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## Project work

APPLY NOW

Title

**How do profiles of  
evaporation rates and  
drop size distributions  
look like in the tropics?**



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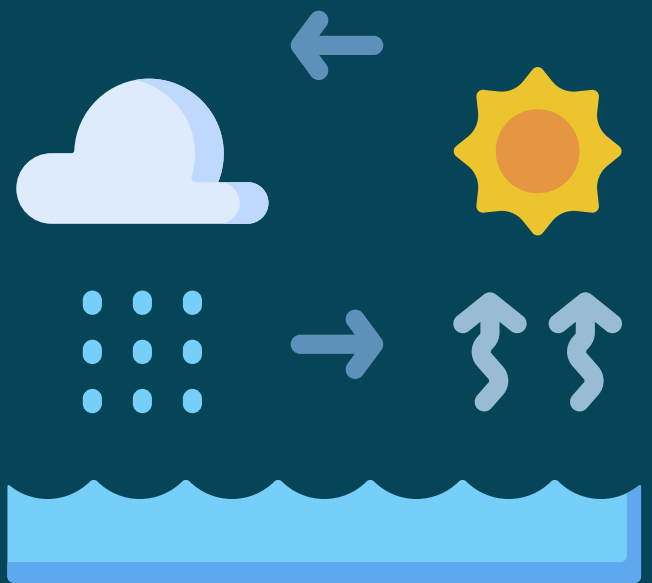
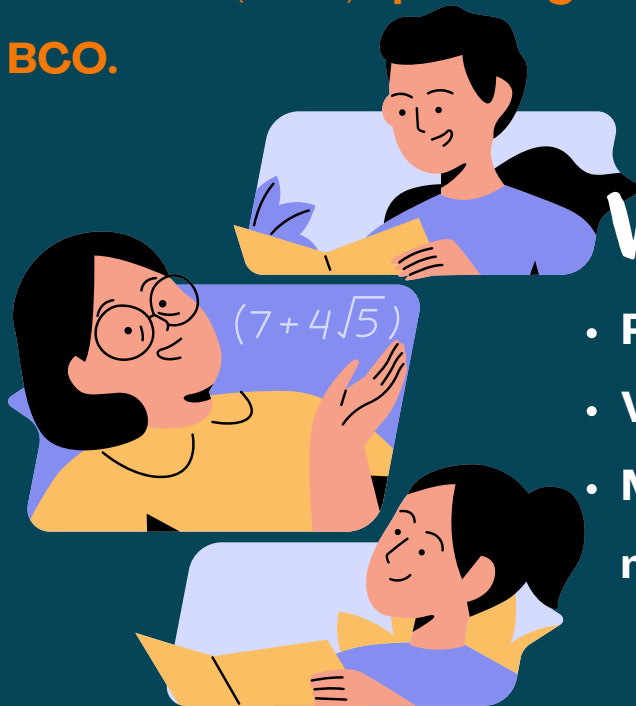
# Motivation

In the tropics, the evaporation of rain plays a crucial role in the formation of new clouds and in the whole water budget of the atmosphere.



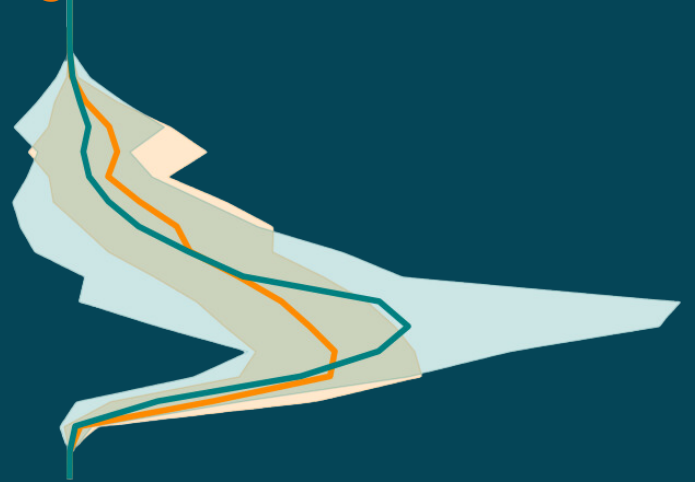
## Goal

Derive the size distribution of rain drops at every height by using the Doppler spectra from the micro rain radar (MRR) operating at BCO.



## The data

We did observations from Barbados Cloud observatory using cloud and precipitation radars to measure rain and derive how rain evaporates while falling in the ocean.



## What you will learn

- Programming in python
- Version control softwares (Github)
- Managing radar observations and multiple datasets