



A.I.R.

ATMOSPHERIC INVESTIGATIVE RESEARCHERS

Our website provides an interactive map that shows real time and historical air quality data from all recording stations in the US

Members



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The Problem

Map: Air pollution kills millions worldwide. In the western U.S., the air is only getting worse.

For the first time in more than 15 years, the World Health Organization updated its guidance for acceptable levels of air pollution.

Health, Science, Environment

Air pollution in St. Louis helps fuel coronavirus spread

News

November 08, 2021

LOCAL

Summit held to discuss Pittsburgh's ongoing air quality issues and high asthma rates

Bedford: Council works to improve air quality

Code Orange air quality action day declared Monday for York County: What it means for you

Features

01

REAL-TIME AQI

Displays real time air quality index (AQI) for the entire US.
Update time is everyone one hour.

02

HISTORICAL ANALYSIS

Provides one year interactive map data to study the changes

03

ALERT SYSTEM

Alerts to subscribed users for increase AQI values

Methodology





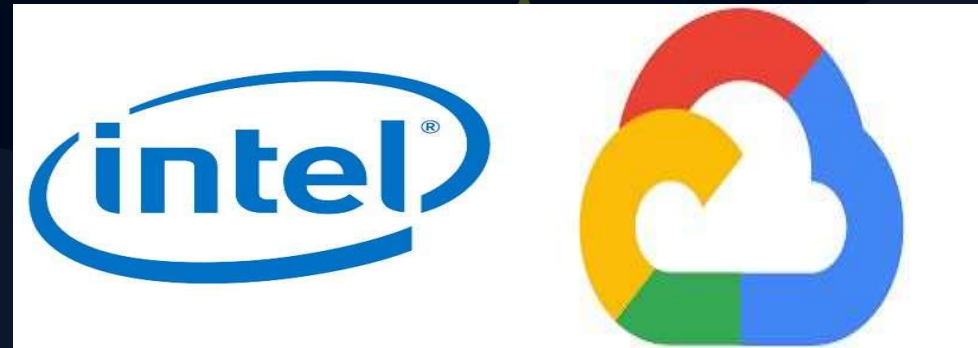
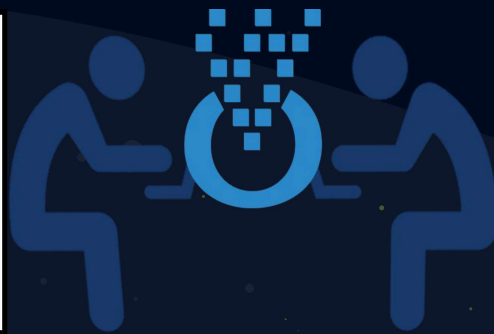
GitHub

Raharijao/A.I.R.-project: Team
submission for HPC in the City: Saint
Louis Hackathon (github.com)

Demo time

Acknowledgment

We would like to give a special thanks to Alex Nolte, Amy Cannon, Boyd Wilson, Je'aime Powell and Linda Hayden for hosting this Hackathon. And thank you to our sponsors.



Extreme Science and Engineering
Discovery Environment

Data and source

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- Department of Public Affairs and Marketing UC Davis Health. Surviving summer with chronic lung disease. Retrieved November 8, 2021 from https://health.ucdavis.edu/welcome/features/2017-2018/06/20180629_summer_copd.html
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