The Regional Environmental Health Data Visualization app & an app developed to note bacterial zones of concern during extreme flooding events

Abstract:

Dr. Sala Senkayi is the recipient of the US-Presidential Early Career Award for Scientists and Engineers (PECASE), awarded by Former President Barak Obama. She's used these and Environmental Protection Agency's Office of Research and Development (ORD) funds to develop Environmental Health Data visualization tools or apps for the Agency. These apps help users note data relationships over time, and she'll focus on two apps during her presentation.

These include the Regional Environmental Health Data Visualization app (developed under a President's award) in addition to an app developed to note bacterial zones of concern during extreme flooding events like hurricanes (developed under ORD funds about five years ago). Both of these apps have been awarded FY23 ORD funding to enhance the tools - so what does the future hold? Join in to find out!

About the speaker:

Sala N. Senkayi, Ph.D. Senior Quality Assurance Scientist, US EPA
Dr. Senkayi works as a Senior Quality Assurance Scientist at EPA Region 7 in Lenexa, Kansas. She is the recipient of the US-Presidential Early Career Award for Scientists and Engineers (PECASE) and is the recipient of a State Department Embassy Science Fellowship where she develop apps for visualizing air quality index values (PM2.5) in Kampala, Uganda (her birthplace). Dr. Senkayi holds a bachelor's degree in Biomedical Sciences from Texas A&M University, two BSs in Microbiology and Biology from the University of Texas at Arlington, and an MS and a Ph.D. in Environmental and Earth Sciences from the same university.