

# Climate displacement, humanitarian needs and Forecast-based Financing

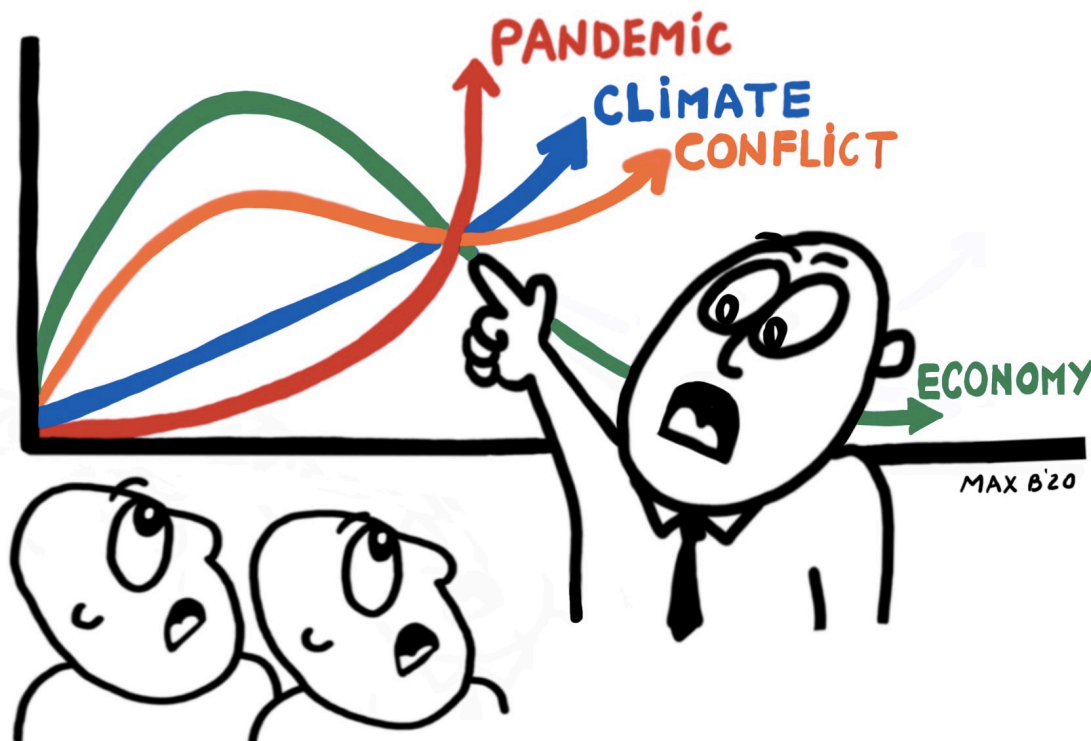
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- The disasters are collaborating better than we are!

**Motivation**  
How can we reduce impacts from climate change, poverty and compound vulnerabilities prior to natural hazards materializing?

# Climate displacement Forecast-based financing?

- 1) What is climate displacement?
- 2) What is forecast based financing or short FbF?
- 3) Linking FbF in the context of climate displacement?

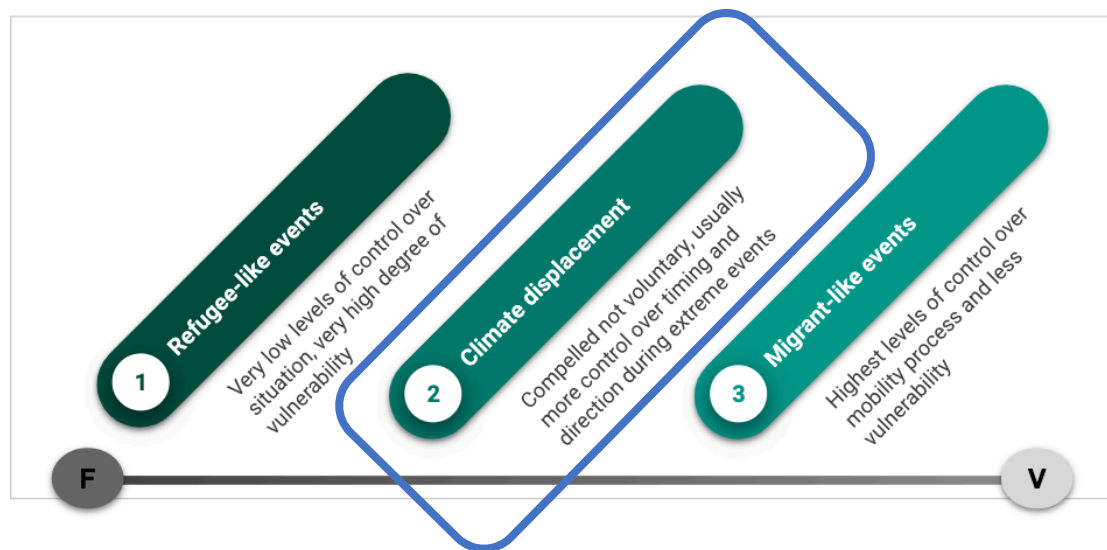


Fig. 1) Climate-related displacement in a forced (f) to voluntary (v) mobility continuum.

To appear in Forecast-based Action and Disaster Displacement Policy Brief.

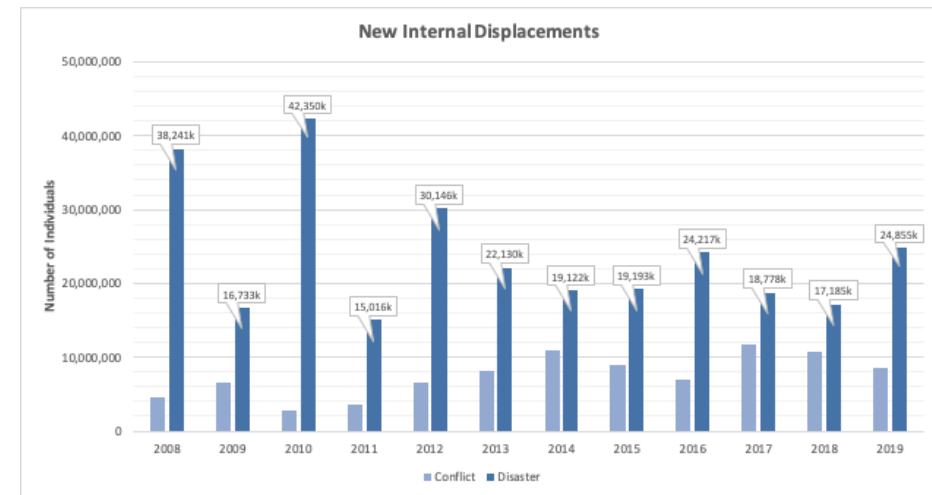


Fig. 2) Global new displacements due to conflict or disasters (2008-2019).

Source: Internal Displacement Monitoring Centre, Global Internal Displacement Database (2020)

# Climate displacement is dynamic and shaped by compound vulnerabilities.

## Attribution of climate change and human mobility such as displacement?

### - Problem:

Increased climate-related forced migration is often portrayed as a key impact of anthropogenic climate change.

### Is there an attributable link? NO.

- Human mobility is **context specific** and **climate never the sole driver of mobility**.

- causal, quantitative evidence on this link remains sparse and suffers from disciplinary hurdles.

Paper under review with *Climatic Change*

See also: Abel et al. 2019, Ide et al. 2020, World Weather Attribution 2017.

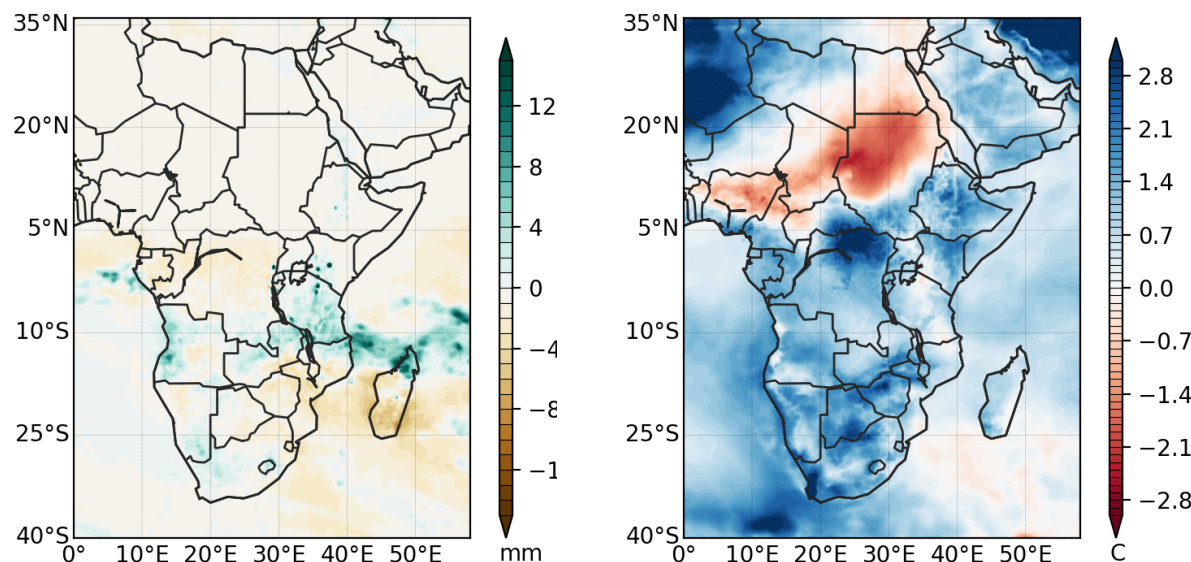


Fig. 3) ERA5 monthly anomalies on precipitation (left) and temperature (right) compared with climatology period 1981-2010 looping through Jan 2016 to Dec 2019.

# Food security is a prevalent need for climate displaced people across Somalia.

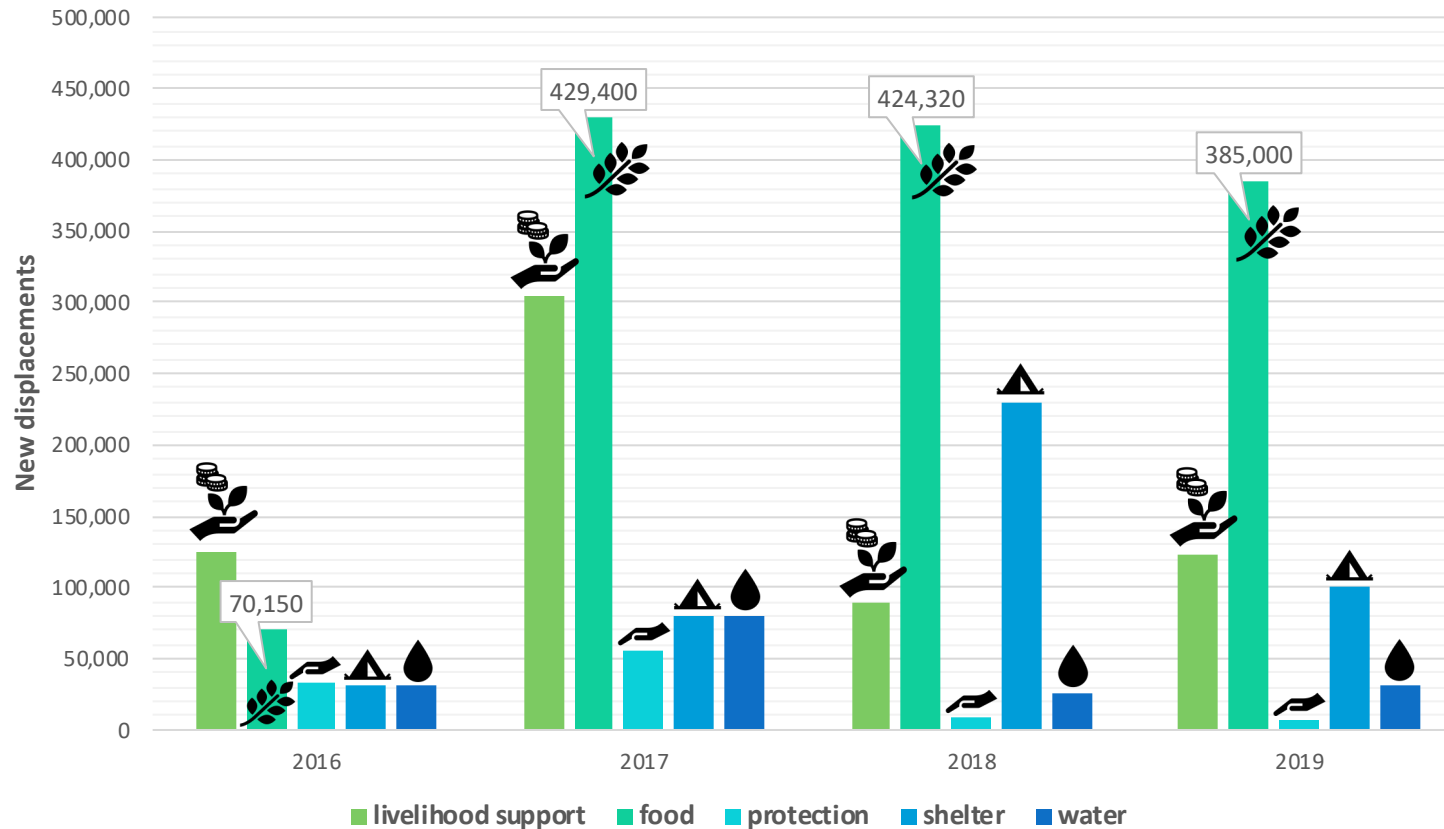


Fig. 4) Top 5 priority needs across Somalia (2016– 2019). Source: UNHCR 2020.

Top 5 priority needs:

- food,
- livelihood support,
- Shelter,
- protection and
- water.

? But how can we prepare for the emerging food security crisis? ?

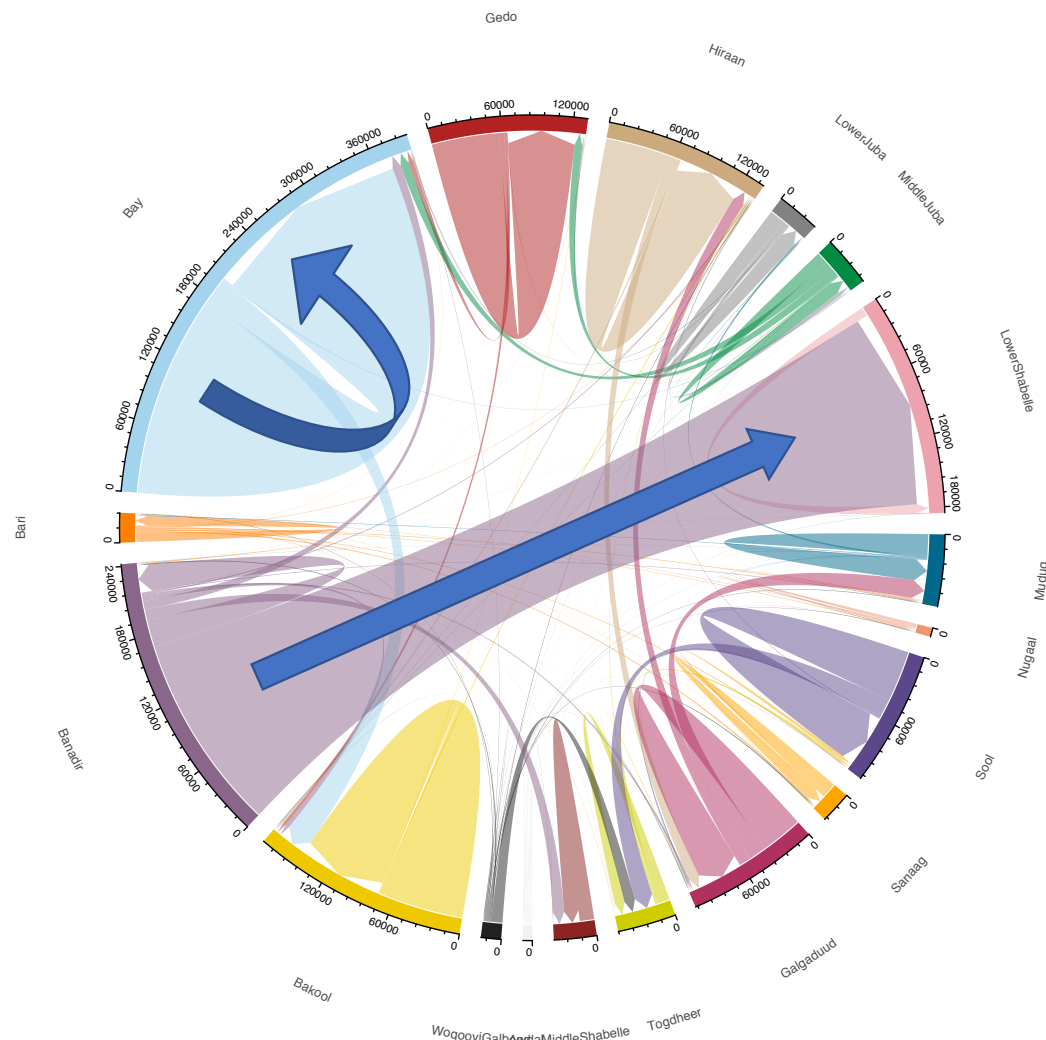
# Forecast based financing (FbF) or: **Anticipation instead of reaction.**

## Definition

**FbF** enables access to humanitarian funding for pre-disaster action, based on climate and weather forecasts, combined with risk analysis.

## Takeaways

- We know the types and spatio-temporal components of priority needs of displaced people in recent years;
- This knowledge allows us to create forecasts on near-term priority needs across Somalia.
- COVID-19 relevance: provide urgent response before compound extremes and climate-related displacement cascade.

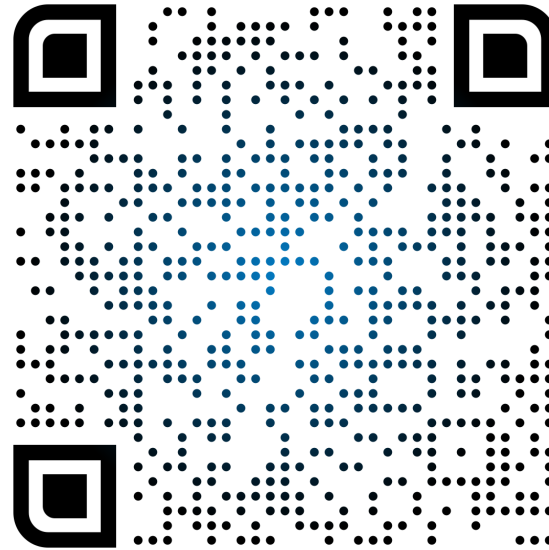




# Thank you.

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## *References:*

- Abel et al. 2020  
[Climate, conflict and forced migration](#)
- Ide et al. 2020: [Multi-method evidence for when and how climate-related disasters contribute to armed conflict risk](#)
- RCCC 2020: [Forecast-based financing](#)
- World Weather Attribution 2017: [Rapid analysis of drought in Somalia, 2016](#)

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