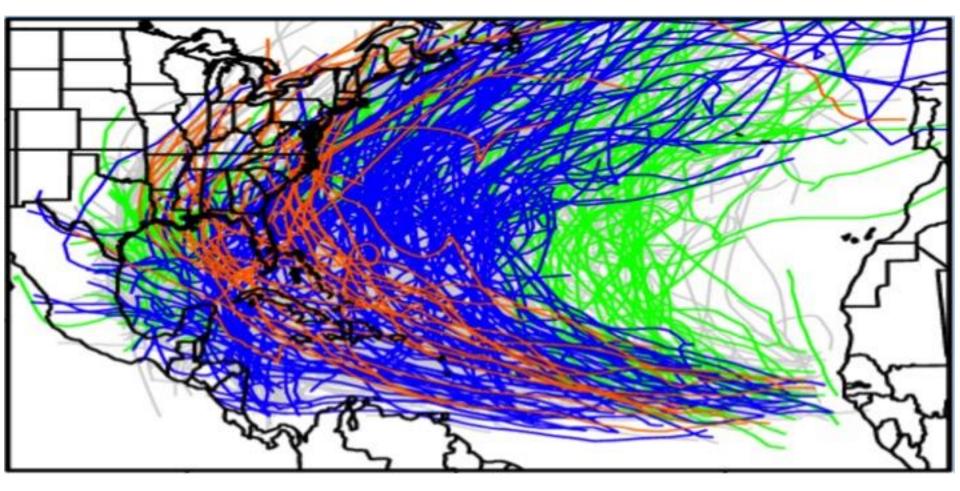




Designed by Pablo Suarez and Janot Mendler de Suarez for World Bank DRFTA Team

with thanks to WB DRFI, ACP-EU and GFDRR

Tropical Storm Trajectories Since 1980



Cat 2 or strongerCat 1 or weaker

No impact over Caribbean

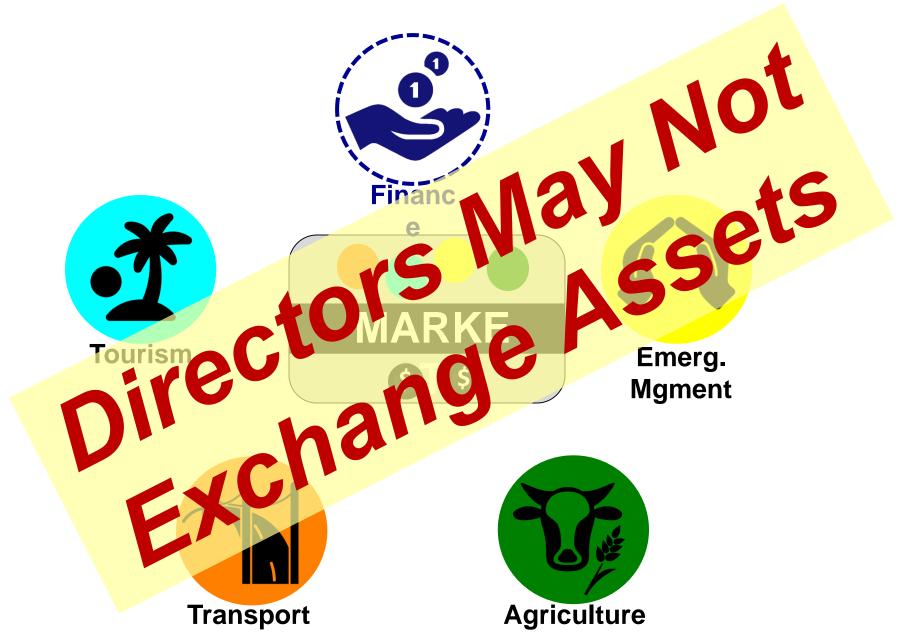


Ground Rules

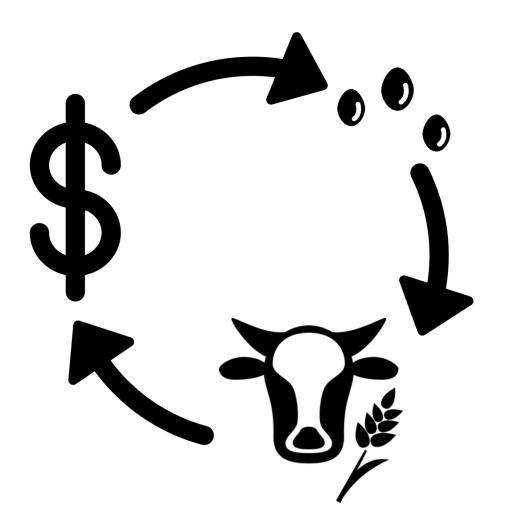
- **Goal = Experience disaster risk financing dynamics**
- One turn = 1 year
- Game = *simplified representation of reality*
- Facilitator's decisions = *cannot be appealed*



5 Stakeholders per Country



Your Goal: Invest & Develop



WINNERS & LOSERS

Winning Directors: Most Assets Start with 7 or 8

Losing Directors: Crisis Total Assets = 4 or less? → Fired !

Losing Country: Catastrophe

Cannot cover all needs in time (before deadline) or: More than one Director fired

Winning Country: Most Assets

Start with 30

Your Performance depends on:





Needs Covered

until Aug.

until July

7

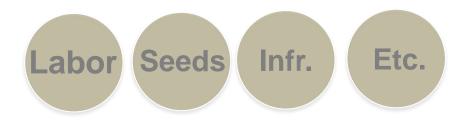
?

Productive Assets 8

Min. Finance Cash ?

Productive Assets

Tokens: inputs per year





Seasonal Conditions

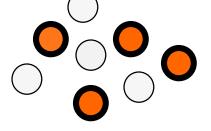
Shake and Flip Assets

Covering Needs

Use Assets to cover 12 months



All Needs covered, No Surplus?





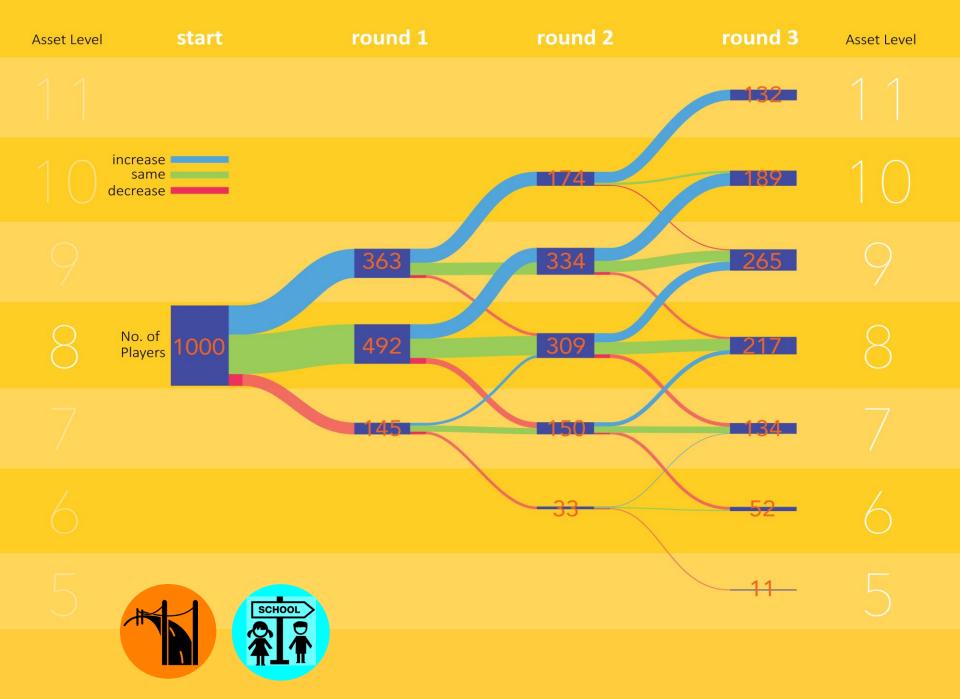
Cover more than needed? Announce: SURPLUS!

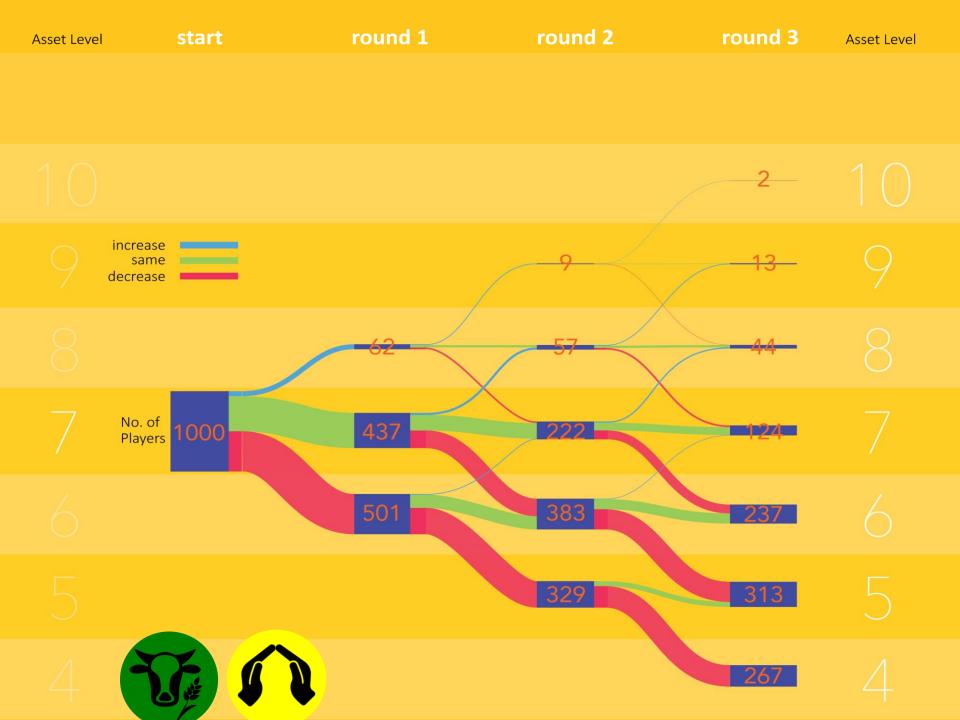
Get 1 New Asset from Marketplace











Year 2: Tax & Aid

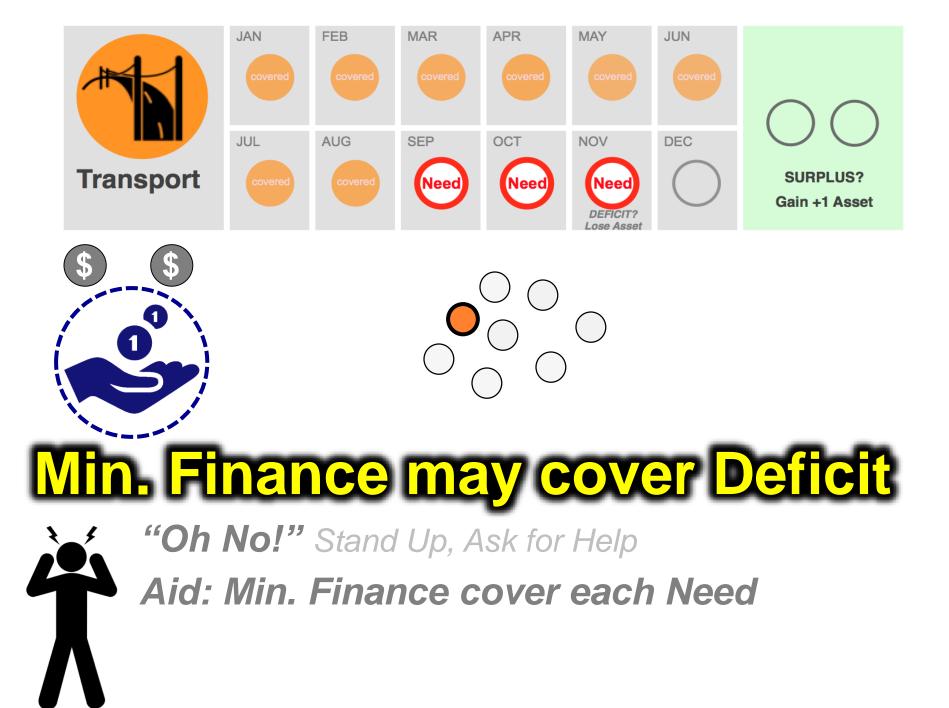




Min. Finance Cets Annual Budget

AYeHe Bedinning date at year, Get 2 Coins 'Tax'

- Help other Ministers
- Save for future use





Could Shocks lead to Big Deficit? How to Get Funds Fast?

Year 3: Shocks & Loans

FinLoans, Inc. "Borrow Now, Repay later" (with interest)

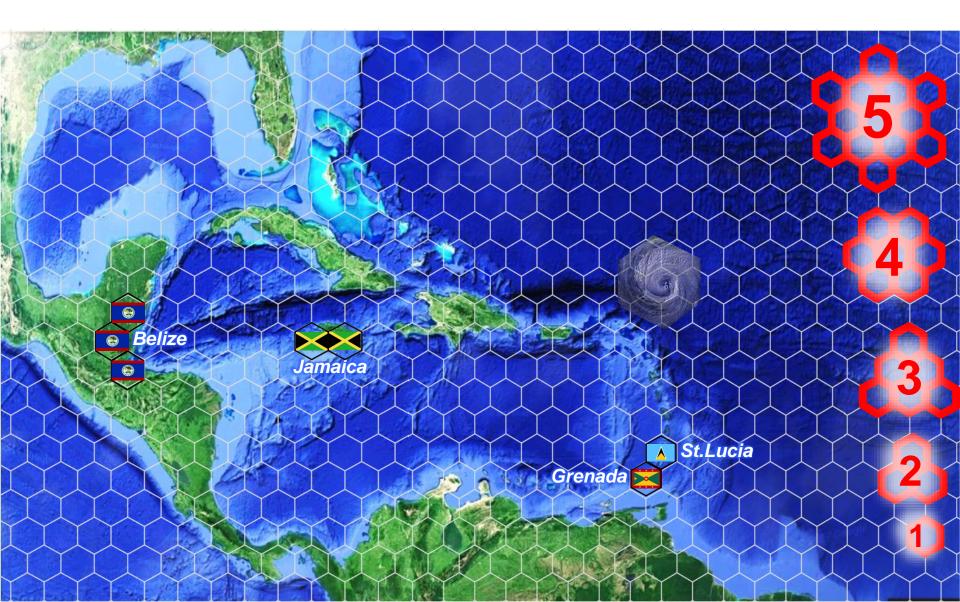


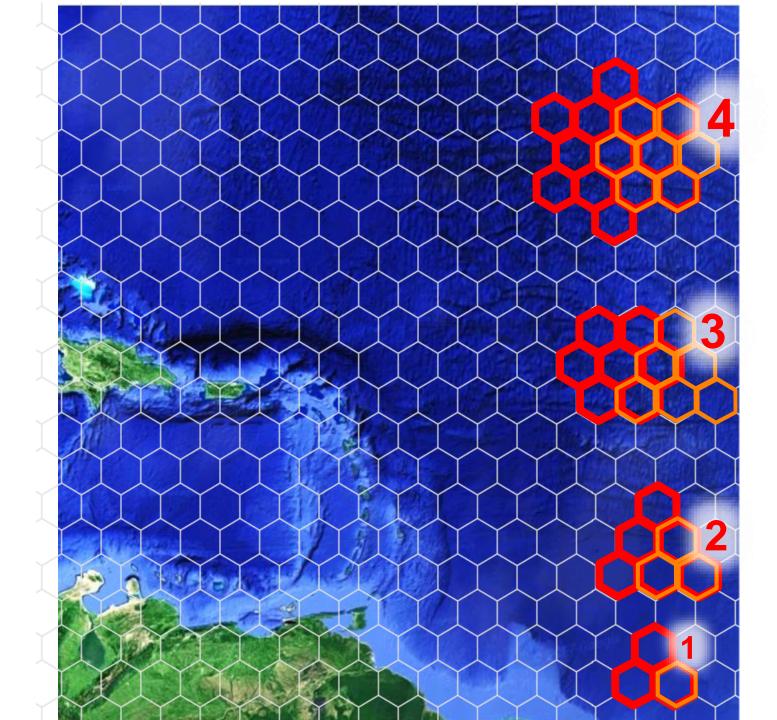
Creditor will give a total of \$5m

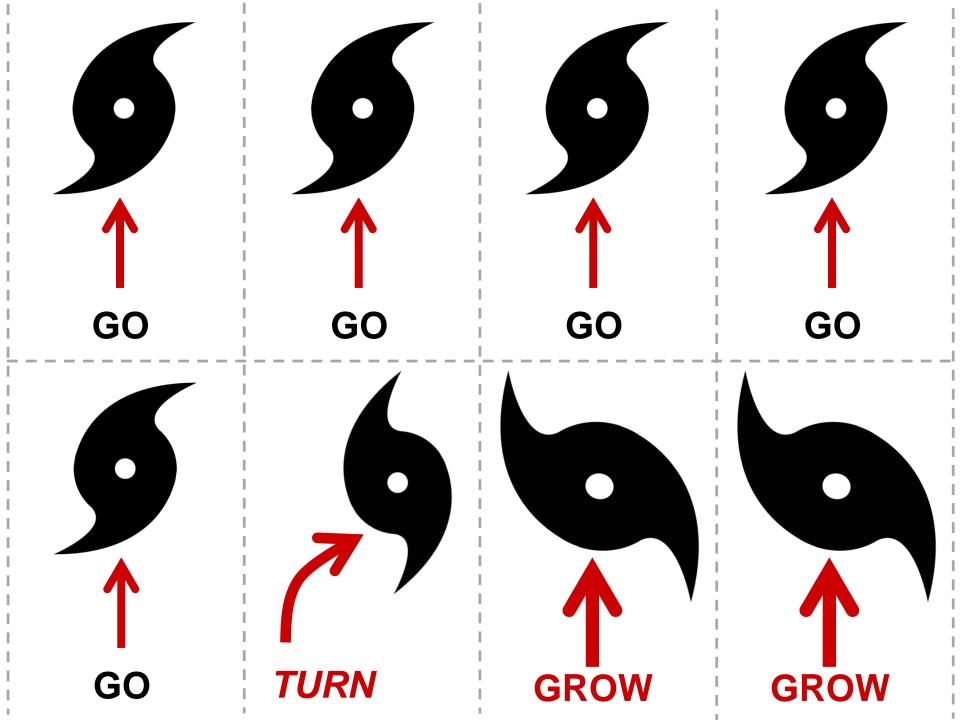
Min of Finance must repay the Loan, as follows:

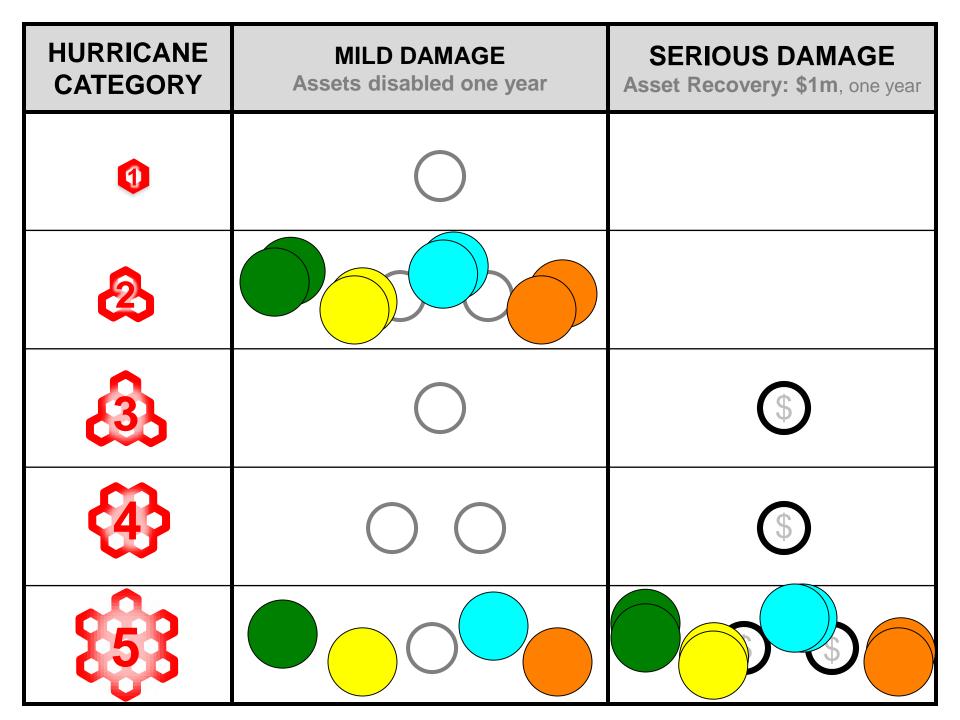
Year 1: \$ 1m Year 2: \$ 1m Year 3: \$ 2m Year 4: \$ 2m Year 5: \$ 2m Year 6: \$ 2m

If Min. Finance can't repay, Creditor will take possession of 7 assets









Year 4: DRFI



Stakeholders



DIALOGUE



Min. Finance Disaster Risk?

INSURANCE CONTRACT Pay annual premium. Payout if disaster



Min. Finance will pay each year a premium of \$____

The insurer will deliver to Min. Finance a payout of \$ <u>8</u>, immediately after the occurrence of a *Hurricane making landfall in your country.*



CONTINGENCY LOAN "Borrow right after shock, Repay later"

Bank will give a total of \$ _____, in case of occurrence of the following extreme event:

[describe verifiable event]

Min of Finance will repay the Loan, as follows:

Year 1: \$ Year 2: \$ Year 3: \$ Year 4: \$ Year 5: \$ Year 6: \$ Year 22



Not country can submit either of get new instrume Each country can submit either of get new instrume At least one country will not get new instrume

While Funder reviews submission: Form Mixed Trios: reflect on decisions

Groups of 3 players from different tables & different ministries

After break, each Trio will briefly share -One emotion

-One insight

Then: one more round!

If you're back on time 🙄





WHAT FINANCIAL INSTRUMENT ?

Each trio reflect & share:

- One emotion
- One insight

"Pinky Finger" to choose who speaks for group

One more round

INSURANCE CONTRACT Pay annual premium. Payout if Disaster



Min₂Finance will pay each year a premium of \$____

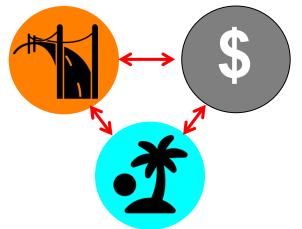
REGIONAL RESERVE FUND All put money in, use when needed

Pay \$ <u>1</u> per year for reserve fund. Donor will match with \$ ___

A country may draw up to \$ ____ from the Fund if [describe event]

PARTIAL REAPPROPRIATION

Swap Budget/Assets Across Sectors



Pay \$ <u>1</u> for Administrative Reform that allows 'Partial Reappropriation'

If Relevant Stakeholders Agree:

-Surplus can become 1 coin for Min. Finance -Assets can be traded in Market

CAT DDO

Bank will give a total of *up to* \$ <u>6</u>, in case of occurrence of the following extreme event:

Declaration of National Emergency Agreed Set of Prior Actions Development of DRM Framework

Min of Finance will repay the Loan, as follows:

Year 1-3: No payment

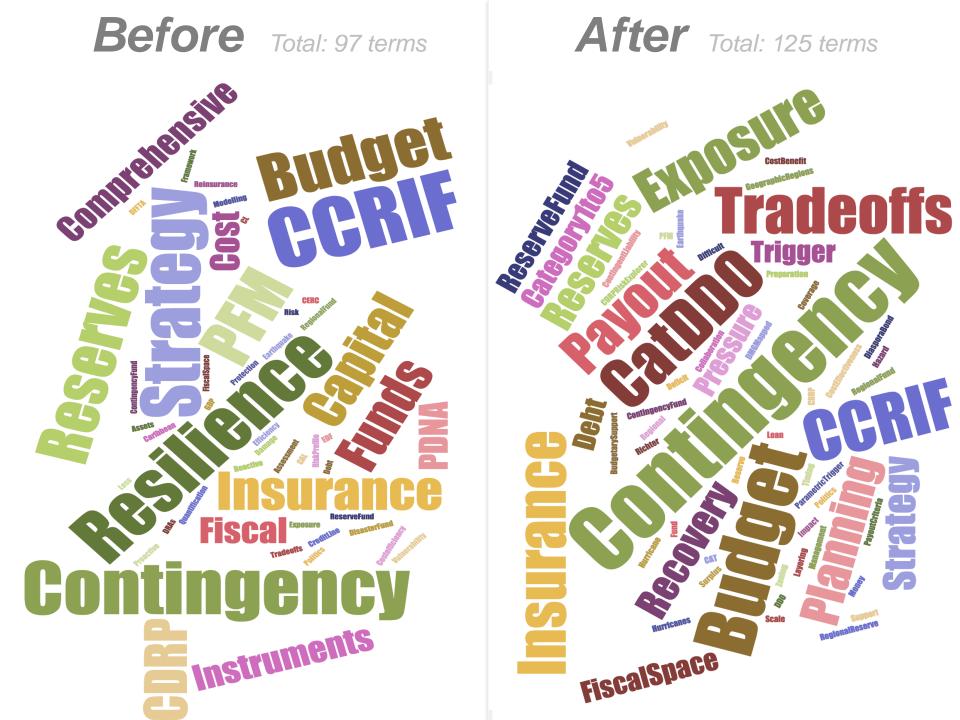
Year 4-10 \$1m per year (IDA covers the rest)

Facilitate:

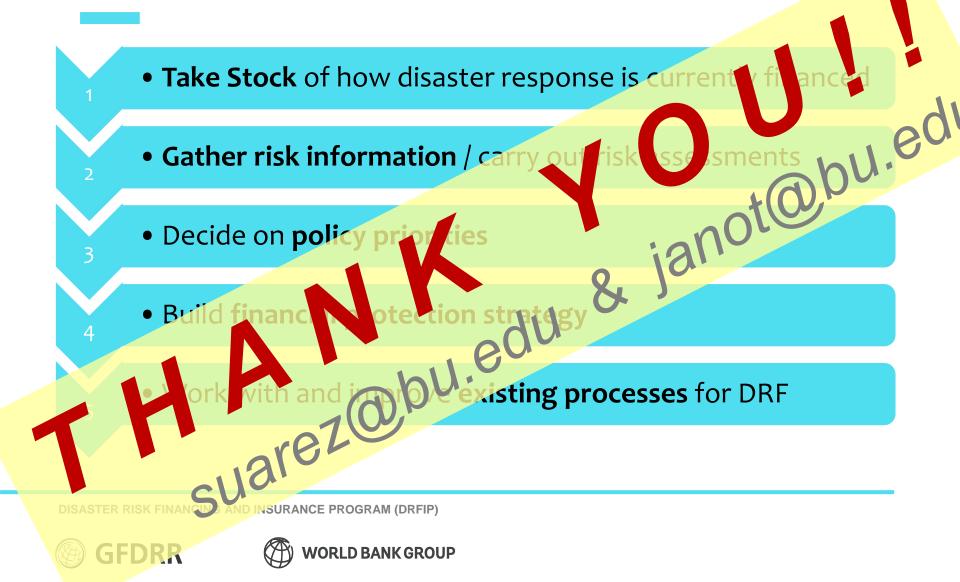
Form groups with similar questions

- Insurance?
- Cat DDOs?
- Contingency Funds?
- Partial Reappropriation?
- Reserve Fund?
- Other?

Then enable small-group discussion / Q&A



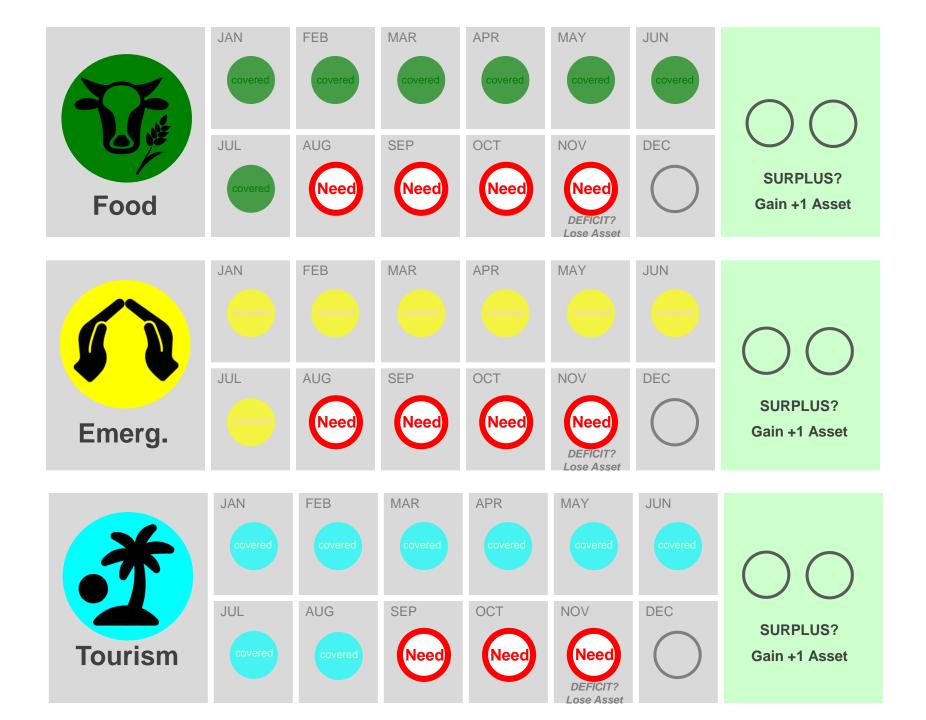
Five Steps Towards Strengthening Financial Resilience

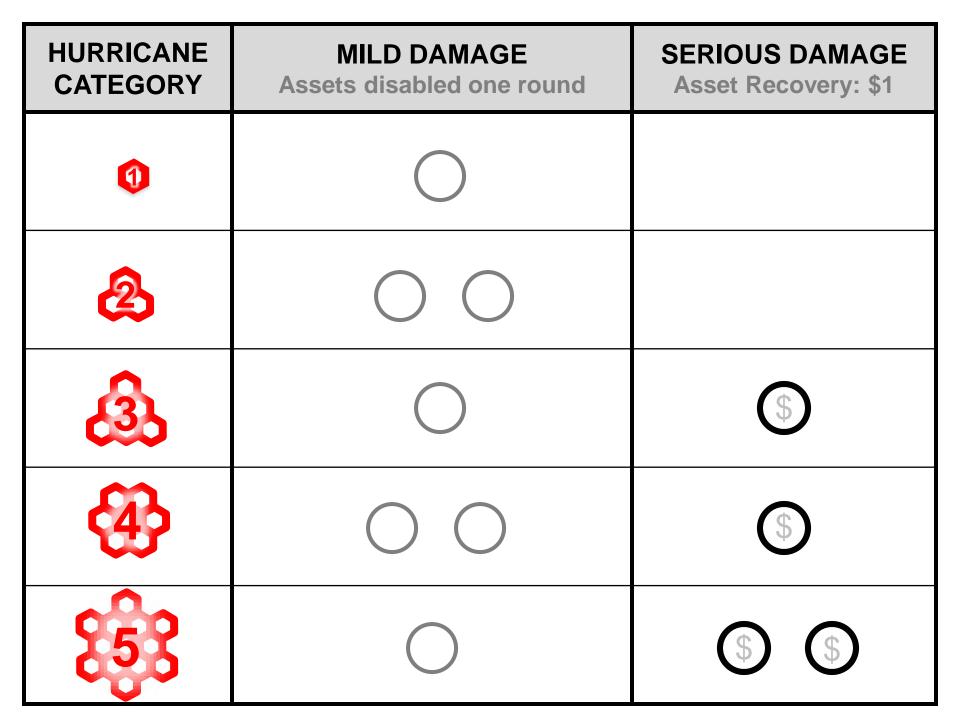


MATERIALS









FinLoans, Inc. "Borrow Now, Repay later" (with interest)



Creditor will give a total of \$5m

Min of Finance must repay the Loan, as follows:

Year 1: \$ 1m Year 2: \$ 1m Year 3: \$ 2m Year 4: \$ 2m Year 5: \$ 2m Year 6: \$ 2m

If Min. Finance can't repay, Creditor will take possession of 2 assets

INSURANCE CONTRACT Pay annual premium. Payout if disaster



Min. Finance will pay each year a premium of 1^{1}

The insurer will deliver to Min. Finance a payout of \$ <u>8</u>, immediately after the occurrence of a *Cat.* <u>3</u> *Hurricane or greater making landfall in your country.*

INSURANCE CONTRACT Pay annual premium. Payout if disaster



Min. Finance will pay each year a premium of \$____

The insurer will deliver to Min. Finance a payout of $\frac{10}{10}$, immediately after the occurrence of a *Cat.* $\frac{2}{10}$ *Hurricane or greater making landfall in your country.*



CONTINGENCY LOAN "Borrow right after shock, Repay later"

Bank will give a total of \$ _____, in case of occurrence of the following extreme event:

[describe verifiable event]

Min of Finance will repay the Loan, as follows:

Year 1: \$ Year 2: \$ Year 3: \$ Year 4: \$ Year 5: \$ Year 6: \$ Year 22

CAT DDO

Bank will give a total of *up to* \$ <u>6</u>, in case of occurrence of the following extreme event:

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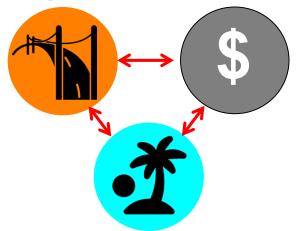
Min of Finance will repay the Loan, as follows:

Year 1-3: No payment

Year 4-10 \$1m per year (IDA covers the rest)

PARTIAL REAPPROPRIATION

Reallocate Budget/Assets Across Sectors



Pay \$ <u>1</u> for Administrative Reform to allow 'Partial Reappropriation' for disaster risk mgmt

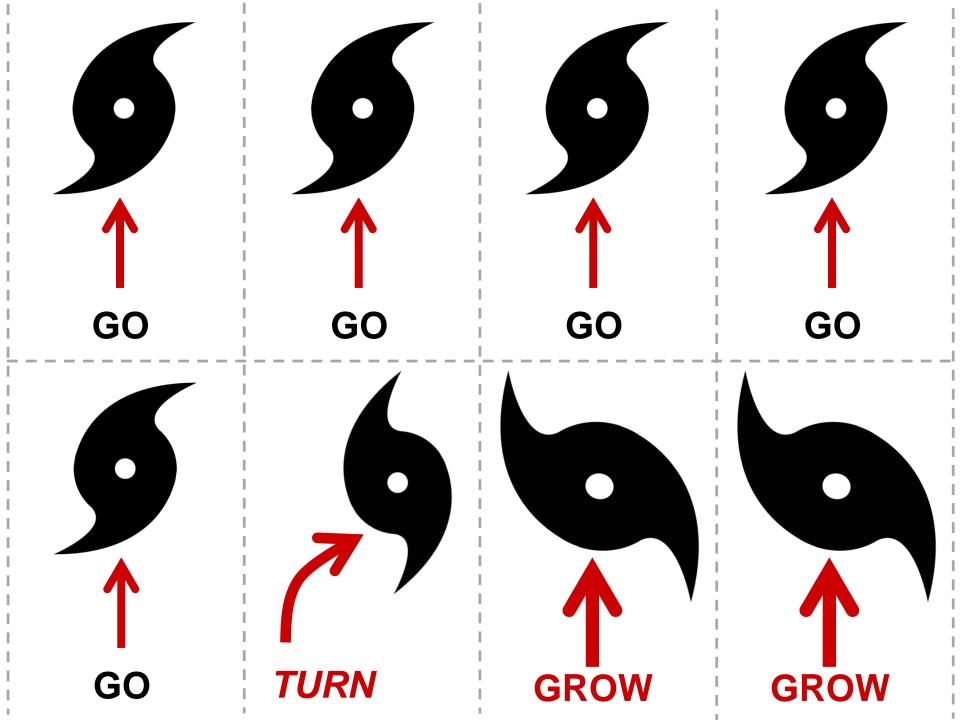
If Relevant Stakeholders Agree:

- Exchange Surplus for 1 coin to Min. Finance
- Assets can be traded in Market

REGIONAL RESERVE FUND All put money in, use when needed

Pay \$ <u>1</u> per year for reserve fund. Donor will match with \$ ___

A country may draw up to \$ ____ from the Fund if [describe event]







Caribbean **Disaster Risk Financing**

Technical Assistance Program



Disaster Risk Financing Caribbean Technical Assistance Program





Disaster Risk Financing

Caribbean

Caribbean **Disaster Risk Financing**

Technical Assistance Program



Caribbean Disaster Risk Financing

Technical Assistance Program



Disaster Risk Financing Technical Assistance Caribbean

Program









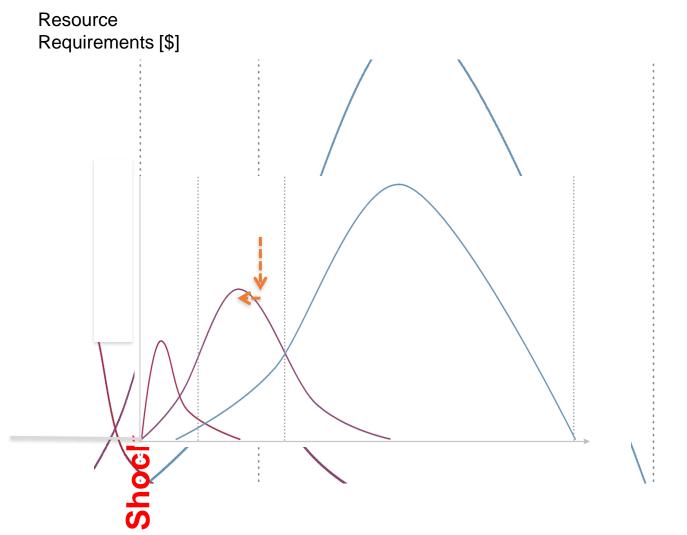


BANK GROUP

Technical Assistance Disaster Risk Financing Caribbean Program

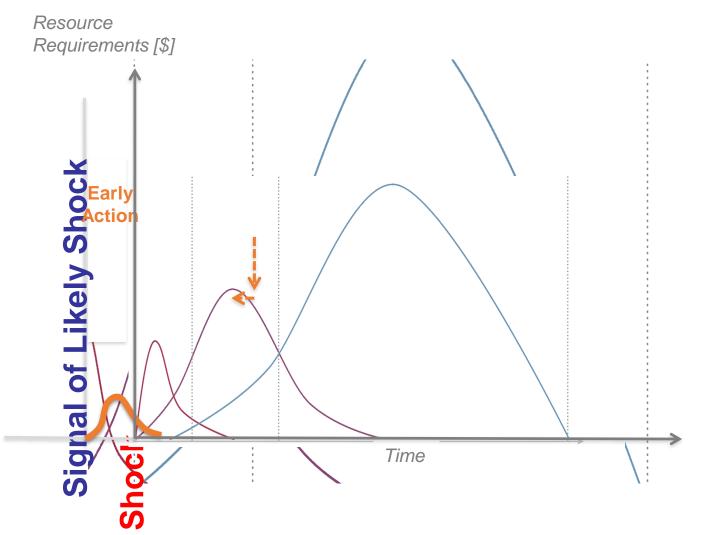
OTHER

Core Principle 1: Timeliness of funding



Speed matters, but not all resources are need Can we reduce total resources needed, while acceler

Core Principle 1: Timeliness of funding



FORECAST-BASED FINANCING: Trigger resources for early action *before the shock,* after science says an extreme event is unusually likely





