

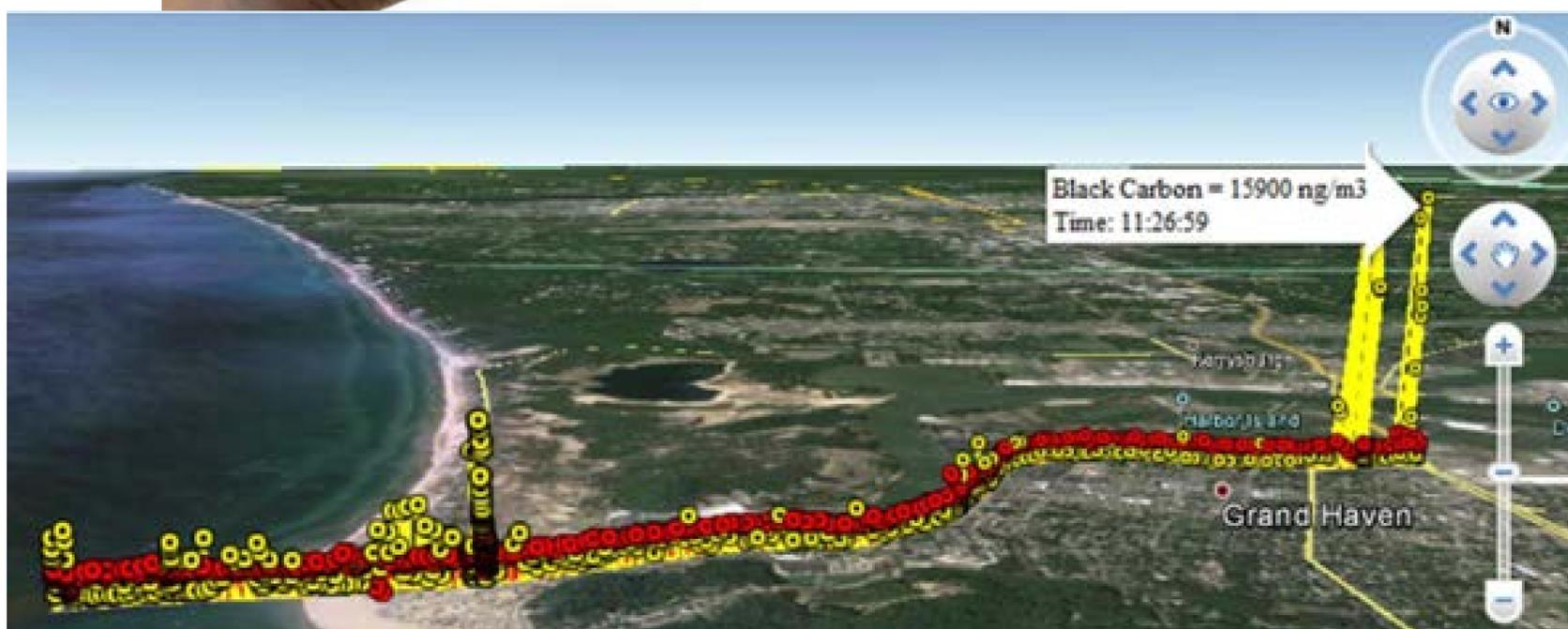
Personal exposure monitoring device for the air pollutants as an educational tool

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Engaging K-12 students and communities in taking preventive measures and advocating for the improvement of two of the most important air pollutants in terms of health effects, ozone and black carbon, is important for public health. Using pocket-sized, state-of-the-art air pollution monitors, including a sensor for black carbon and personal ozone monitor developed by 2B Technologies, students and citizen scientists have the opportunity to conduct their own personal monitoring experiments, and then visualize the 3-D graphical data on Google Earth.

A Personal Air Monitoring Module (PAMM) will allow measurements made by air quality sensors to be uploaded via a cell phone app for display on Google Earth within a public blog for data sharing and public discussion.



Market

Rental of devices to the following markets: education, local government agencies, environmental advocacy groups, with a follow-on international distribution plan.