

Disaster Risk Finance

Rachel Haldane





Contents

- Start Network
- Introduction to disaster risk finance
- Sovereign risk pools & ARC
- Disaster risk finance outside of risk pools

The Network











































































































- SMITIA RES





Start Network Three Pillars





SOLUTIONS



OUTCOMES

LOCALISATION

We enable local decision-making and more direct access to funding

NEW FINANCING

Our funds enable fast & early action to tackle many crises that often go overlooked

COLLECTIVE INNOVATION

We enable innovation and the sharing of learning and expertise Shifting power closer to the crises means more appropriate responses

Communities have the means to become better prepared and more resilient

New ideas allow the system to adapt to the needs of those affected by crises



20 September 2019



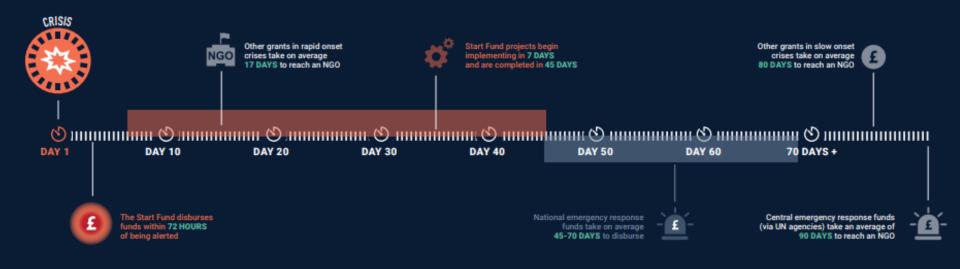
Start Fund

- A multi donor pooled fund launched on April 1st 2014
- Designed to fill gaps in funding for 'under-served' emergencies
- Provides early and rapid funding within the first 72 hours of an emergency
- Small-medium scale rapid-onset crisis/under the radar/ forgotten crises
- Collectively owned and operated by the Start Network Members on behalf of wider civil society



THE START FUND NICHE

START NETWORK



FOCUSING ON 3 TYPES OF HUMANITARIAN NEED



Underfunded small to medium scale crises



Forecasts of impending crises



Spikes in chronic humanitarian crises

Start Network and Risk Financing

We realised that we can't solve all of the humanitarian funding challenges with just one funding instrument (Start Fund)

Drought was a particular issue...

- Slow onset
- No clear trigger/early action moments
- Large scale (generally Start Fund amounts wouldn't make an impact)
- 45 day intervention not enough



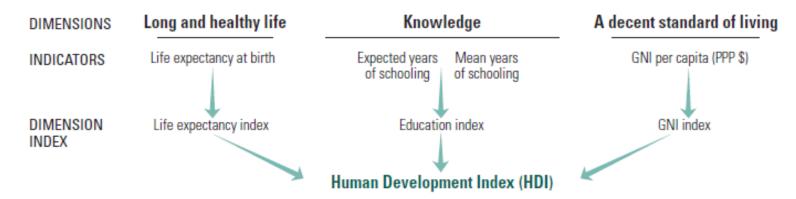
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Context

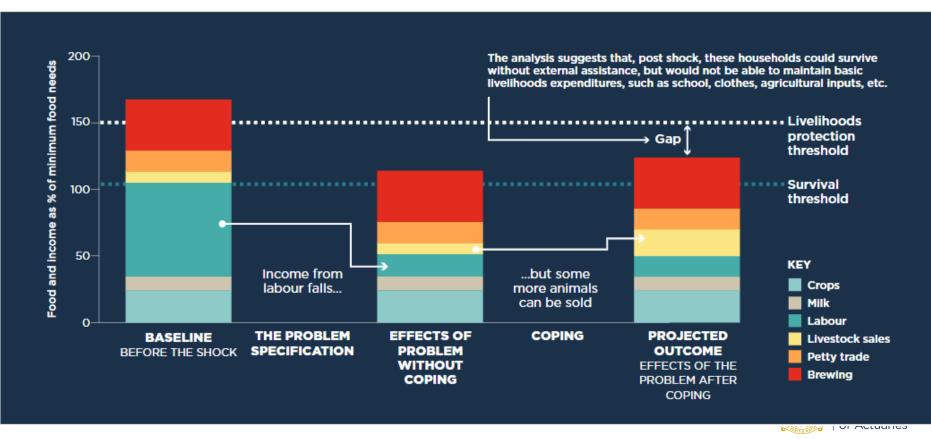
Human Development Index



- Sendai Framework
- Grand Bargain

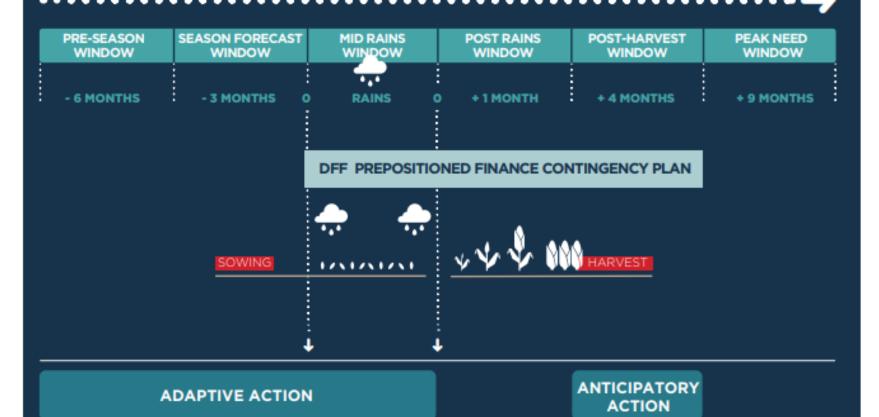


FIGURE 3 THE HEA ANALYTICAL FRAMEWORK - A SIMPLIFIED ILLUSTRATION



PREVENTING NEED

RESPONDING TO NEED



PROTECTIVE ACTION

RESPONSE ACTION

DRF

Disaster Risk Finance is an approach that includes three key components:

- Understanding and quantifying risk (and setting triggers)
- Pre-planning activity
- Pre-positioning financing

The aim is to move from **responding** to disasters after an event, to **managing** disasters before an event



NO SINGLE FINANCIAL INSTRUMENT CAN ADDRESS **ALL RISKS**

THREE TIERED RISK LAYERING STRATEGY

DISASTER RISK LAYERS

HIGH SEVERITY/PROBABILITY LARGE EARTHQUAKES TSUNAMIS **■■ & ♦** MAJOR (CAT 5) STORMS

MEDIUM SEVERITY/PROBABILITY

- FLOODS
 MINOR EARTHQUAKES TROPICAL STORMS



LOW SEVERITY/PROBABILITY

- LOCAL FLOODS



MARKET

RISK FINANCING INSTRUMENTS

Risk transfer for assets such as property insurance or agricultural insurance and risk transfer for budget management like



BASED RISK TRANSFER

liquidity immediately after a shock



Reserve funds specifically designated for financing disaster related expenditures, general contingency budgets, or diverted spending from other programs



IMPLEMENTATION

THE STEPS NEEDED TO BUILD THE **OUANTIFYING** Finding the experts Finding the experts SYSTEM AFTER THE RISK THE RISKS AND and service providers and service providers FINDING SERVICE in risk analytics and FINANCING STRATEGY IS IDENTIFIED in risk analytics and **PROVIDERS** financial services financial services FURTHER SUPPORT IS AVAILABLE FOR MEMBERS TO GO THROUGH Operational planning **SETTING UPTHE** THESE DESIGN AND BUILD STEPS and governance - who **OPERATIONAL** Contingency Preparedness will do what when and DELIVERY planning needed where - MOUs and SYSTEM agreements FINANCIAL What financial INSTRUMENT Contracting Money flow instruments and **Fundraising** and legal ALIGNMENT AND arrangements funds to attach to **FUNDRAISING** the system What is the impact What are the objectives MEAL AND **LEARNING AND** objective of the systems of the different components IMPROVEMENT - how will this be and how will those be monitored and evaluated monitored (science, **FRAMEWORKS** planning financing) PILOTING Learning and moving Looking to scale Testing AND SCALING to build systems for other geographically and evaluating risk identified through and financially the strategy.

START NETWORK

Purpose of Disaster Risk Financing

It is not....

- Raising funds from donors after a disaster
- Financing risk reduction and development

It is....

- Ensuring money reaches people who need it the most, when they need it the most
- Using Financial Planning to protect investments in human development and resilience building
- Planning on how to meet the cost of disasters before they happen
- Increasing the speed, predictability and transparency of disaster response



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Sovereign Risk Pools

- Caribbean Catastrophe Risk Insurance Facility (CCRIF)
- Pacific Catastrophe Risk Insurance Company (PCRIC)
- Africa Risk Capacity (ARC)



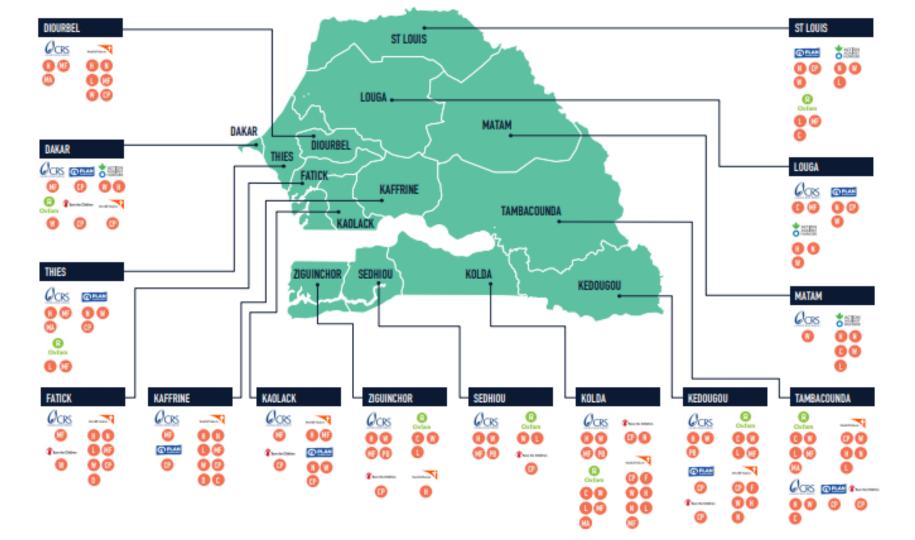
Senegal

- HDI = 164
- Crops
- Rainfall



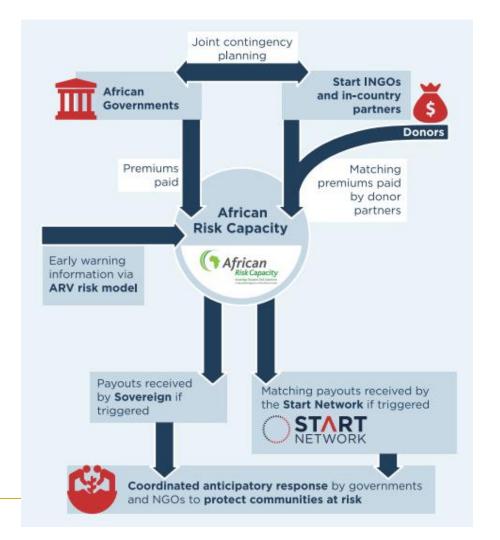






ARC Replica

- 2018
- 2019 Start Network policy
- Payout
- Implementation



Modelling in ARV

- NOAA data
- Rainfall
- WRSI model
- Cropping calendar
- Population data
- Cost of aid



Basis Risk

The difference between expectation and outcome

False alarm vs shortfall

- Comparative monitor
- Network
- Village Committees



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Madagascar

- HDI = 161
- Crops
- Rainfall

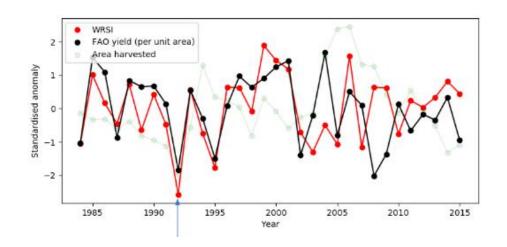






Designing a DRF system

- Data?
- Skill?
- WRSI model
- Cropping calendar
- Population data
- Cost of aid











Questions

Comments

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