ACADEMICIA: An International Multidisciplinary Research Journal

ISSN: 2249-7137 Vol. 12, Issue 03, March 2022 SJIF 2022 = 8.252 A peer reviewed journal

THE "FIRST CLIMATE CHANGE FAMINE" FROM 2017-2022?- AN ANALYSIS OF THE ECONOMICS AND GEOGRAPHY OF GREAT SUD DROUGHT OF MADAGASCAR (1901-2021)

Dr. Priyanka Puri*; Vaibhav Puri**

*Associate Professor,
Dept. of Geography, Miranda House, University of Delhi,
Delhi, INDIA
Email id: priyanka.puri@mirandahouse.ac.in

**Assistant Professor,
Dept. of Economics, Sri Guru Gobind Singh College of Commerce,
University of Delhi, Delhi, INDIA
Email id: vaibhav.puri@sggscc.ac.in

DOI: 10.5958/2249-7137.2022.00184.7

ABSTRACT

Islands of the world are facing unprecedented impacts of climate change. Rising temperatures and consequent increasing sea levels have questioned the very existence of these islands and forward a severe threat to their resources. In this regard, the island of Madagascar is not an exception. Southern Madagascar or Great Sudis facing an unprecedented drought which has exacerbated in the last four years, becoming pronounced in 2021 and 2022. It has landed the part of the country into emergency now and has converted the region into a dust bowl. The situation is turning to what has been described as the "first climate change famine" by the UN and the year 2022 is observing a similarity of conditions. The current examination attempts to examine the question whether the catastrophe is human or climate induced or both? This has been attempted through a detailed examination of rainfall patterns and trends and an inspection of economic and political scenario of the country. Our analysis indicates that rainfall does exhibit a fluctuating trend in the region, but there definitely exist other factors than geography in creating this precarious situation for the country.

KEYWORDS: Climate Change, Drought, Economics, Madagascar, Rainfall

REFERENCES-

- **1.** Dresch, J. (n.d.). Retrieved 2022, from https://www.britannica.com: https://www.britannica.com/place/Madagascar
- **2.** Online, N. (n.d.). Retrieved 2022, from https://www.nationsonline.org: https://www.nationsonline.org/oneworld/madagascar.htm
- **3.** Fund, WW. (2022). Retrieved 2022, from https://www.worldwildlife.org/places/madagascar.
- **4.** Goodman SM, Jungers W L. (2014). *Extinct Madagascar: Picturing the Island's Past*. University of Chicago Press.

ACADEMICIA: An International Multidisciplinary Research Journal

ISSN: 2249-7137 Vol. 12, Issue 03, March 2022 SJIF 2022 = 8.252 A peer reviewed journal

- **5.** Programme WF. (2022). Retrieved 2022, from https://www.wfp.org: https://www.wfp.org/countries/Madagascar?utm_source=google&utm_medium=cpc&utm_c ampaign=12704015953&utm_content=123511674387&gclid=EAIaIQobChMIl_6B38vb9gI VOpFmAh1phQB4EAAYASAAEgLRMvD_BwE&gclsrc=aw.ds
- **6.** Kouame K. (n.d.). Retrieved 2022, from https://allafrica.com: https://allafrica.com/stories/202202270027.html
- **7.** Mongabay. (2020, December). Retrieved 2021, from https://news.mongabay.com: https://news.mongabay.com/2020/12/top-environment-stories-from-madagascar-in-2020/
- **8.** USAID. (2022, February). Retrieved 2022, from https://www.usaid.gov: https://www.usaid.gov/madagascar/environment
- **9.** Ravi A. (2021, July). Retrieved 2022, from https://www.downtoearth.org.in: https://www.downtoearth.org.in/news/climate-change/climate-crisis-madagascar-drought-worsens-77964
- **10.** Administration NA. (n.d.). Retrieved 2022, from https://earthobservatory.nasa.gov: https://earthobservatory.nasa.gov/images/148636/drought-in-madagascar
- **11.** Tandon, A. (2021, Dec.). Retrieved 2022, from https://www.carbonbrief.org: https://www.carbonbrief.org/climate-change-not-the-main-driver-of-madagascar-food-crisis-scientists-find
- **12.** Taylor A. (2021, July). Retrieved 2022, from https://www.washingtonpost.com: https://www.washingtonpost.com/world/2021/07/01/madagascar-climate-famine/
- **13.** Schlein L. (2022, February). Retrieved 2022, from https://allafrica.com/: https://allafrica.com/stories/202202280136.html
- **14.** Harding A. (2021, August). Retrieved 2022, from https://www.bbc.com: https://www.bbc.com/news/world-africa-58303792
- **15.** Sen A. (1983). *Poverty and Famines: An Essay on Entitlement and Deprivation*. Oxford University Press.
- **16.** Leeuwen BV, Dijkman J. (2019). *An Economic History of Famine Resilience*. Taylor & Francis.
- **17.** ACAPS. (2022, March). Retrieved 2022, from https://reliefweb.int: https://reliefweb.int/report/madagascar/madagascar-food-insecurity-crisis-grand-sud-regions
- **18.** France 24. (2021, December). Retrieved 2022, from https://www.france24.com: https://www.france24.com/en/live-news/20211202-global-warming-not-responsible-for-madagascar-famine-study
- **19.** Janovsky I. (2022, February). Retrieved 2022, from https://theowp.org: https://theowp.org/reports/do-not-forget-about-madagascar/
- **20.** Zocherman J. (2022, March). Retrieved 2022, from https://www.theguardian.com: https://www.theguardian.com/global-development/2022/mar/04/infants-here-dont-know-how-to-eat-millions-facing-famine-in-madagascar

ACADEMICIA: An International Multidisciplinary Research Journal

ISSN: 2249-7137 Vol. 12, Issue 03, March 2022 SJIF 2022 = 8.252 A peer reviewed journal

- 21. Grada OC. (2009). Ó Gráda, C. Famine: A Short History. Princeton University Press.
- 22. Rubin O. (2011). Democracy and Famine. Routledge.
- **23.** IFRC (2022, March). Retrieved 2022, from https://reliefweb.int: https://reliefweb.int/report/madagascar/madagascar-africa-tropical-storms-and-cyclones-operation-update-1-emergency-appeal
- **24.** Yang J. (2022, February). (PBS News Hour) Retrieved 2022, from https://www.pbs.org: https://www.pbs.org/newshour/show/multiple-cyclones-historic-drought-in-madagascar-cause-widespread-food-insecurity
- 25. Team W V. (2022, March 21). 4 years of drought turn Southern Madagascar into a dust bowl.
- **26.** Foundation WA. (2021, July). Retrieved 2022, from https://www.wearewater.org: https://www.wearewater.org/en-IN/madagascar-when-red-wind-means-hunger_341681
- **27.** Service EN. (2022, February). Retrieved 2022, from https://ens-newswire.com/: https://ens-newswire.com/madagascar-trapped-in-cycles-of-cyclones-and-droughts/
- **28.** Worldometer (2022). Retrieved 2022, from https://www.worldometers.info/world-population/madagascar-population/
- **29.** Adventures NH. (2022). Retrieved 2022, from https://www.nathab.com: https://www.nathab.com/know-before-you-go/african-safaris/madagascar/weather-climate/
- **30.** Theodora (2020, January). Retrieved 2022, from https://theodora.com/: https://theodora.com/wfbcurrent/madagascar/madagascar_economy.html
- **31.** Foundation TH. (2022). Retrieved 2022, from https://www.heritage.org: https://www.heritage.org/index/country/madagascar
- **32.** Group AB. (2022). Retrieved 2022, from https://www.afdb.org: https://www.afdb.org/en/countries/southern-africa/madagascar/madagascar-economic-outlook
- **33.** Commission E. (n.d.). Retrieved 2022, from https://ec.europa.eu/: https://ec.europa.eu/international-partnerships/where-we-work/madagascar_en
- **34.** Population C. (n.d.). Retrieved 2022, from https://www.citypopulation.de: https://www.citypopulation.de/en/madagascar/admin/
- **35.** Bank, T. W. (2022). Retrieved 2022, from https://climateknowledgeportal.worldbank.org:https://climateknowledgeportal.worldbank.org/country/madagascar/climate-data-historical
- **36.** Engine C. (2022). Retrieved 2022, from https://climateengine.com/: https://app.climateengine.com/climateEngine
- **37.** Engine GE. (2022). Retrieved 2022, from https://code.earthengine.google.com: https://code.earthengine.google.com/?scriptPath=Examples%3ADatasets%2FUTOKYO_WT LAB_KBDI_v1(n.d.). Retrieved 2022