Accra Coastal Vulnerability: The Low Elevation Coastal Zone, Population, and Infrastructure

This map depicts population density, roads, and nighttime lights extents in relationship to the low elevation coastal zone (LECZ) of West Africa in 0–2m, 2–4m, 4–6m, 6–10m increments. The LECZ approximates areas that could be affected by varying degrees of sea level rise and storm surge. References to data layers included in this map are found below. Note that patterns of land subsidence and other crustal processes means that sea level rise will not be uniform in the coastal zone. Storm surge will also exhibit patterns of spatial differentiation depending on wind patterns. Because of differences in scale and spatial resolution in the original data sets, there are spatial mismatches between the LECZ, the land layer, and the political boundaries. As a result, areas at the ocean's edge may appear to be outside the LECZ but are in fact within the LECZ, and political boundaries do not always match the coastline.

References:


Roads: OpenStreetMap, downloaded 23 April 2014.