



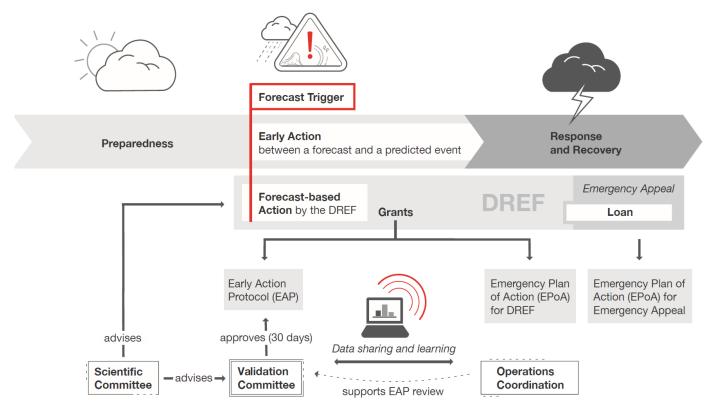
FORECAST-BASED FINANCING

The importance of hydrological services and forecast for decision making: Example of the humanitarian sector

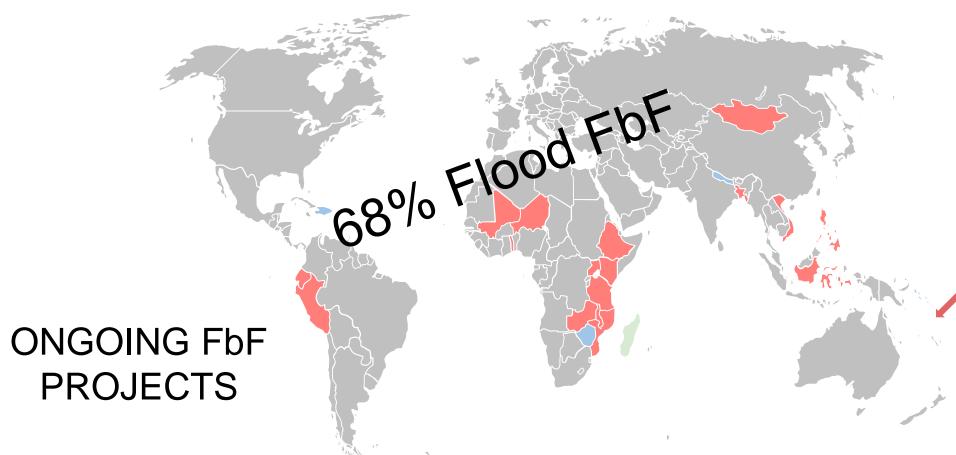


∇ Forecast-based Action by the DREF: the mechanism

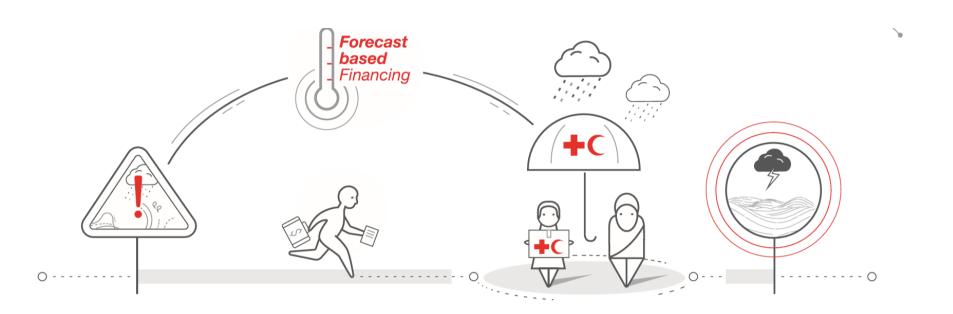












FbF in Action:



Bangladesh before the floods 2017















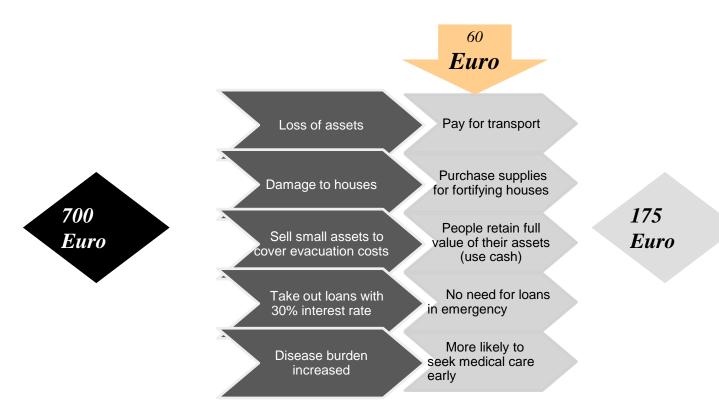
Desk Cost Benefit Analysis

"We believe forecast-based financing (FbF) in this region would have an impact of at least 3 times the value of the initial investment – every dollar invested in the program would save 3 dollars in beneficiary losses. This represents a reduction in losses of about 30% for the vulnerable population"



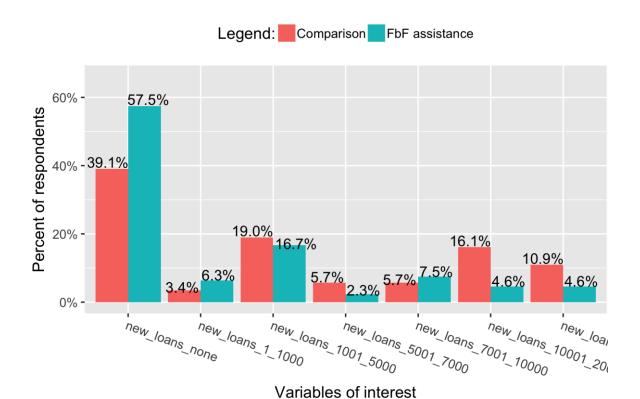


Benefits = Avoided Losses





Taken out new loans?







Alefa Katun, Bangladesh

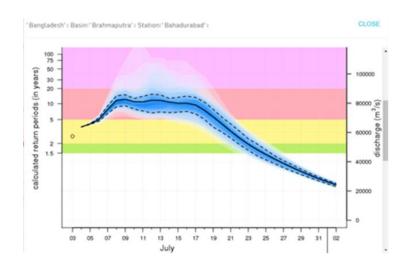
I am so grateful for the cash.
I bought fodder for my cows
and could evacuate them.
Without the cash, I would
have had to sell them, but
they are good cows, they
deliver good milk and are
very healthy.



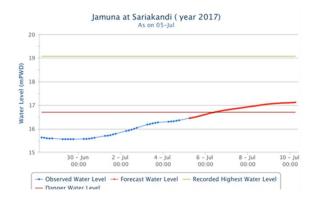


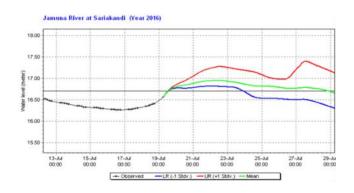
Bangladesh 2017 Floods

- FFWC 1-5 days deterministic forecast: water level
- FFWC 1-10 days probabilistic forecast: water level
- GLOFAS (1-15 days probabilistic): Discharge



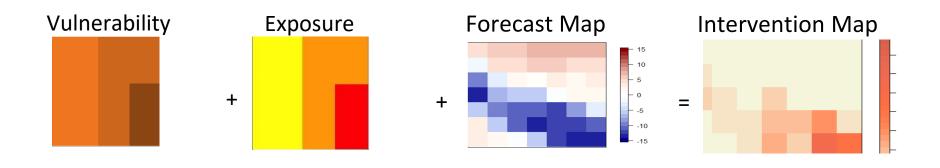








Innovative solution: Impact based forecasting





Impact-Based Forecast and Warning Services

- Impact-based warnings provide information of how hazards may impact warning recipients – What the weather will <u>DO</u>
- NMHSs issue accurate hazard warnings yet populations suffer many casualties and damage because of lack of knowledge of likely impacts of the hazard
- An NMHS cannot deliver impact-based warning services on its own
- Creating systems to support impact warnings is based on close coordination between NMHSs and different organizations e.g. Disaster Reduction and Civil Protection Agencies (DRCPAs).

































HelpAge

































Thank you

Catalina Jaime Senior Risk Adviser jaime@Climatecentre.org