

Precis: Potential climate change related disasters in ocean

Climate change in recent years has raised great concerns about its potential effects on climate disasters, including tsunamis, tropical cyclones, and to the most severe level, sinking the whole country. The World Meteorological Organization has reminded us that climate change is expected to increase the proportion of major tropical cyclones worldwide, and to increase the heavy rainfall associated with these events. Also, due to the sea level rising, several countries in the world such as Tuvalu and Kiribati, had already found the necessities for climate migration planning. Those facts are revealing that climate change related disaster need to be greatly concerned in global level.

Other than reducing CO<sub>2</sub> and other greenhouse gas emission, in order to reduce the effects of climate change disasters, some vulnerable countries, such as pacific island countries, could potentially take actions to mitigate the loss of those climate related disasters, such as building seawalls, planting mangrove trees, and improve the drainage systems. Those steps are all with comparatively low cost which could be more feasible for the vulnerable countries to mitigate the economic and social loss of climate related disasters. Eventually, if climate migration could be unavoidable, making plans as early as possible could also be a helpful way to minimize the loss.

Haoxuan Liang, 02/13/2023

Climate change: Hurricanes and cyclones bring misery to millions, as Ian makes landfall in the US | UN news. United Nations. <https://news.un.org/en/story/2022/09/1128221>. Accessed February 13, 2023.