



**SCRiM** 

## Tropical Cyclone Awareness and Preparedness in Cape Verde Ayesha Wilkinson<sup>1</sup> NSF Dr. Gregory Jenkins<sup>2</sup> Florida State University<sup>1</sup>, Penn State University<sup>2</sup>

# Development of Tools to Aid Tropical Cyclone Preparedness

Watch Flyer. Designed for an Orange category and usually 48-36 hr. gap between the islands and the storm. Orange means likely on the severe weather scale. This was created to mimic the National Weather Service and also attach colors to grab attention.

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# Methodology

- Before the process of implementing these tools for Cape Verde, I conducted research pertaining to the history, culture and location of the islands. I also researched the background of tropical cyclones that had affected the islands and how they develop from African Easterly Waves. This research led to the discovery that Cape Verde lacked the important tools for awareness and preparedness systems for the communities on the Islands.
- I started to create a website design in a limited time period with direct contact from the governmental weather service of Cape Verde through Dr. Gregory Jenkins. This government initiative by Cape Verde is completely new and goes by the name INMG (Instituto Nacional de Meteorologia e Geofisica). I used four colors to outline the severity of potential storms.
- My flyers consist of the following and in order of importance: timing, impacts, and the tropical cyclone emergency kit. The learning modules were modified for younger children which is Sandro (fish) for grade school and Michelle for young adults and families.



### **Conclusion & Future**

Although this is an on-going process, I created the flyers and educational games in hopes of preparing the nation of Cape Verde. Working with Cape Verde government officials and INMG, I would like to create more educational ideas for children for their website and for local school teachers. Educating the younger generation could help build awareness in homes and communities. Creating flyers such In later years hopefully Cape Verde can be consider a weather ready nation (WRN) under NOAA and once apart of this organization, Cape Verde could possible receive a weather radar. The radar could improve forecast in Cape Verde and track potential tropical cyclone development. The radar could also be used as hurricane data with the National Hurricane Center and potential track storms before it could possible carry to the east coast of the United States.



### Acknowledgments & References

<sup>1</sup>Dunbar, Brian. "What Are Hurricanes?" NASA. NASA, 4 Sept. 2015. Web. 25 July 2016. Canva.com

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