Abstract

This article aims to present an end-to-end software solution capable of providing up to date weather and pollution values and health recommendations based on User profiles and personal health data, while making use of environmental satellite data processed in the back-end. This system demonstrates the possible range of applications of satellite-backed environmental systems that can assist and potentially replace the current expensive sensor-based systems, especially in developing countries in Africa.

References

2. Chak K Chan and Xiaohong Yao. Air pollution in mega cities in china. Atmospheric

**Index Terms**

Computer Science  
Software Engineering

**Keywords**

Android, Air Quality, Pollution, Weather, RESTful API