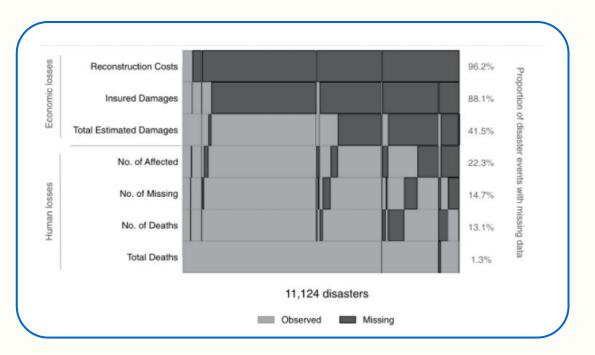


# Natural hazard impacts in the Global South

Taís M Nunes Carvalho

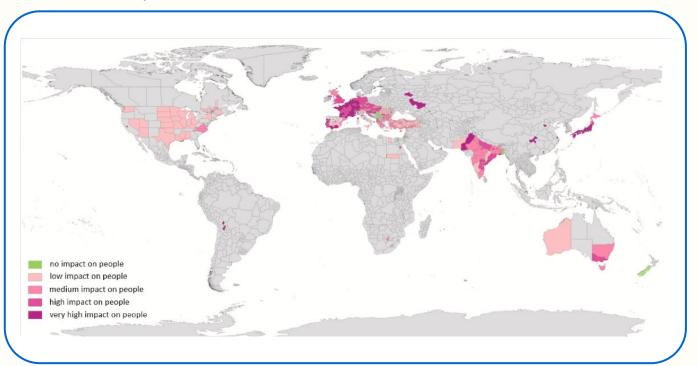
Mariana Madruga de Brito





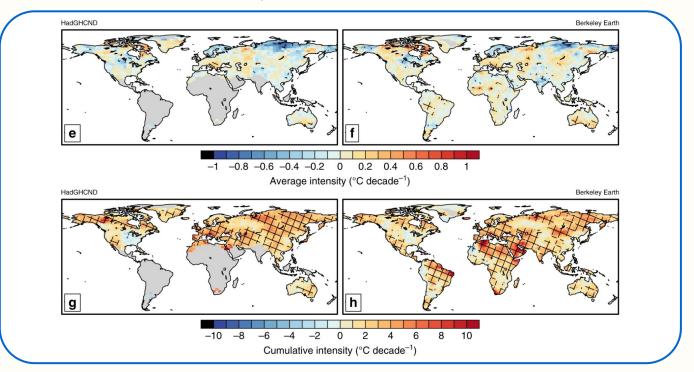
Jones, R. L., Guha-Sapir, D., & Tubeuf, S. (2022). Human and economic impacts of natural disasters: can we trust the global data?. Scientific data, 9(1), 572.

#### Level of impact from heat waves between 2000 and 2020 from EM-DAT



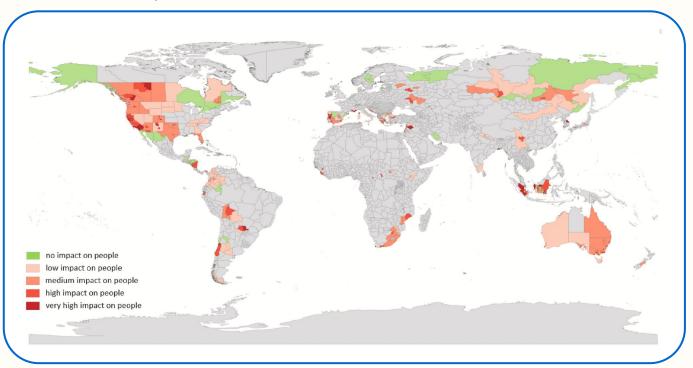
Donatti, C. I., et al. (2024). Global hotspots of climate-related disasters. International Journal of Disaster Risk Reduction, 108, 104488.

#### Av. heatwave intensity and cumulative heat from 1950 to 2014



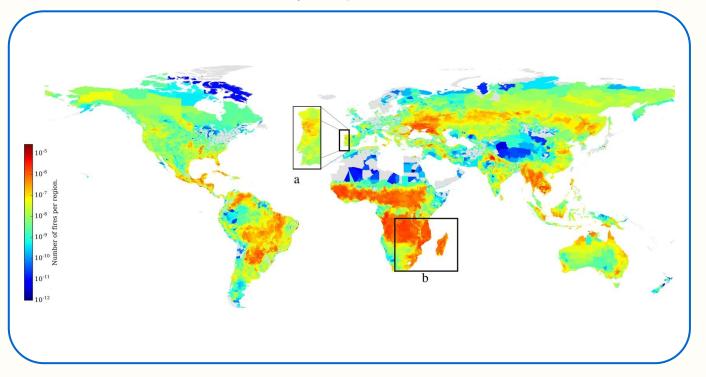
Perkins-Kirkpatrick, S.E., Lewis, S.C. Increasing trends in regional heatwaves. Nat Commun 11, 3357 (2020). https://doi.org/10.1038/s41 467-020-16970-7

Level of impact from wildfires between 2000 and 2020 from EM-DAT



Donatti, C. I., et al. (2024). Global hotspots of climate-related disasters. International Journal of Disaster Risk Reduction, 108, 104488.

Number of fires per region from 2001 to 2017



Artés, T., Oom, D., de Rigo, D. et al. A global wildfire dataset for the analysis of fire regimes and fire behaviour. Sci Data 6, 296 (2019). https://doi.org/10.1038/s41 597-019-0312-2



Period covered by this Operations Update: 1 to 31 January 2010.

Appeal target (current): CHF 16,286,096

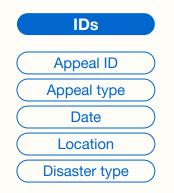


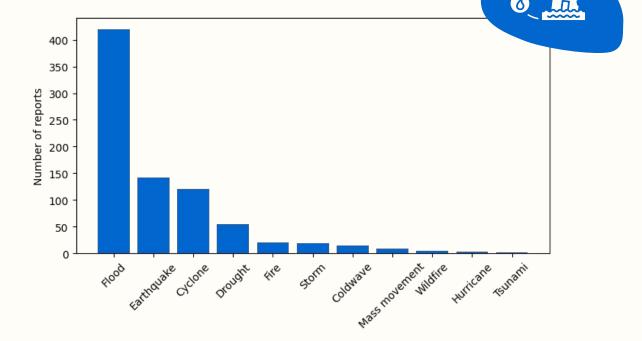
Reports on immediate aid, recovery, and resilience-building in the aftermath of disasters led by the IFRC



ifrc.org/appeals

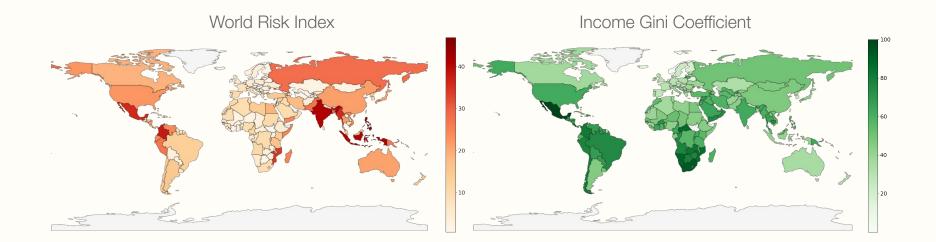
+900 reported disasters from IFRC





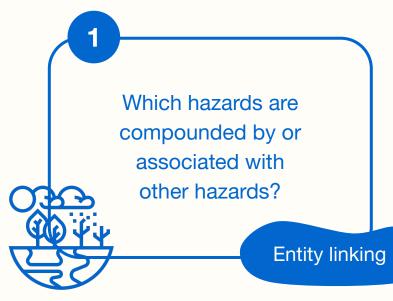
Number of unique disasters per country





+ socioeconomic variables and vulnerability indicators

# **Research** questions



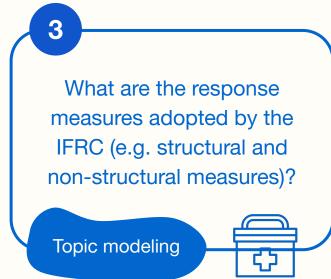
Who are the key stakeholders involved in these operations, and to what extent are local citizens and organizations included?

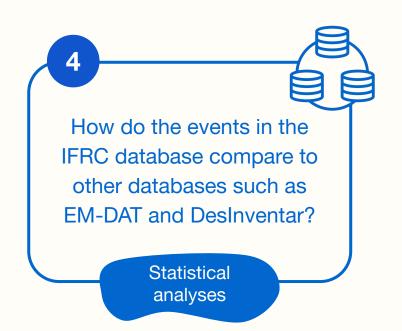
2

Named entity recognition



# **Research** questions





# **Research** questions

5

What is the relationship between vulnerability, hazards, socioeconomic status and the disasters in the IFRC database?

Statistical analyses

6 How long does the assistance by the Red Cross take, depending on the hazard type and if the event is compounded by other hazards or not?