Low Cost Monitoring Project (LCMP)
Cohort 48: Online Resources

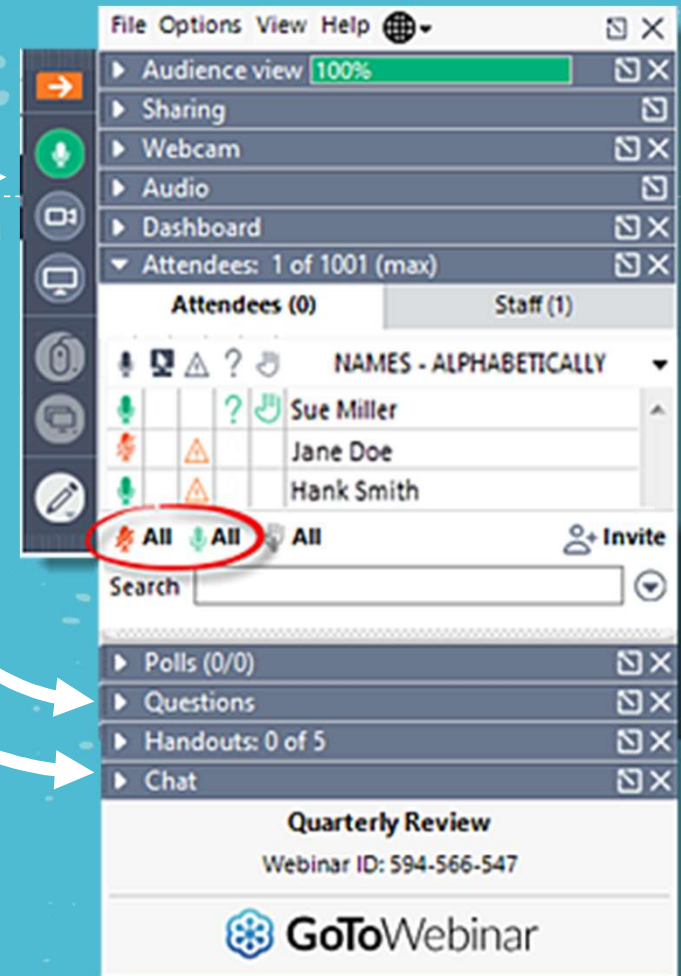7:00 PM Thursday July 22, 2021   10:30 AM Friday July 23, 2021

The Virtual Classroom

- Feel free to keep your mics on (mute if noisy)

- Use "Questions" tab in the control panel to ask questions, or raise hand

- All links will be placed in the "Chat" tab in the control panel. Comments can be added here as well.

This Meeting is Being Recorded

Your Name & Who's with You

Your Location

Favorite Website / App?

Brownie points if it is air quality related!

One Health Related Question for Sam to research?

01

Introductions

Cohort 48

Bill's family

Scott   **Kate**   **Alyssa's Family**   **George**   **Cathy's Family**   **Nickie**
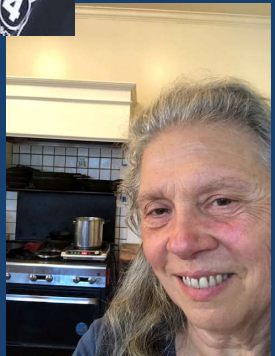
LCMP Team

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Agenda

1. Overview of resources for ambient air quality
2. Explore Pittsburgh-specific resources
    1. ROCIS Weebly Dygraph
    2. Smell Pittsburgh
    3. Plume Pgh
    4. Create Lab VOC Tool
3. Familiarize with mapping tools (US & beyond)
    1. Purple Air
    2. EPA AirNow
4. Kahoot – kahoot.it on your cell phone *(or in a 2nd window)*

1. Access online resources & learn how to navigate their key features

2. Trace your readings on the online, outdoor Cohort 48 ROCIS Weebly dygraphs

3. Use online resources to determine if poor vs. good air is a local or regional phenomenon

02

Meeting Objectives

Resources for Ambient Air Quality

- ROCIS LCMP Weebly site

  http://lcmp-test.weebly.com/round-47-small.html

- Smell Pittsburgh   Plume Pittsburgh

  https://smellpgh.org   https://plumepgh.org

- CMU VOC Monitor map

  https://voc.createlab.org/?c=tVOC

- Purple Air Map

  https://www.purpleair.com/map

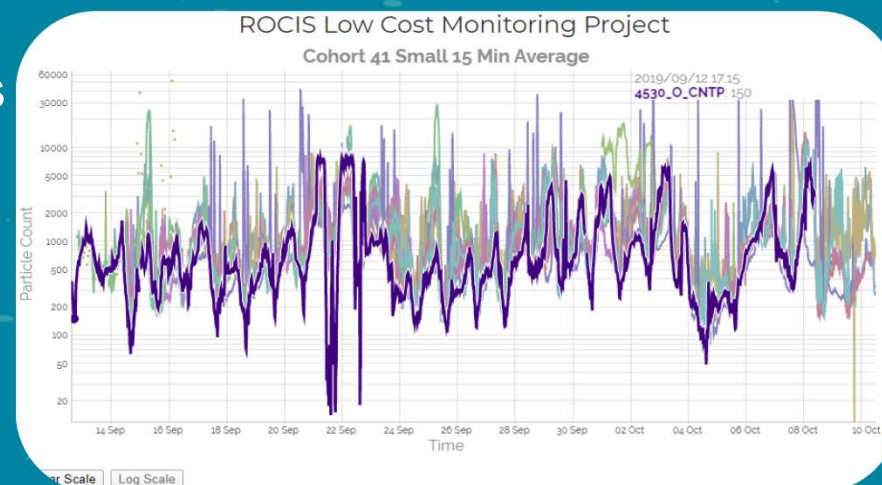- US EPA AirNow

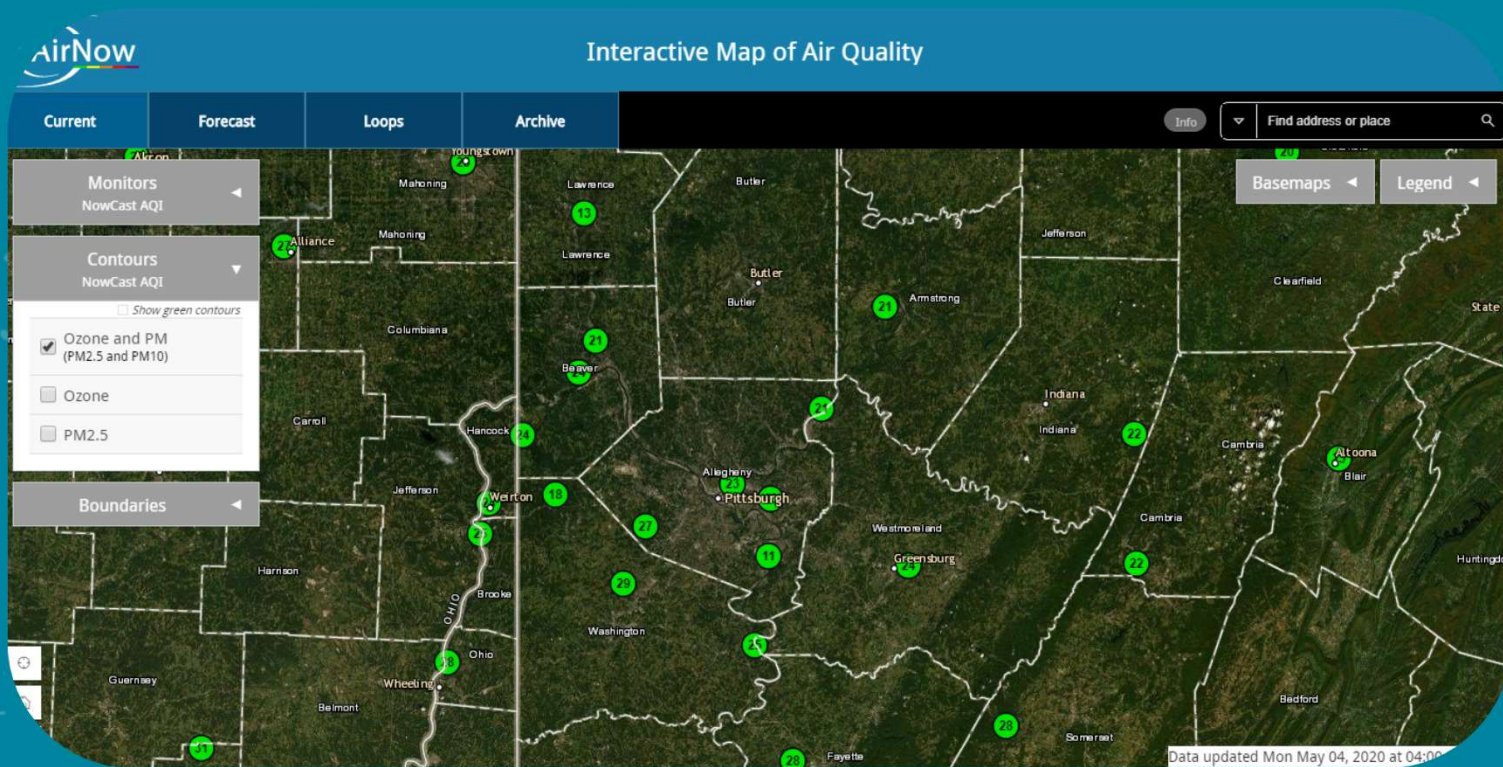 https://www.airnow.gov

ONLINE RESOURCES

ROCIS Weebly Dylos Dygraphs

- Type of scale? → Variable scale, log or linear

- Period of data? → 1 cohort at a time, all cohorts viewable

- Data displayed? → Outdoor ONLY

- Helps identify local & regional particle trends

- Requires a neighborhood or anonymous code to ID your data

- Has zoom capabilities

http://lcmp-test.weebly.com/

ROCIS Low Cost Monitoring Project
Cohort 41 Small 15 Min Average

US EPA AirNow

https://www.airnow.gov

US EPA AirNow

- Current & projected air quality

- National or regional in scope

- Animation

- Reports PM 2.5, PM 10, & ozone

- Archive

- Plan to engage Purple Air data base for better local resolution (incorporated now in wildfire/smoke map)
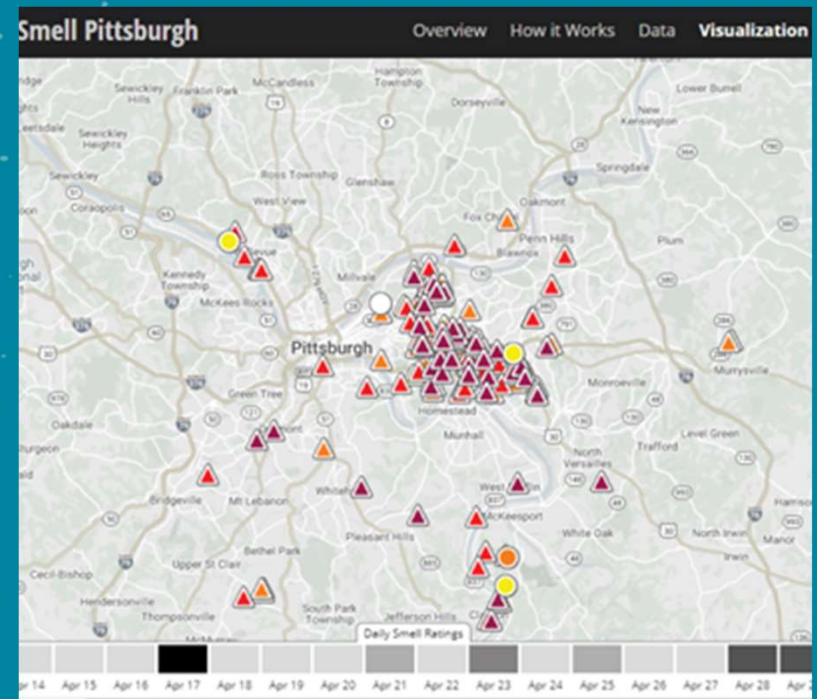

https://www.airnow.gov

CMU CREATE Lab:
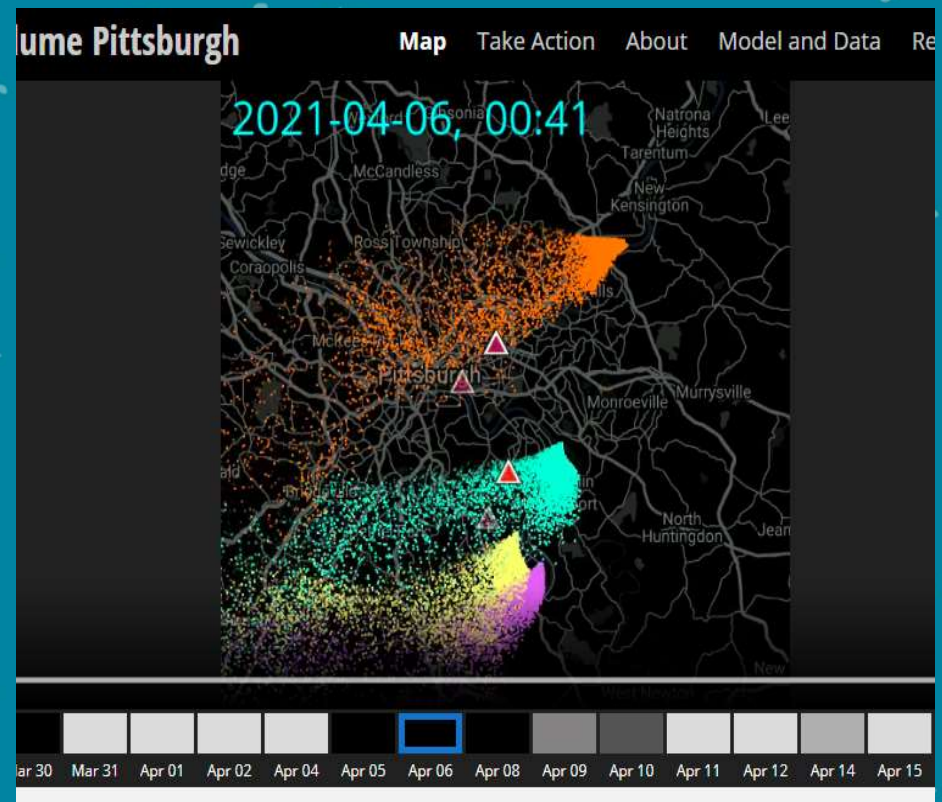# Smell Pittsburgh

https://smellpgh.org

- Pittsburgh region

- Real time & historic

- Crowdsourced reports

- Connects to ACHD (Allegheny County Health Department)

- PM & wind direction from county monitors

- Animation feature

CMU CREATE Lab: Plume Pgh

https://plumepgh.org

- Pittsburgh region

- Real time & historic

- PM & wind direction from pollution sources

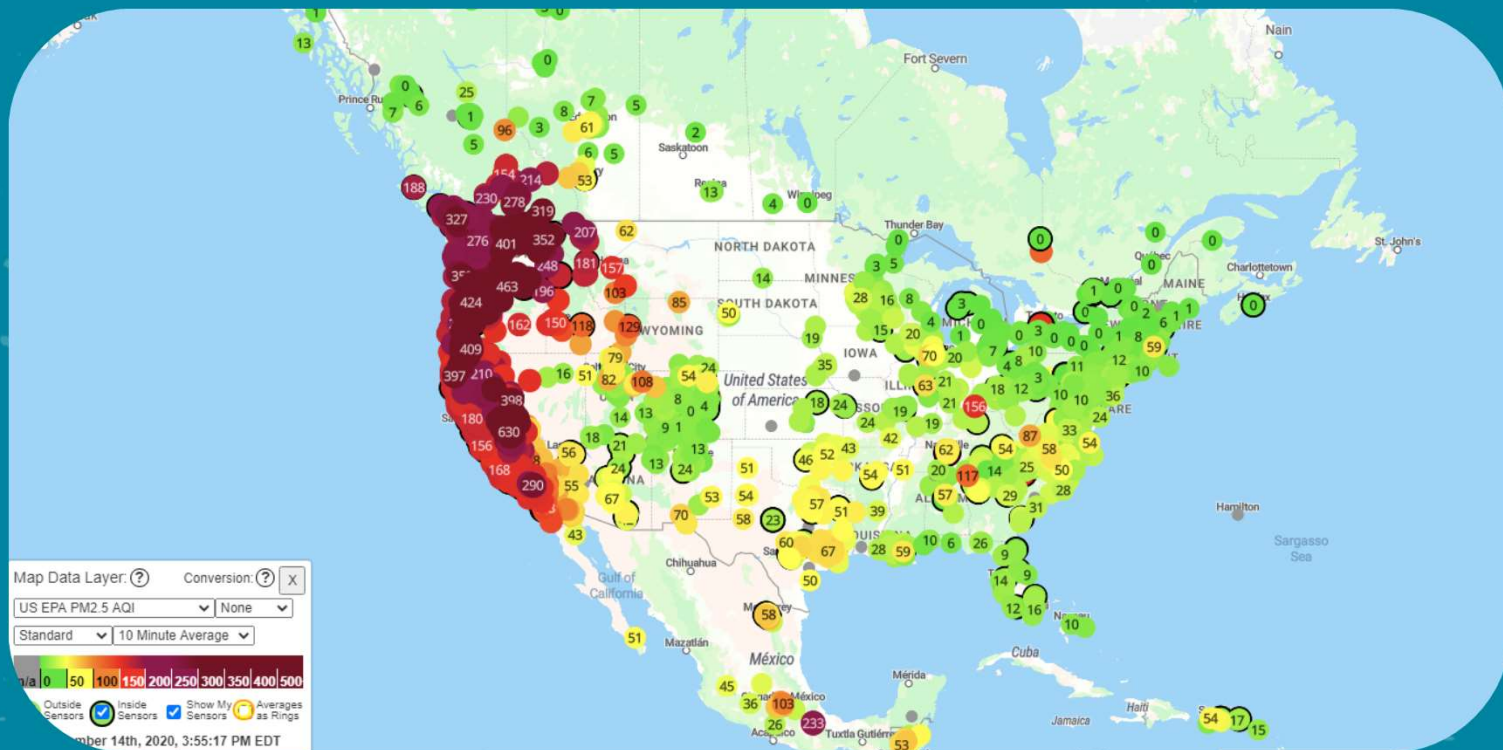- Animation feature

CMU CREATE Lab: VOC Monitors

https://voc.createlab.org/?c=tVOC

- Pittsburgh region – outdoor only

- Real time & historic

- Reports from CMU monitor network

- Helps identify local & regional VOC trends

- Animation feature

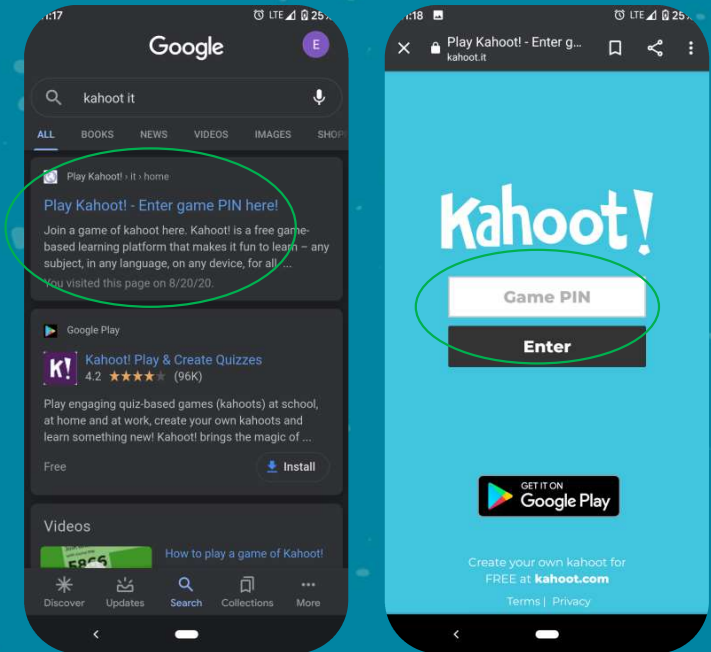# Purple Air

https://www.purpleair.com/map

Purple Air

- Global monitor network

- Real time & historic

- Reports from individually owned monitors

- Indoor & outdoor data
  - PM, Temperature, RH

- Toggleable key
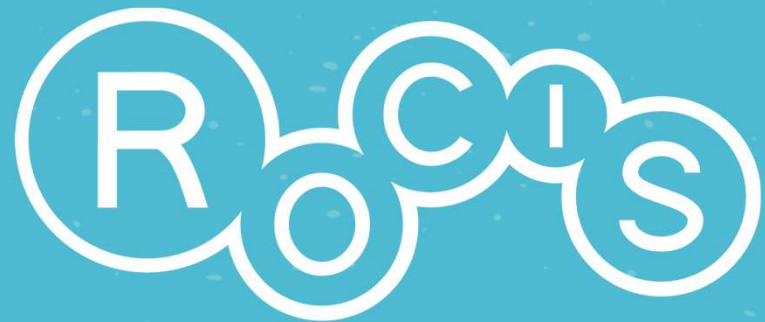
QUIZ!
ROCIS ONLINE RESOURCES

- Type kahoot.it in your browser

- We will give you the pin

Wrap-Up

03

ROCIS

1. Access online resources & learn how to navigate their key features

2. Trace your readings on the online, outdoor Cohort 48 Weebly dygraphs

3. Use online resources to determine if poor vs. good air is a local or regional phenomenon

04

Meeting Objectives Review

Need Help? Who to Contact

- **Coordination & Logistics:**

  - Emily Dale - text: 724-833-8223 or ke_dale@hotmail.com

- **Equipment issues:**

  - Rob Busher - text: 412-437-8454 or robb@rocis.org

  - Samantha Totoni - text: 217-390-1842 or skc35@pitt.edu

- **Interpretation of monitoring readings:**

  - Don Fugler - dfugler@gmail.com

  - Rob Busher - text: 412-437-8454 or robb@rocis.org

- **Social Media Postings:**

  - Jessie Kester - text: 814-937-7365 jessicalkester@gmail.com

Cohort 48 Challenge

Step 1: Select a Dylos spike (with a known specific source) you have observed that ideally occurs several times a week

Step 2: Identify several ways you can reduce the intensity and/or duration of that spike

Step 3: Experiment to reduce that spike as much as possible

Step 4: At the Wrap-up meeting, let us know what you learned & what worked!

Accessing Cohort 48 Resources

- Limited Access Website page*
  - Handouts
  - Forms
  - Slide decks from meetings
  - Links to recordings

http://rocis.org/rocis-lcmp-cohort-48

Schedule & Topics

75-minute Online Meetings
7 PM Mon. & Thurs., Repeated 10:30 AM Tues. & Fri.

Important Dates:

July 24   Dylos Downloads
July 31   - Upload with photos of
Aug 7   log & incident report

Aug 10   Kit Pick up

Meetings:

July 26 or 27   Behavioral Interventions
July 29 or 30   ROCIS Filtration Interventions
Aug 2 or 3   Health Impacts of Particles and YOUR
                                          questions Answered

Aug 5 or 6   Wrap-up Meeting
                        – please consider contributing you
                                          experiences

Meetings in blue are required.

Thanks!

**Thanks to Phil Johnson & The Heinz Endowments for support of the ROCIS initiative
(Reducing Outdoor Contaminants in Indoor Spaces)
and our 385+ LCMP participants**

QUESTIONS?

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CC someone else too

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