

Changing the way we respond to Disasters and Emergencies

October 2023



Lorenzo Carroll



- College of the Bahamas
- 27 years as an Executive of BATCU, 22 as VP
- Started training in Flight Service in 1990
- Lead the last two Contract Negotiations
- Years of International Involvement
- Introduced the annual "Safety Talk"

Ameer Chattergoon



- ATCO 11 years at Piarco tower in Trinidad
- RVP for the southern Caribbean December 2021 to present.
- Math and Physics Tutoring Specialist.
- International Relations Director for TTATCA since 2016
- Currently training in Radar Surveillance in the TTCA Training Centre.
- Musician and singer.

Tom Flanary



- Bachelor of Science in Aeronautics
 - Embry Riddle, Daytona Beach, 2009
 - Minor in: Homeland Security, Meteorology, ATC
- Air Traffic Controller, 2011-2023
- First Responder, 2006-2022
- Lead Puerto Rico NATCA Response, 2017
- Committee Chair 2018-Present

History

Major Events:

1992 – Hurricane Andrew & NATCA
Disaster Relief Fund Created

2017 – Hurricane Irma/Maria/Harvey

2018– Hurricane Michael / Florence

October 2018 – NEB Creates Disaster
Response Committee

2019 – Hurricane Dorian

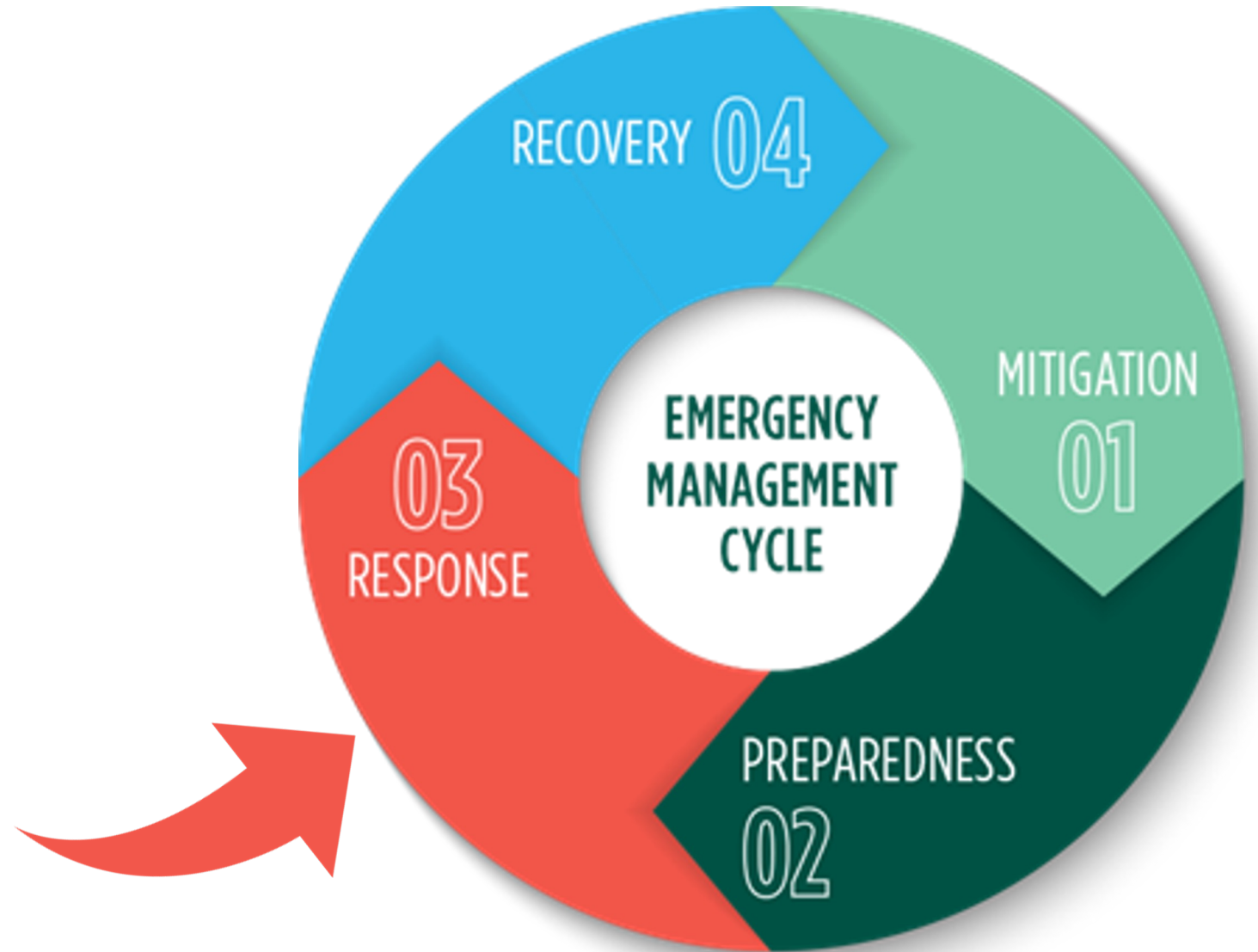




The Paradigm Shift

- Reactive vs. Proactive

The Tendency is to Start at the Emergency





**EMERGENCY
MANAGEMENT
CYCLE**

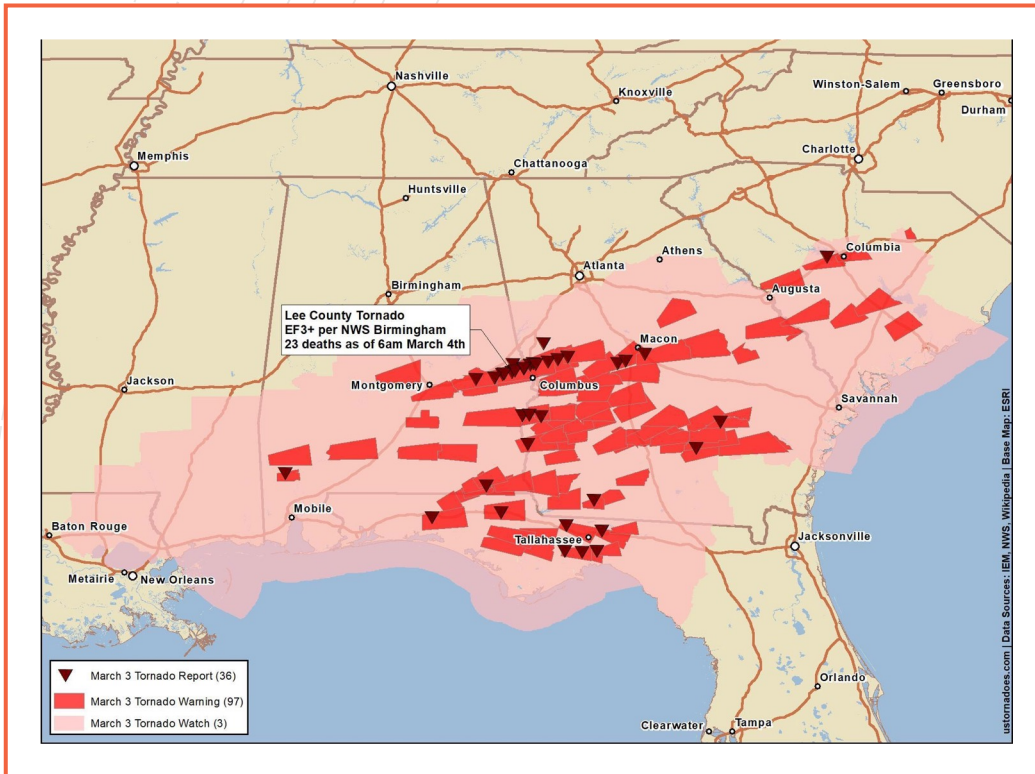
RECOVERY 04

MITIGATION
01

03
RESPONSE

PREPAREDNESS
02

2018: Committee Formation



- **The need for a group that:**
 - Plans for various natural & manmade emergencies **for members** at different facilities
 - Educates membership about hazards in their area, and how to mitigate these threats.
 - During an emergency, assess and prioritize resources so that they're ready when the danger subsides.
 - Responds to the event

Who are we?

An all NATCA volunteer committee with 8 Committee Members.

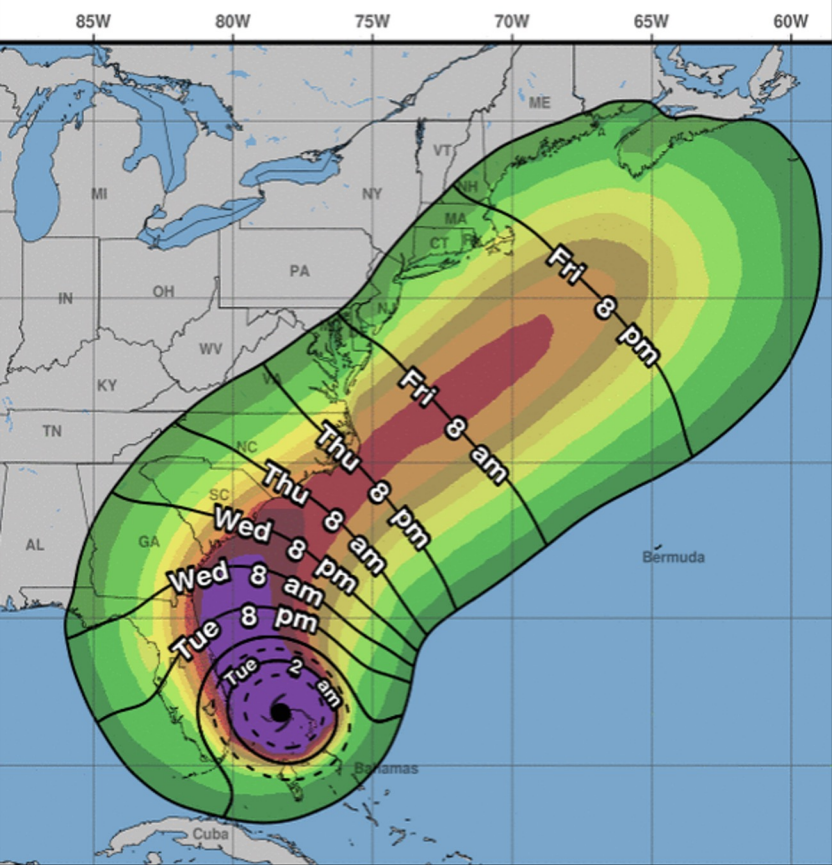
Numerous volunteers to help when disaster hits their areas.



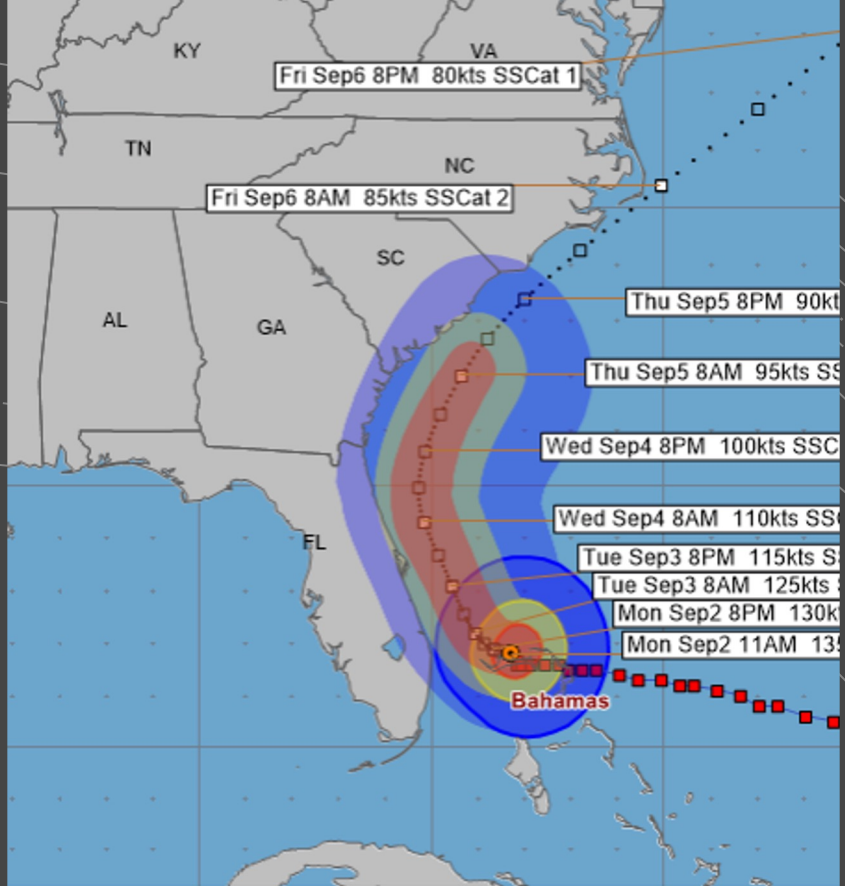
The image features a central red speech bubble with a white border and a downward-pointing tail. Inside the bubble, the text "What's the response look like?" is written in a white, sans-serif font. The background consists of several concentric circles, some solid and some dashed, in a light gray color, creating a ripple effect around the central bubble.

What's the response look like?

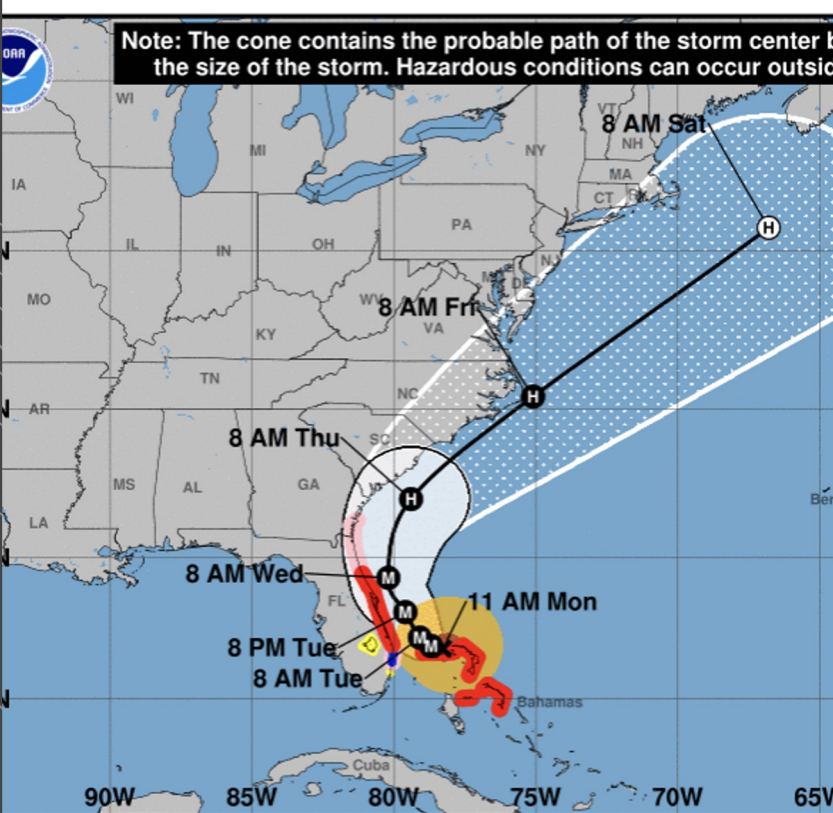
Most Likely Arrival Time of Tropical-Storm-Force Winds



Storm Location ○ < 34 kt (39 mph) 5-day chance of receiving sustain
 & ○ 34-63 kt (39-73 mph)
Wind Speed ● ≥ 64 kt (74 mph) 5 10 20 30 40 50



Monday, September 2, 2019 11 AM EDT Advisory #37
 26.8 N 78.3 W Maximum Sustained Winds: 135 kts (Cat 4) Movement: 1 kts W
Surface Wind Field: ● at current location ● along 3-day forecast track
 ● tropical storm ≥ 34kt/39mph ● strong tropical storm ≥ 50kt/58mph ● hurricane



Hurricane Dorian
 Monday September 02, 2019
 11 AM EDT Advisory 37
 National Hurricane Center

Current information: x
 Center location 26.8 N 78.3 W
 Maximum sustained wind 155 mph
 Movement W at 1 mph

Potential track area: Day 1-3 Day 4-5
Watches: Hurricane Trop Stm
Warnings: Hurricane Trop Stm

Using Open-Source Information



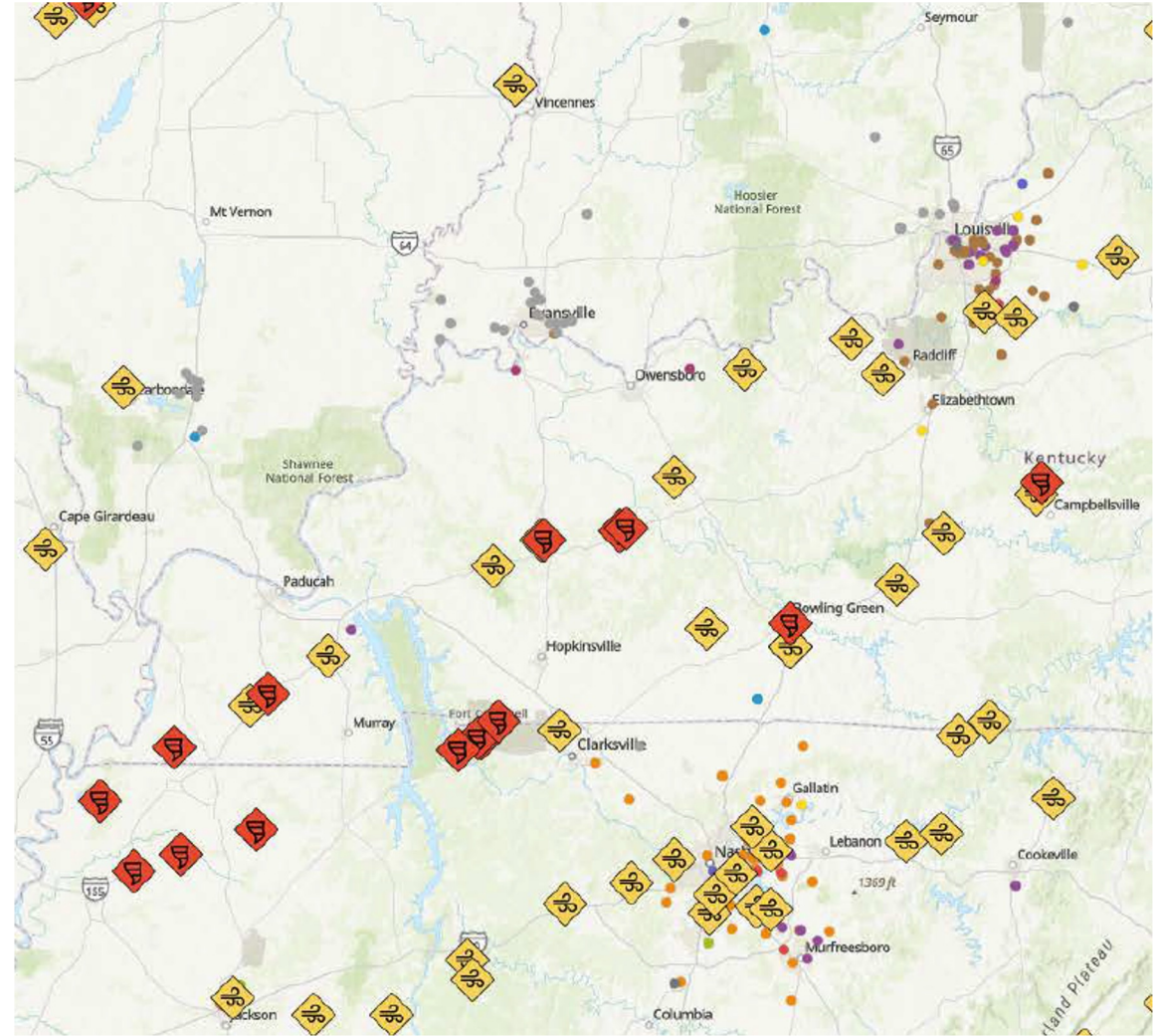
Collecting Images and Satellite Pictures



Using Volunteers to Collect Information

Data Collection

We overlay maps with weather data to see where the nearest potential impact is.



Resources:

With people

With goods/services from the
Disaster Relief Fund





Our Response can be by
air:



Some Supplies go by
Ground:



Volunteers
make a huge
impact!

- We also bring in volunteer NATCA members to help in extremely hard-hit areas.
- This method brings in fresh people who haven't been living in the disaster area.