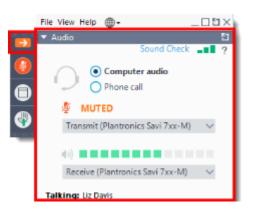
PREPARING & RESPONDING TO A HURRICANE DURING COVID-19

September 17, 2020

INTERNATION A SO

GOTOWEBINAR HOUSEKEEPING: ATTENDEE PARTICIPATION



Your Participation

Open and close your control panel

Join audio:

- Choose Mic & Speakers to use VoIP
- Choose **Telephone** and dial using the information provided

Submit your questions using the **questions** panel, we will answer as time allows.

Note: Today's presentation is being recorded and will be provided via email.



SPEAKERS



JEREMY PROUT Regional Security Director International SOS



JOSH DOZOR

General Manager, Assistance Operations, Americas International SOS



JEFFREY SHAMAN, PHD

Professor Environmental Health Sciences Director, of Climate and Health Program Columbia University

AGENDA

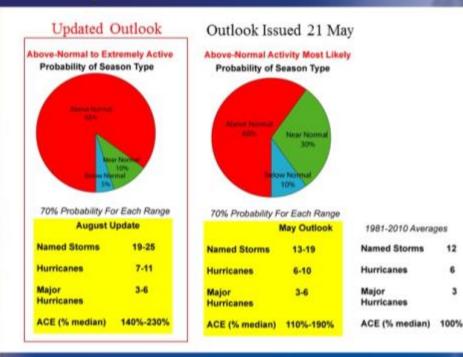


- New 2020 Hurricane Season Forecast
- COVID-19 Considerations
- Study Insights
- Support from International SOS

2020 HURRICANE FORECAST

NOAA's Updated 2020 Atlantic Hurricane Season Outlook

INTERNATIONAL



(Left) An above-normal Atlantic hurricane season is now very likely (85% chance), and the potential for an extremely active season (ACE \geq 165% of median) has increased from the May outlook (Right)

STATUS

Atlantic

Dolly 🗸 Edouard Fay 🗸 Gonzalo Hanna 🗸 Isaias 🗸 Josephine 🗸 Kyle 🗸 Laura 🗸 Marco 💊 Nana Omar Paulette Rene Sally Teddy Vicky Wilfred

Arthur 🗸

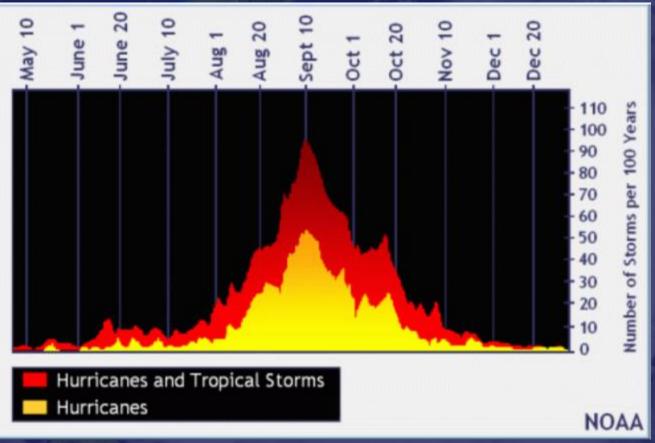
Bertha Cristobal

> Eastern Pacific

Amanda Boris 🗸 Cristina Douglas Elida Fausto Genevieve Hernan Iselle Julio Karina Lowell Marie

Norbert Odalys Polo Rachel Simon Trudy Vance Winnie Xavier Yolada Zeek INTERNATIONAL

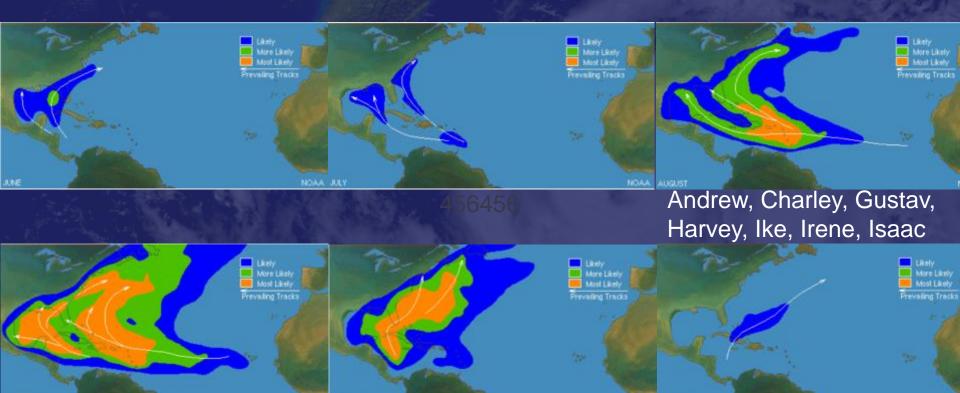
TROPICAL CYCLONES PAST 100 YEARS



https://www.nhc.noaa.gov/climo/images/peakofseason.gif



CYCLONE AREAS OF ORIGIN BY MONTH



Irma, Hugo, Isabel, Maria, Katrina, Rita

SEPTEMBER

Michael, Sandy, Wilma

https://www.nhc.noaa.gov/climo/

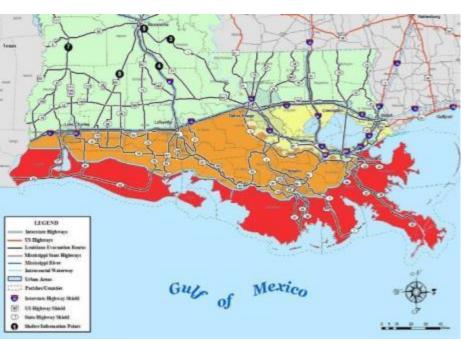
NDAA NOVEMBER

INFRASTRUCTURE VULNERABILITY

	(Sub)sector Receiving the Service				
(Sub)sector Generating the Service	ONG	Electricity	Transportation	Water	Communication
ONG		Fuel to operate power plant motors and generators	Fuel to operate transport vehicles	Fuel to operate pumps and treatment	Fuel to maintain temperatures for equipment; fuel for backup power
Electricity	Electricity for extraction and transport (pumps, generators)		Power for overhead transit lines	Electric power to operate pumps and treatment	Energy to run cell towers and other transmission equipment
Transportation	Delivery of supplies and workers	Delivery of supplies and workers		Delivery of supplies and workers	Delivery of supplies and workers
Water	Production water	Cooling and production water	Water for vehicular operation; cleaning		Water for equipment and cleaning
Communication	Breakage and leak detection and remote control of operations	Detection and maintenance of operations and electric transmission	Identification and location of disabled vehicles, rails and roads; the provision of user service information	Detection and control of water supply and quality	

FEMA Power Outage Incident Annex, June 2017

COVID IMPLICATIONS: ACCESS DISRUPTIONS



- Cross-border quarantines
- Loss of hotel availability across range of evacuation
- Inspection delays
- Supply Chain disruption
- Infrastructure restoration delays



COVID IMPLICATIONS: FIELD DEPLOYMENTS

 Increased communications to staff and clients (social media platforms, virtual townhalls, coordinated messaging)



- Ensure remote personnel have the most up-to-date policies and procedures via training
- Expand flexible deployment options
- Virtual personnel mobilization process
- Increase information technology support



COVID IMPLICATIONS: OPERATIONAL DESIGN

- Virtual operations to minimize traditional field deployments
- Ensure physical layouts accommodate CDC guidance and social distancing



- Protective equipment provisioning (PPE vs. cloth face coverings
- Consider drive-through and 'touch-free' logistics



First Study to Quantify Potential COVID-19 Spread from Hurricane Evacuation: Where Evacuees Go Matters



Jeffrey Shaman, PHD

Professor Environmental Health Sciences Director, of Climate and Health Program Columbia University

- 1. Could you tell us about your study on the impacts of hurricane evacuation on COVID-19 cases?
- 2. What should Emergency Managers look for in evacuation destination options?
- **3.** How can evacuees protect themselves from infection?

LESSONS FROM EMERGENCY MANAGEMENT

- Challenge all assumptions
- You cannot make up for lost time
- Anticipate failures
- Go Fast, Go Big, Be Smart
- Question your Risk Tolerance
- Coordinate, Coordinate, Coordinate
- More information never hurts



KEY TAKEAWAYS



HURRICANES REMAIN A PRIMARY HAZARD COVID + Hurricanes = managing layered risk

IT'S ALL ABOUT PREPARATION



RESILIENCE IS ABOUT FLEXIBILITY

INFORMATION IS CRITICAL, COMMUNICATION IS KEY



INTERNATIONAL SOS IS YOUR PARTNER





THANK YOU FOR ATTENDING

Webinar recording and materials will be emailed within the next few hours. INTERNATIONA SC