

Impact of Aerosols on Ecosystem Health

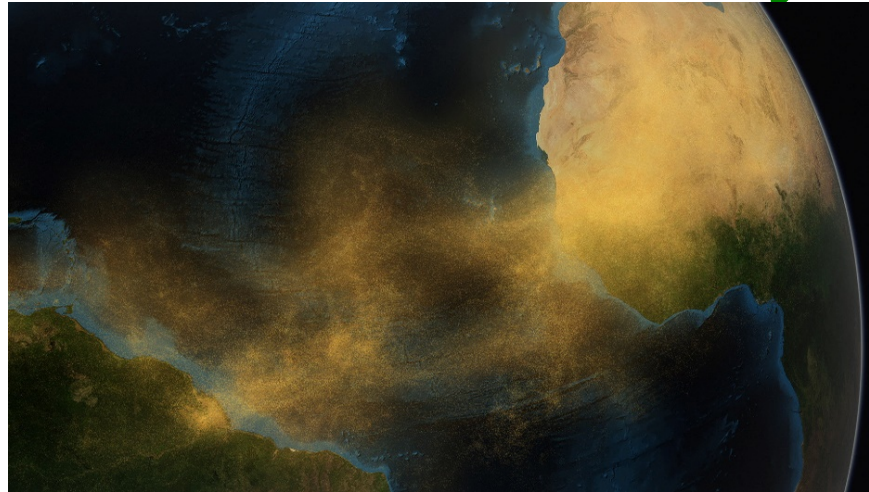


Figure 1: Satellite image of African dust being transported to the Amazon Basin. Image from NASA.

Aerosols (e.g., atmospheric particulate matter) are transported across the globe and contain nutrients that can stimulate primary production in marine phytoplankton and terrestrial vegetation. We are investigating the mechanisms and different aerosol sources, including African dust seen in Figure 1, that contribute nutrients to aquatic and terrestrial biomes and what the implications are for ecosystem health and the global carbon cycle. Interested students are encouraged to contact Dr. Gaston and to visit our lab website: <https://cassandragaston.weebly.com/>