The Togo Red Cross Experience

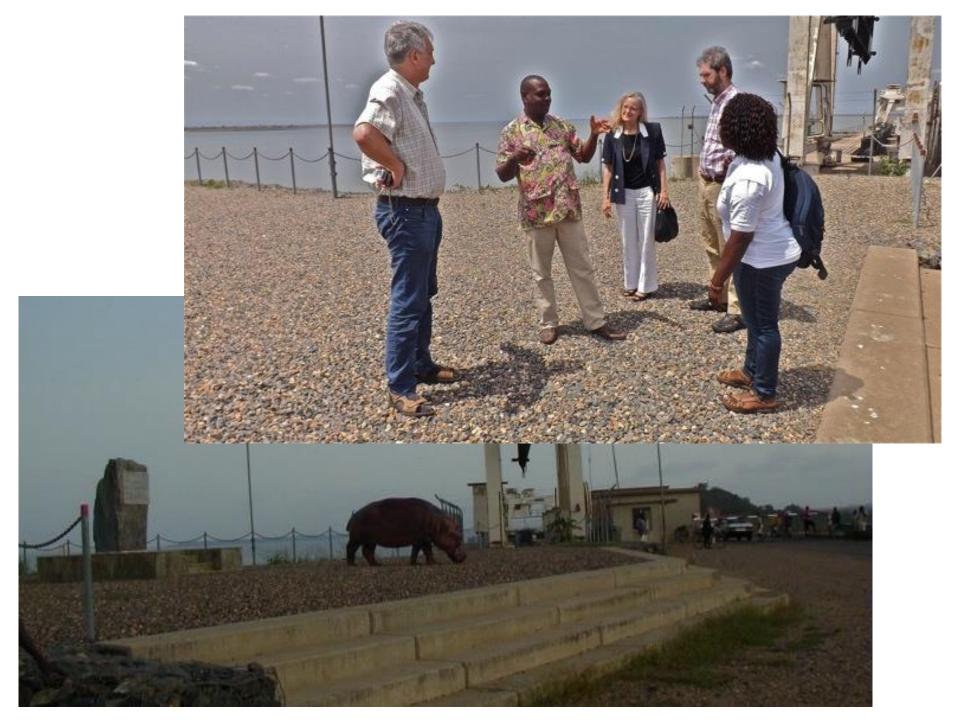
Machine Learning & Forecast-based Financing



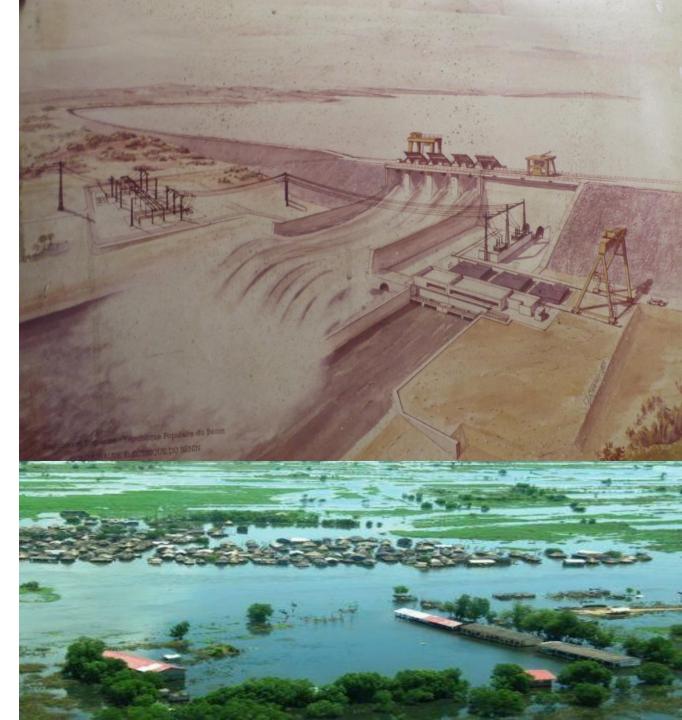
by Pablo Suarez, Ph.D. Associate director for research and innovation



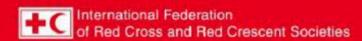
Climate Centre



TOGO Aledjo Tchamba Sokode Goubi Sotouboua • Blitta 🔵



DREF operation



Togo: Floods

DREF operation n° MDRTG003 GLIDE n° FL-2010-000215-TGO 28 October, 2010 28 Oct, 2010

The International Federation of Red Cross and Red Crescent (IFRC) Disaster Relief Emergency Fund (DREF) is a source of un-earmarked money created by the Federation in 1985 to ensure that immediate financial support is available for Red Cross and Red Crescent emergency response. The DREF is a vital part of the International Federation's disaster response system and increases the ability of National Societies to respond to disasters.

CHF 244,001 (USD 251,392 or EUR 179,386) has been allocated from the Federation's Disaster Relief Emergency Fund (DREF) to support the Togolese Red Cross in delivering immediate assistance to some 1,500 families and replenish the National Society's relief stock. Uncarmarked funds to repay DREF are encouraged. 11-17 Oct: rains worsened flood

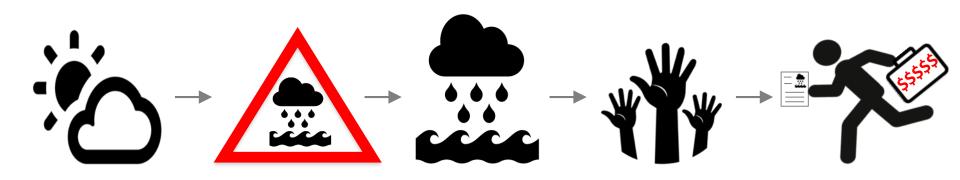
Summary: The heavy downpour during the week of 11 to 17 October, 2010 has worsened the flooding situation that Togo has been experiencing since the beginning of the rainy season in June especially in the Maritime Region. This has been compounded with the overflowing of River Mono because of the excessive water flow from the bigger River Niger. The flooding has lead to extensive damages to property including means of livelihood and houses with thousands of persons rendered homeless and sheltered temporarily in camps and with friends and relatives. The Red Cross through its emergency first-aid team members have been providing first-aid support to the affected people and in some cases assisting them in evacuation. After a preliminary assessment



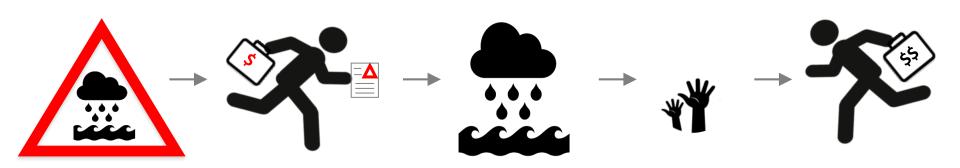
Operations: Nov to Jan 2011

This operation is expected to be implemented over 3 months, and will therefore be completed by January, 2011; a Final Report will be made available three months after the end of the operation (by April, 2011).

CHALLENGE: The Usual Surprise

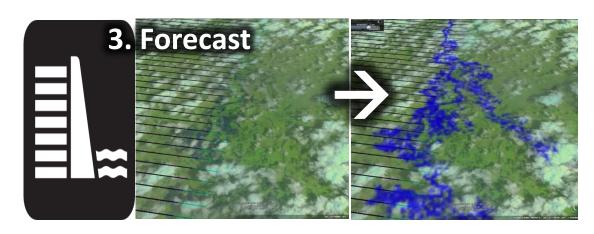


INNOVATION: Forecast-based Financing



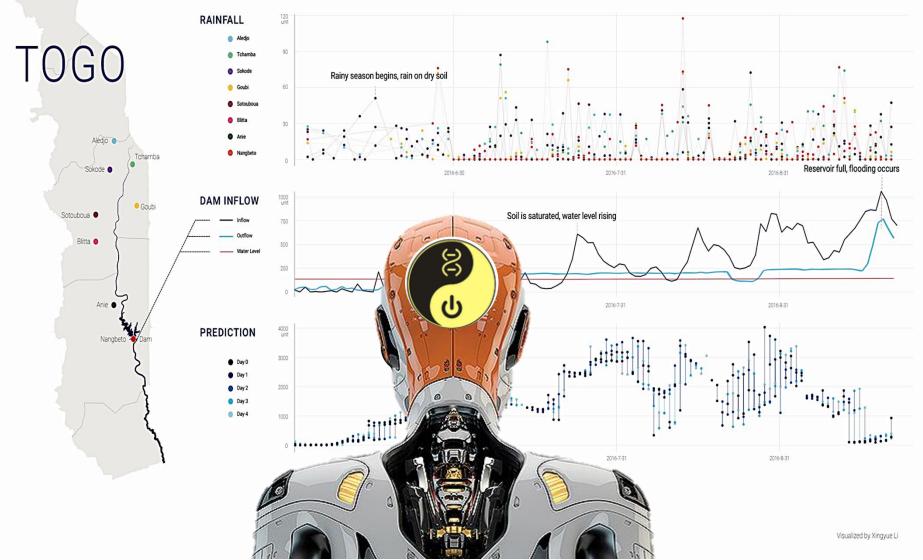






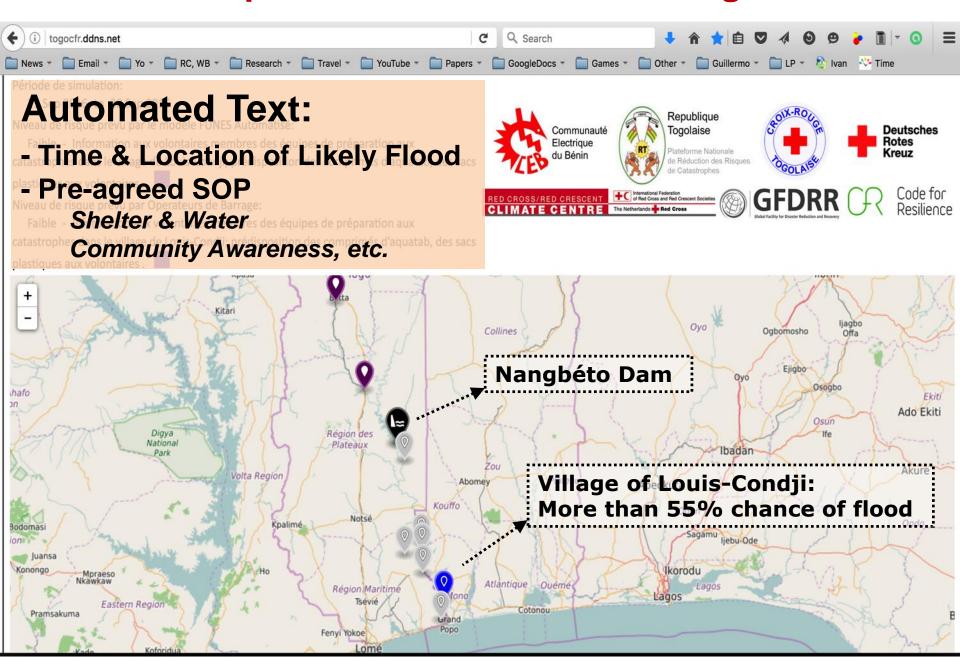


FUNES-FLOOD PREDICTION



FUNES helps anticipate flood risk, supporting Hydro-Met Services & Early Warning Systems

FUNES Anticipates Flood & Sends Message for Action



Early Action: Awareness



Early Action: Communities



Early Action: Shelter



Early Action: Distribution



Actions taken right before flood!



Global Innovation AwardWorld Government Summit 2017



A.I. and Social Protection?

1. Understanding Risks

- Hazards
- Exposure
- Vulnerability

2. Anticipating Need for Action

- Capacities
- Magnitudes

3. Triggering Finances

- Digital Banking
- Smart Contracts & Blockchain, etc.

4. Learning & Reimagining

