

Empowering citizens through the science of air quality

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portable &

wearable

GOAL: Utilizing commodity sensors and an engaged community, build a framework to estimate and communicate air quality microclimates in an urban environment.

FRAMEWORK

open data visualization, open data API, personal informatics

mapping system statistical modeling, uncertainty, spatiotemporal maps, privacy

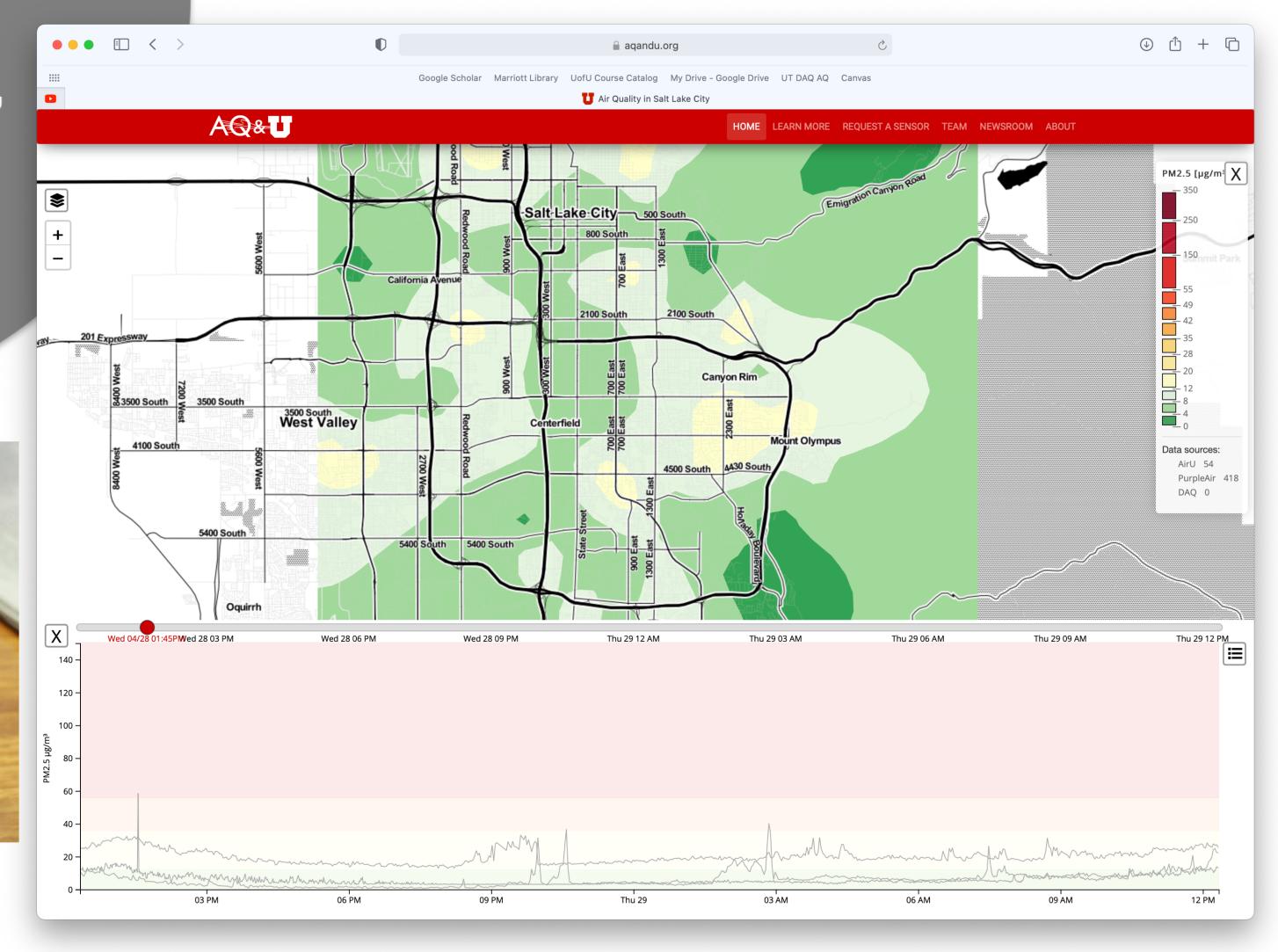
communications leverage existing infrastructure

sensor network low cost

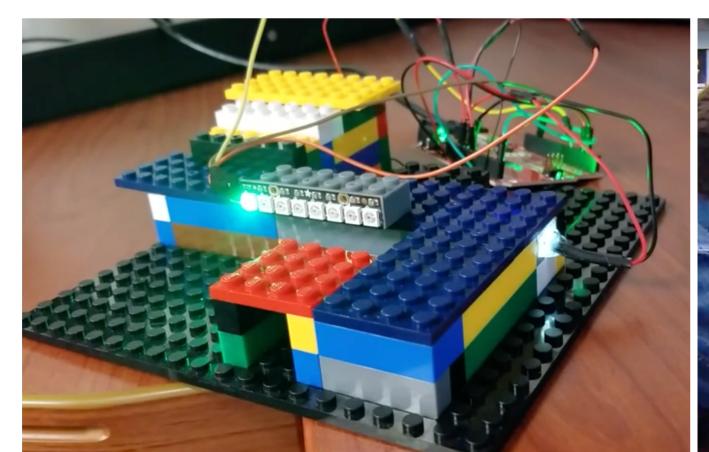
connected community:

citizen scientists, businesses, local government, students

We have distributed over 200 of these AirU sensors across Salt Lake City.



A publicly available map of real-time air quality estimates.







Lego maker kits deployed in local high schools to teach kids about air quality and particulate matter sensors.