**Curriculum Vitae**

**Kenneth Anthony Kerr Science and Technology Officer**

**Caribbean Meteorological Organization Headquarters Unit, Trinidad and Tobago**

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**PROFESSIONAL SUMMARY**

Climatologist and Meteorologist with over 40,000 hours of operational work. Possess an M.Sc. in Applied Meteorology and Climate with Management, a B.Sc. Meteorology and Computer Science and Post-Graduate Certificate in Cost-Benefit Analysis in Disaster Risk Reduction. Expertise in scientific and technical meteorology-related work at national, regional and international levels. Skills and practical knowledge in climate services development and operationalization, climate research, weather forecasting, scientific computing and programming, data mining and analytics, policy development, standard operations procedures development, research, project management and report writing.

**PROFESSIONAL EXPERIENCE** (**Selected**)

**Science and Technology Officer**, Caribbean Meteorological Organization **2022- Present**

* Kept abreast of developments within the World Meteorological Organization (WMO) and International Civil Aviation Organization (ICAO).
* Provided technical and scientific support to the activities of 16 National Meteorological and Hydrological Services of CMO Member countries.
* Provided support for CMO’s participation in WMO’s activities, including SERCOM II, III & Ext (2025).
* Participated in WMO Working Groups or focal point functions.
* Participated in RA IV Regional WIGOS Centre implementation plan review sessions.

**Chief Climatologist/Climatologist**, Trinidad and Tobago Meteorological Service **2013-2022**

* Planned, organized and directed the activities of the Climate and Applied Meteorology And Support Services Department of the Trinidad and Tobago Meteorological Service.
* Operationalized National Climate Outlook Forums at the TTMS that embraced the GFCS User Interface Platform principle.
* Designed and developed tailored climate products, information and tools based on user defined needs for disaster risk reduction.
* Developed and delivered authoritative and innovative climate products, including extended-range, sub-seasonal and seasonal climate forecasts, warnings and tools.
* Implemented seasonal dry spell and drought monitor and outlooks used in adaptation planning in water resource management.
* Developed 10-day agrometeorological forecasts & bulletins used by the rain-fed farming sector to mitigate climate extremes.
* Provided climate-science consultations and advice to the Ministry of Finance in relation to transferring the country's extreme weather risk, ex-ante.
* Provided climate science expertise to cross-ministerial teams in developing national policies, including development of a Dry Season and Drought Water Supply Plan for Trinidad and Tobago.
* Represented the Government of Trinidad and Tobago at regional and international meteorology-related meetings and conferences, including Head of Delegation to the IPCC and WMO Commission for Climatology.
* Functioned as chief media representative on climate science, early warning, weather and Climate services for the TTMS. Attended and hosted media briefing and interviews.
* Collaborated with other regional climatologists, meteorologists, and professionals to develop regional user friendly products.
* Facilitated research cooperation and data exchange within the region, liaised with and improved coordination within the region's weather and climate forecasting community.
* Wrote several precise reports and policy briefs after meeting IPCC sessions to inform Government on outcomes, policy options, action items and recommendations.

**Senior Meteorologist**, Trinidad and Tobago Meteorological Service **2009- 2013**

* Prepared, updated, customized and delivered highly local weather forecasts to the general public, news media and on all media platforms.
* Identified extreme and severe weather events and provide early and actionable forecasts and warnings.
* Guided junior weather forecasters, meteorologists and experts in determining and delivering useful and accurate weather forecasts.
* Supervised meteorological stations observation and monitoring and implement various techniques for research and analysis of weather.
* Developed and supported the preparation of the hydro-meteorological and flood forecasts, warnings and drought reports.

**Meteorologist**, Trinidad and Tobago Meteorological Service **2003-2009**

* Recorded and analyzed data from weather stations, radars, satellites, and remote sensors.
* Issued severe weather watches and warnings for flood, tropical storms and hurricanes.
* Delivered warning through the early warning system for hydro-meteorological disaster preparedness.
* Provided customers with weather reports and forecasts.
* Interpreted observations from land, sea, and atmosphere.

**PROFESSIONAL ACTIVITIES** (Selected)

**Regional and International**

**2022- present Services**

* **Chair, WMO RA IV Services Committee –** 2023 – 2025**.**
* **Organizing Member and Presenter** - **Regional webinar:** Climate Services in RA IV: Good practices and contribution to adaptation and risk management (2024).
* **RA IV Priority List of Hazards** – Led the development of RA IV Priority List of Hazards (2024).
* **Panelist and Presenter-** 2nd WMO-IMO Symposium on Extreme Maritime Weather: Bridging the Knowledge Gap Towards Safer Shipping (2024).
* **Co-Author WMO Early Warning Paper** - All-Members Approach to Project Coordination on Early Warnings in the Caribbean (2024). WMO Bulletin Vol. 73 (1) – 2024.



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