

Meteorology and Climate Anticipation

Project Summary

Problem

Extreme weather events (floods, heat waves, droughts, tropical cyclones, etc.) represent a significant threat to humanity. MSF lacks an **optimized approach** to track, anticipate and respond to weather hazards faced by **vulnerable populations** a timely and effective way.

Proposed Solution

Assess MSF's **operational response mechanism** for extreme weather events to determine barriers and opportunities to **respond rapidly and effectively**. Provide recommendations for MSF's **Emergency Prep** and **Emergency Response** approach to meet the need of beneficiaries.



Potential Impact

- Improve **response time** to extreme weather events to improve **quality of patient care**
- Improve understanding to **address internal barriers** that prevent rapid response

Viability

- Incorporates a strong link with **operations (emergency desk)**
- Leverages existing **MSF data** as a starting point for **analysis**

Risk Mitigation

- Engages a wide range of **external actors** to strengthen understanding of **best practices**

Scalability

- Will recommend **options to improve operational response**, which can be used across MSF movement

Area/Type: Operations Improvements and Technology; Incubator

Sponsor/Support: OC Brussels

Length/Project Status: 8 months; **ONGOING**