Understanding trade-wind cumulus mesoscale organization using field datasets gathered Jan-Feb 2020 east of Barbados

- Shallow clouds within the suppressed trade-wind region provide a mild but expansive radiative cooling to climate that varies with cloud fraction

- The cloud fraction is sensitive to large-scale circulation variability affecting the wind, moisture vertical structure and internal cloud-aerosol-precipitation interactions

- This project will explore these relationships using new datasets gathered during the ATOMIC/EUREC4A* field campaign


Graduate Research Assistantship available, Prof. Paquita Zuidema