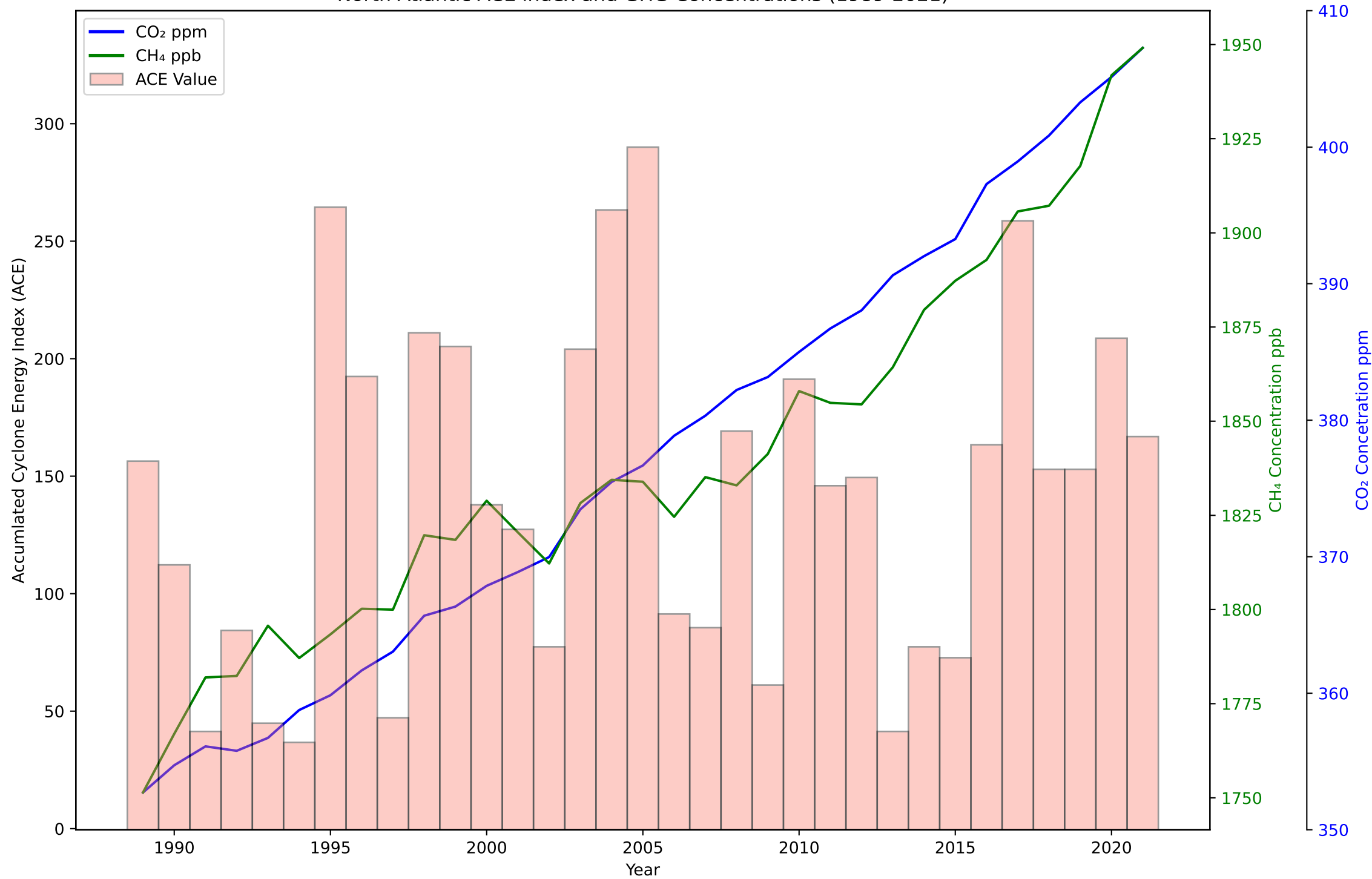


North Atlantic ACE index and GHG Concentrations (1989-2021)



This visualization presents the North Atlantic Accumulated Cyclone Energy (ACE) values alongside the concentrations of Carbon Dioxide (CO₂) and Methane (CH₄) measured from the Hill Bermuda Site (NOAA). The ACE index represents the estimated cumulative cyclone energy dissipated annually in the North Atlantic Hurricane Basin. The primary objective of this visualization was to investigate a potential link between increasing greenhouse gas emissions and the level of the annual ACE index within a confined area. Although the visual analysis did not reveal a clear relationship between GHG emissions and the ACE index, further investigation is necessary to explore any relationship between GHG emissions and the ACE index.