1952008, SCC-IRG TRACK 2: SMART AIR: INFORMING DRIVING BEHAVIOR THROUGH DYNAMIC AIR-QUALITY SENSING AND SMART MESSAGING

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SmartAir



Concentrated idling causes microclimates of elevated pollution. Some people spend significant time in these microclimates.

Intellectual merit

Leveraging dynamic feedback about idling and air quality with community-crafted At this moment, no one is idling messaging to understand individual decision making.

Community-crafted messaging

- UCAIR partner meeting
- Intermountain healthcare communications
- Surveys of several social-norm messages
- Evaluated message effectiveness

Broader Impact Benefits

- Individuals in idling microenvironments
- Policy makers seeking to promote positive individual choices



Broader Impact Sustainability

Our vision is to have dynamic airquality feedback, coupled with community-crafted messages, that is as ubiguitous as road-side speed displays

Next steps

Show

Air pollution harms our patient's health.

Refine idle detection system

UTAH CI FAN AIR-PARTNERSHIP

MAKING ROADS SAFER

- Finalize community-crafted messaging
- Pilot testing at partner locations
- Refine system/messages

SPEED

LIMIT

25

OUR SPEED

Air pollution harms our patient's health.

At this moment, someone is idling. se turn off your engi

Community

partnerships

Vehicle and idle detection