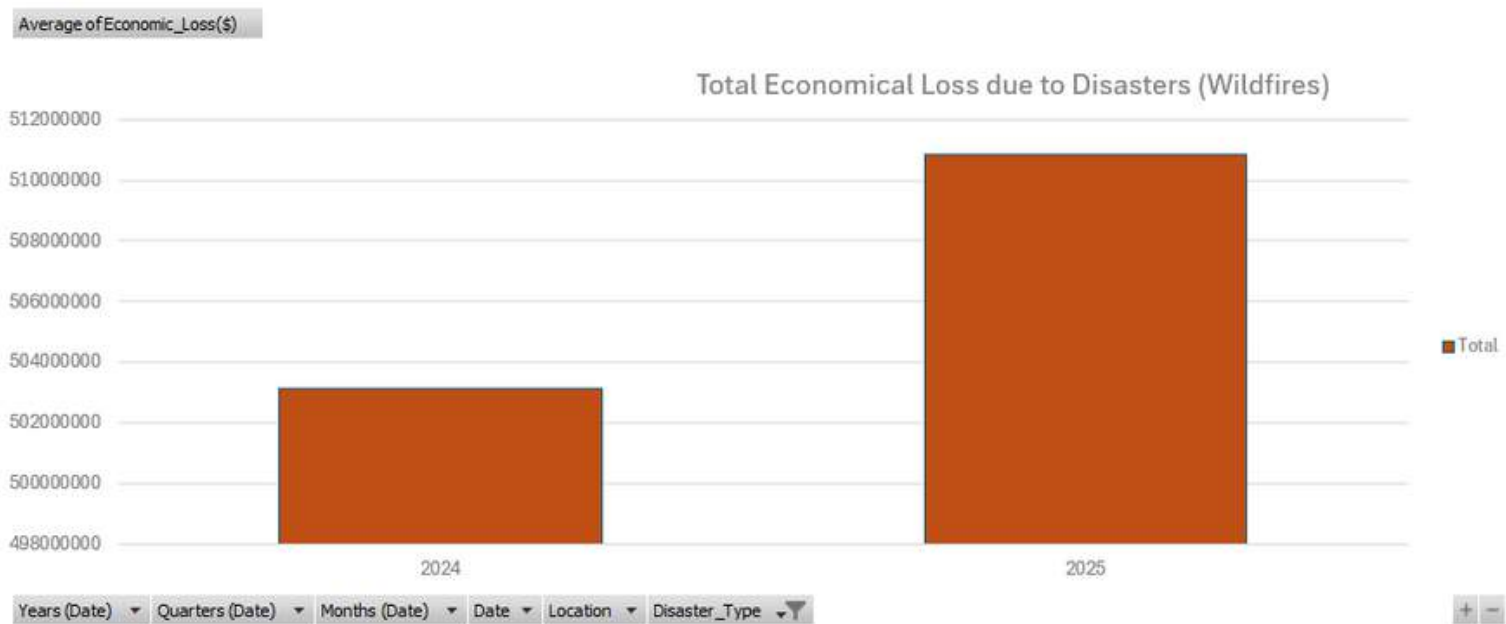
Results for Disasters



Tornadoes are some of the largest loss implications for the growth in economical loss as the tornadoes inducted by the wind changes, hurricanes and other heating for the Global Warming effects does become one of the highest loss in property and effects of a loss of over 5200000000 United States of America's Dollars (USD) in the measurements of having to deal with high speed winds generated into funnels.



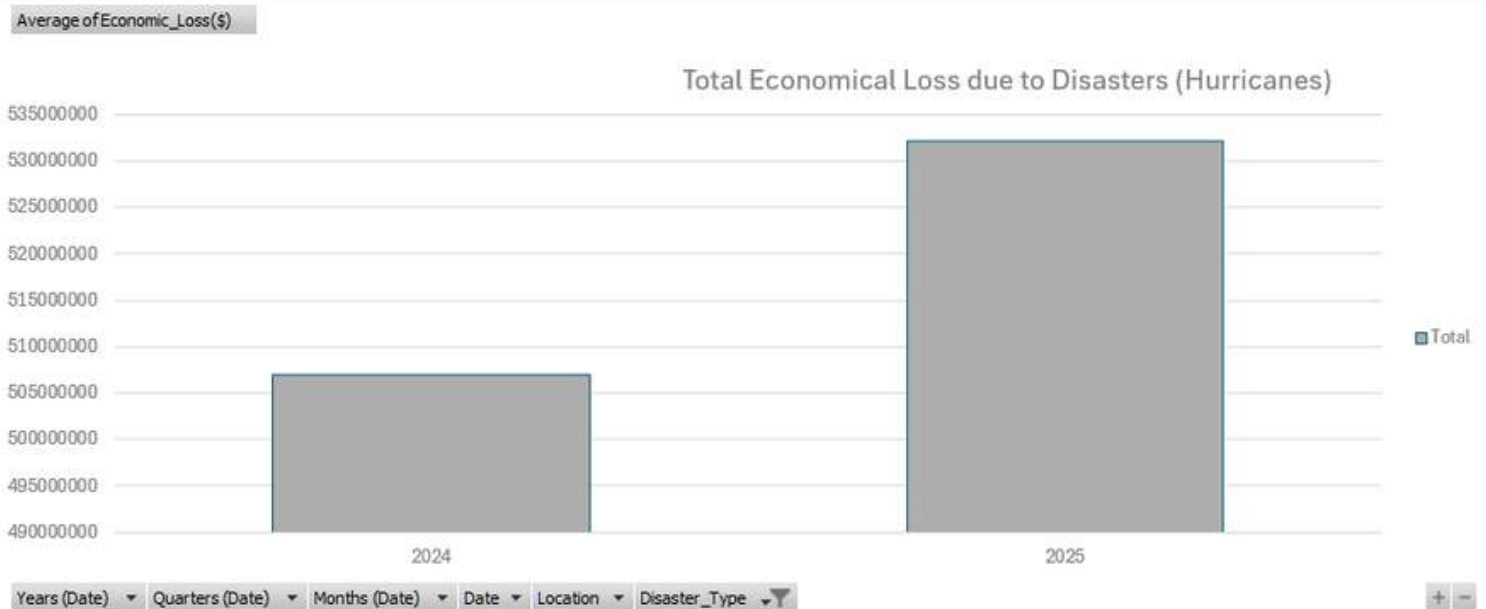
Results for Disasters



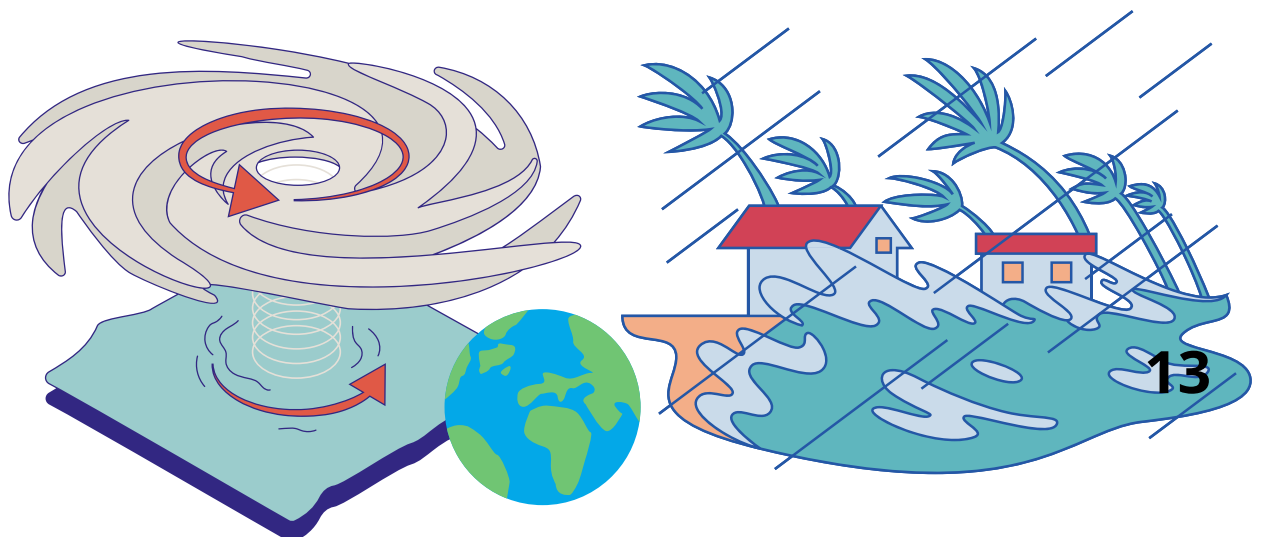
Wildfires remain as one of the highest losses in United States of America's Dollars (USD) as it conducts an average loss for the year 2025 of at least 5100000000 United States of America's Dollars (USD). The constant heating in the atmosphere yearly can heat up the planet causing ease to the fact fires are produced without such complications.



Results for Disasters



Hurricanes with phenomenon's like "El Nino" and "La Nina" globally plus the wind changes in the coast-lines are some of the most catastrophic disasters considering the yearly's peaks for the hurricane seasons which has been part of the consequences for the disasters (The Weather Network, 2024).



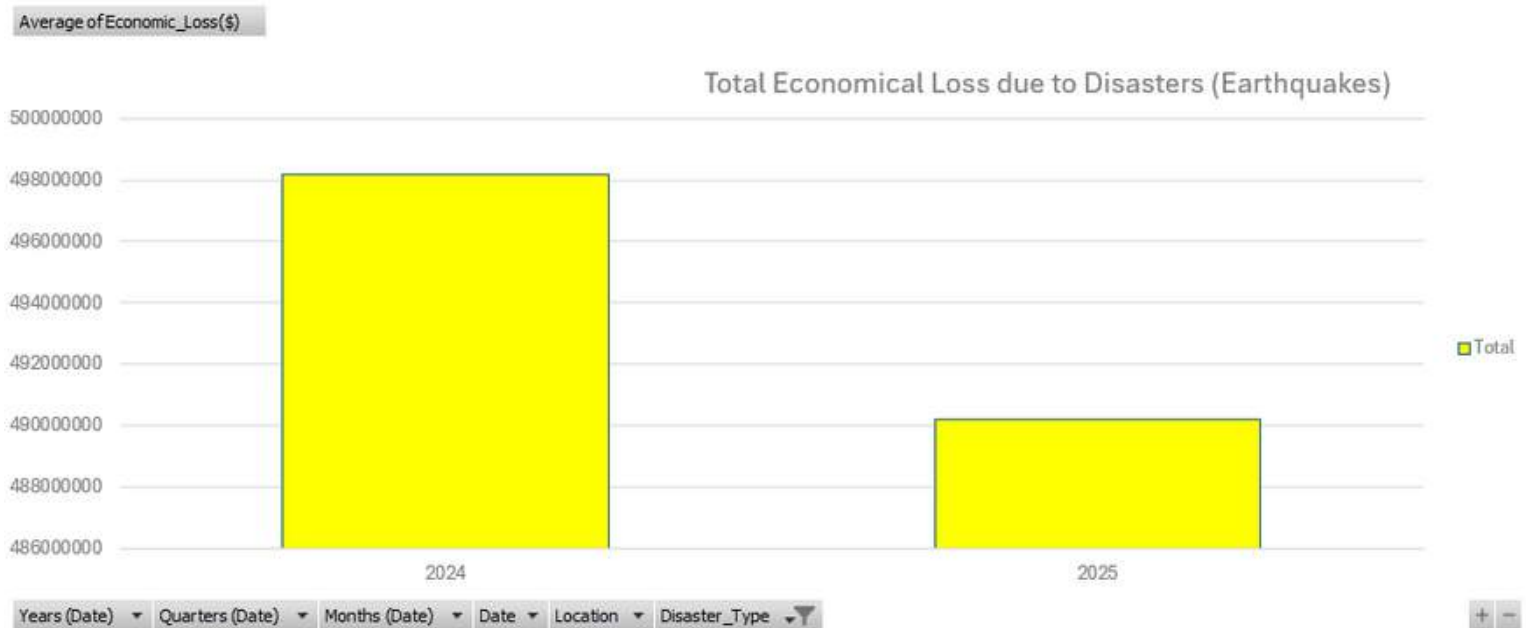
Results for Disasters



Floods caused by massive rainstorms are common due to the polar melting and the devastation out of the destruction among the issues with Global Warming as mostly places without much heavy rainstorms, cyclones, water caused by tsunamis and other anomalies have constantly being a cause of destruction to millions of habitants in big and smaller cities such the last hurricane in North Carolina, United States of America (USA), named, hurricane Helene and Milton at Florida, USA (Burch, A.D.S., Medina, E. & Selig, K., 2024).



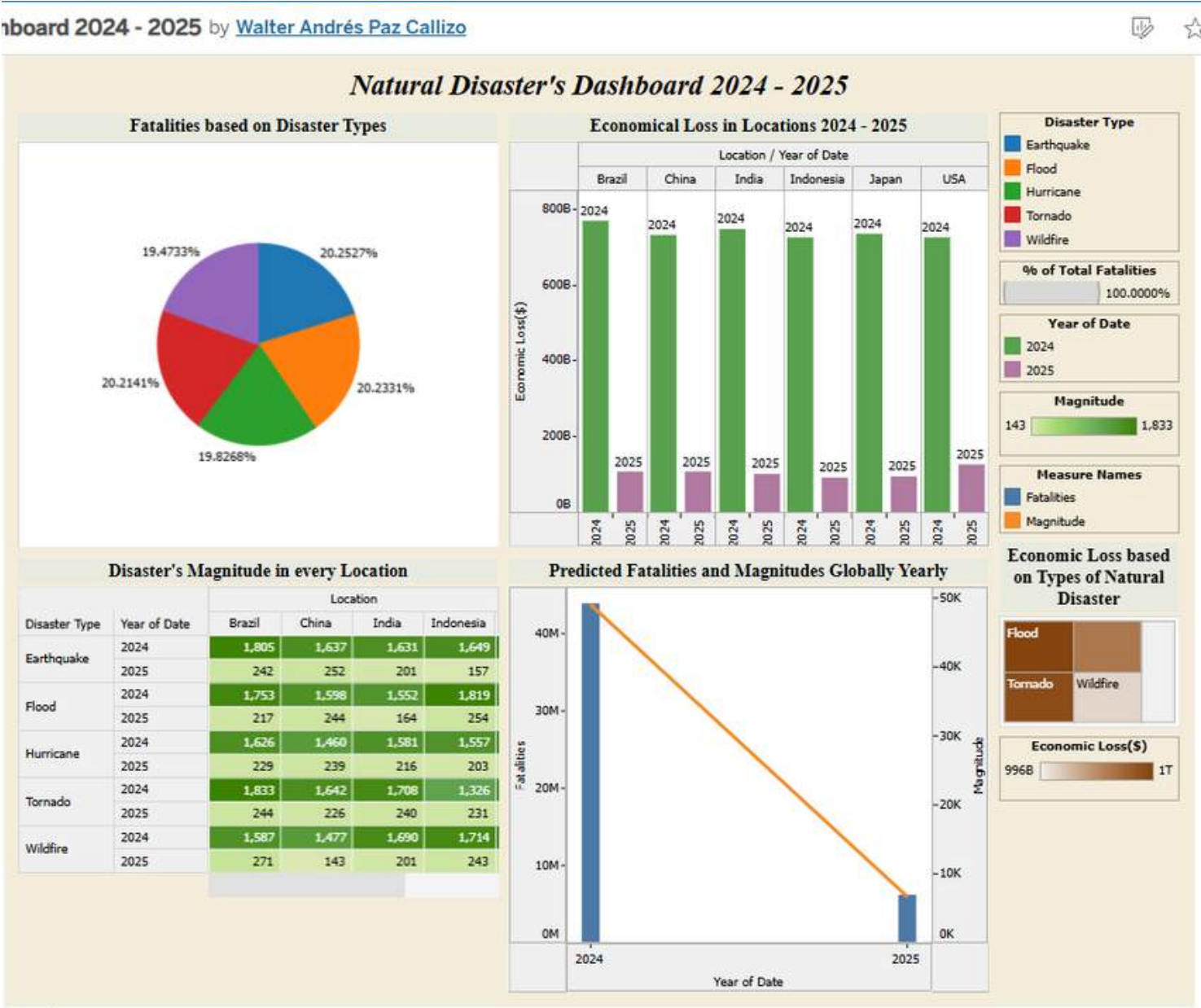
Results for Disasters



Earthquakes caused by the movement of the tectonic plates has been under scrutiny due to any circumstances of a higher magnitude in Richter's Scale. However, in this past year the most affected countries for the Earthquakes in economical loss of at least **5,470,000,000 United States of America's Dollars (USD)** between 2024 and 2025.



Results for Disasters

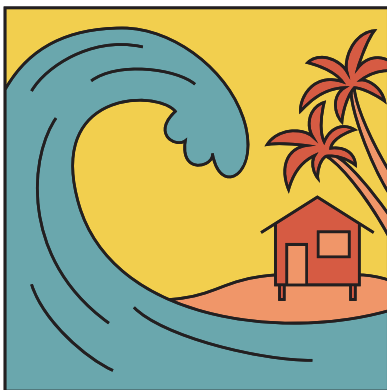


Results for Disasters



Dashboard Link: Paz Callizo, W.A. (2024). Natural Disaster's Dashboard 2024 – 2025.
<https://public.tableau.com/app/profile/walter.andr.s.paz.callizo/viz/NaturalDisastersDashboard2024-2025/Dashboard1?publish=yes>

As an overall, it is noticeable the growth among the catastrophes in huge countries such as the **United States of America (USA)** with a sum of Economical Loss in Properties and other components due to a large amount of Floods, Hurricanes and Tornadoes since the harm to the environment is now returning back to humans with more disaster's losing at least **1,060,000,000 United States of America's Dollars (USD)**, next comes **China** with a similar loss of **1,005,000,000 United States of America's Dollars (USD)**.



Results for Disasters



In third place the country of **India** has the most economical loss as a total based on the amount of debris and property damage caused by these critical events where the loss expands to at least, **1,040,000,000 United States of America's Dollars (USD)**, **Brazil's** economical loss between the turmoil with the Amazon's Forest Wildfire and other causes such as Floods in the Southern Region of the South American country has an amount of **1,004,800,000 United States of America's Dollars (USD)**, next is **Japan** with an estimate of **1,006,800,000 United States of America's Dollars (USD)** and **Indonesia** as the country with less cost in loss for the **940,000,000 United States of America's Dollars (USD)** where it is in dollars as monetary loss because of the natural disasters.

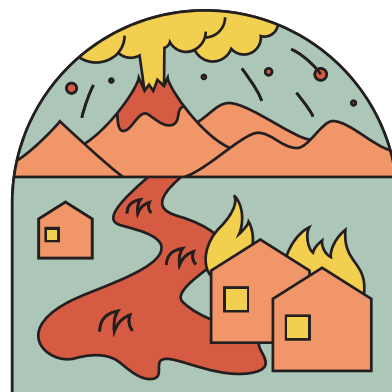


Results for Disasters



From all the disasters the predominant one is the **Flood's** as heavy rains and other disasters like **Hurricanes or Cyclones** produce heavy winds bringing precipitation into the areas affected with an average loss in properties of **5,624,000,000 United States of America's (USA) Dollars (USD)**.

Furthermore, the **5,530,000,000 United States of America's (USA) Dollars (USD)** loss in **Wildfires** as a second place in the most losses since most of the forests burning are caused by human errors and other unfortunate factors. **1,035,000,000 United States of America's (USA) Dollars (USD)** of loss in **Hurricanes or Cyclones** (Similar but not the same accounting as Flood's).

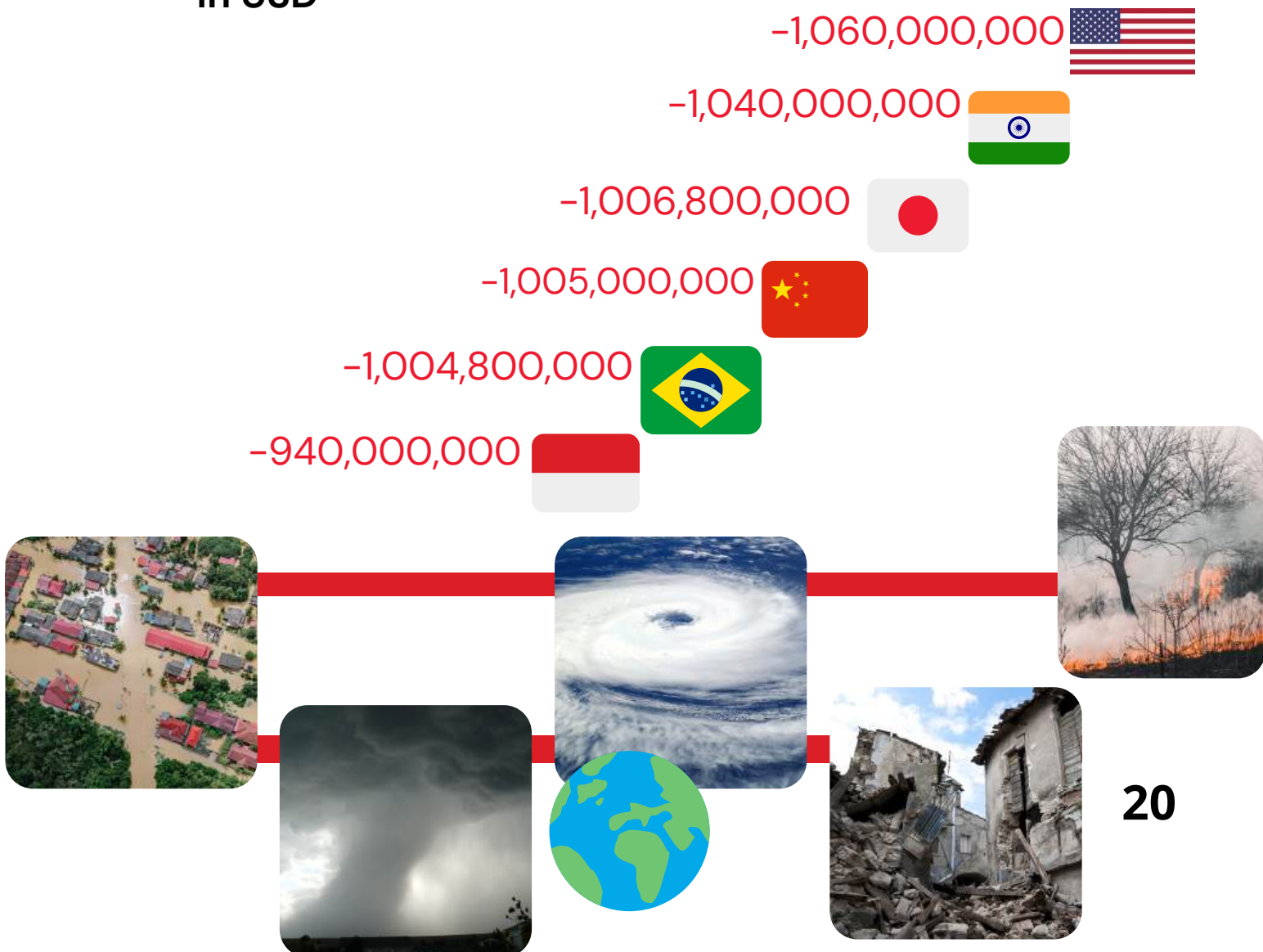


Results for Disasters



The last two disasters in accountability for the process of idealizing a common point into the breaching for the growth in preparation for the **Natural Disasters Management Campaigns** is the **Tornadoes** with a loss of **1,025,000,000 USD** while the **Earthquakes** conduct a loss of **5,470,000,000 USD**.

Most impact in loss and economy for **countries**
In USD*

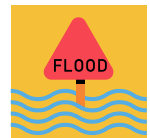


Results for Disasters

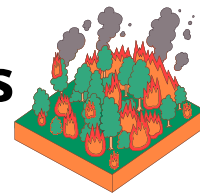


Most impact in loss and economy for **Natural Disasters**
In USD*

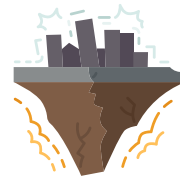
-5,624,000,000 **Floods**



-5,530,000,000 **Wildfires**



-5,470,000,000 **Earthquakes**



-1,035,000,000 **Cyclones**



-1,025,000,000 **Tornadoes**

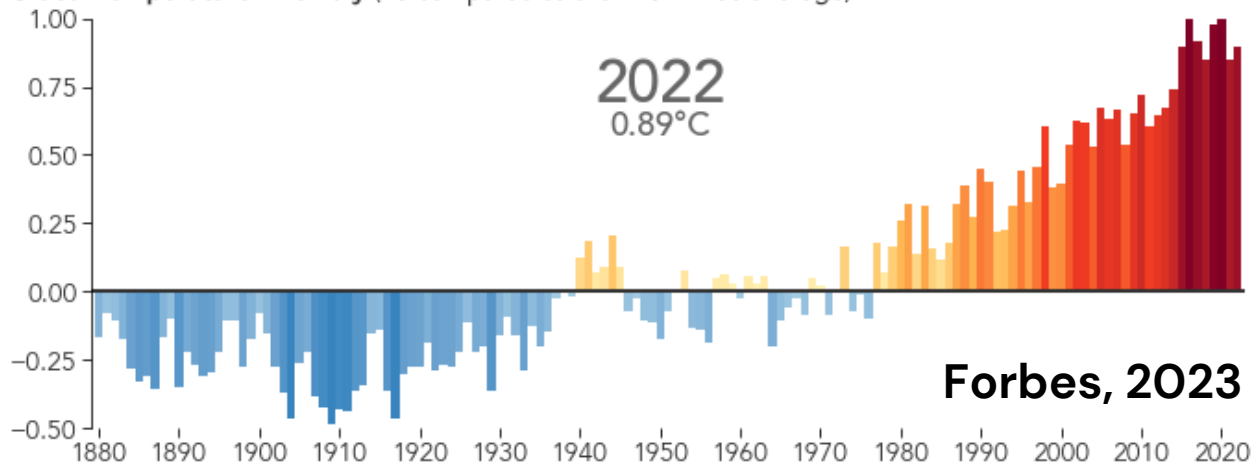


Recommendations

Some of the essential recommendations for the growth focusing among the factors such as types of the disasters, country, loss and other key considerations like dates for target values.

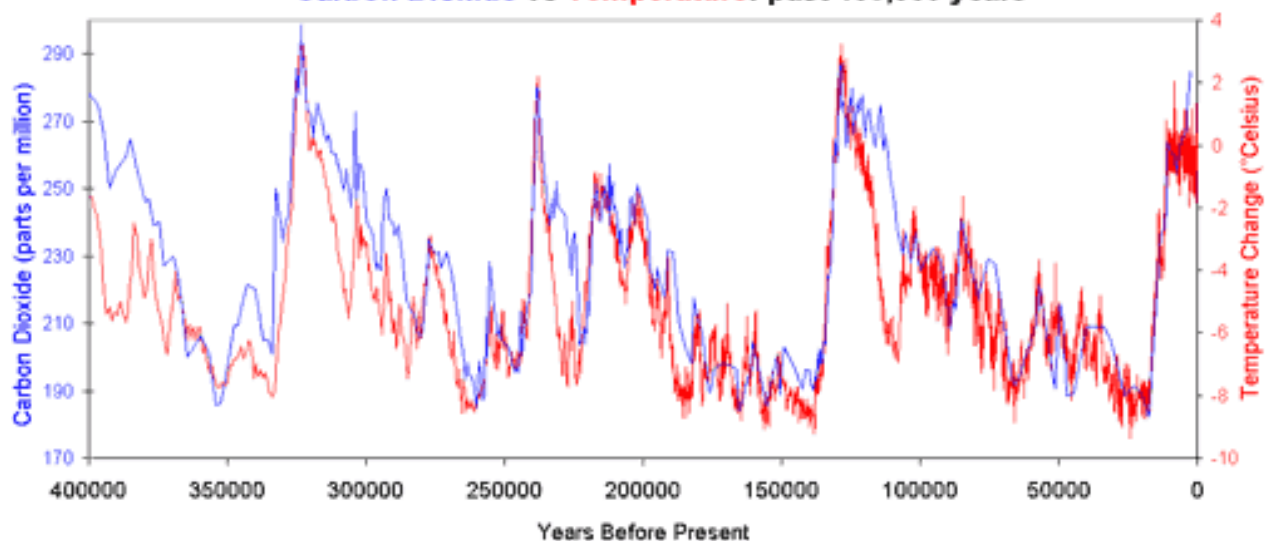
Last 9 Years Warmest on Record

Global Temperature Anomaly (°C compared to the 1951-1980 average)



Global Changes in Temperature

Carbon Dioxide vs Temperature: past 400,000 years



Research Gate, 2023



Recommendations

Creation of alliances with global organizations for the suggestion of planning and cooperative approaches towards the education of the large companies responsible for the most part of the damage into the ecosystems and the planet globally is one of the main targets for the solutions on many Natural Disasters, nonetheless, approaching to the common civilians is necessary for the responsible measurements taken for every step in the closing of any issues regarding the Climate Changes and brutal disruptions towards nature commonly seen.

Another recommendation for the global leaders, volunteers, climate change agents and organizations related to the improvement of the planet it is definitely essential to make hard policies against companies harming the environment with taxes which make them step into action at least to reduce their attempts to prefer the irresponsible commercialization and for sure it will impact in their efforts as they will have to either reinvent or keep on paying higher amounts in taxes until they solve the issues mostly created by big enterprises and corporations. People still have to improve their environmental practices, nevertheless, the ones to blame are mostly huge companies rather than pointing fingers at civilians.

Conclusion



In conclusion, addressing climate change and natural disasters requires a dual approach: creating global alliances to hold corporations accountable while empowering individuals to adopt responsible environmental practices. By imposing stricter regulations and financial penalties on corporations that harm the environment, global leaders can push for real change. However, both corporate reform and civilian engagement are essential to creating a more sustainable and resilient planet for future generations.



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DANGER!

