



WELCOME

Youth apprentices, air quality data and faith for a healthier future



Lina Tran / WUWM

Pastor Mary Martha Kannass, Skie-Lee Meadows, and Amira Pechauer on the front steps of Hephatha Lutheran Church.



Inspiration

- Highest asthma rates in Wisconsin
- Elevated Particulate Matter 2.5 (PM_{2.5})
 - EJ Screen Tool
- People are the heart of Hephatha Lutheran Church



Meet our youth apprentices...

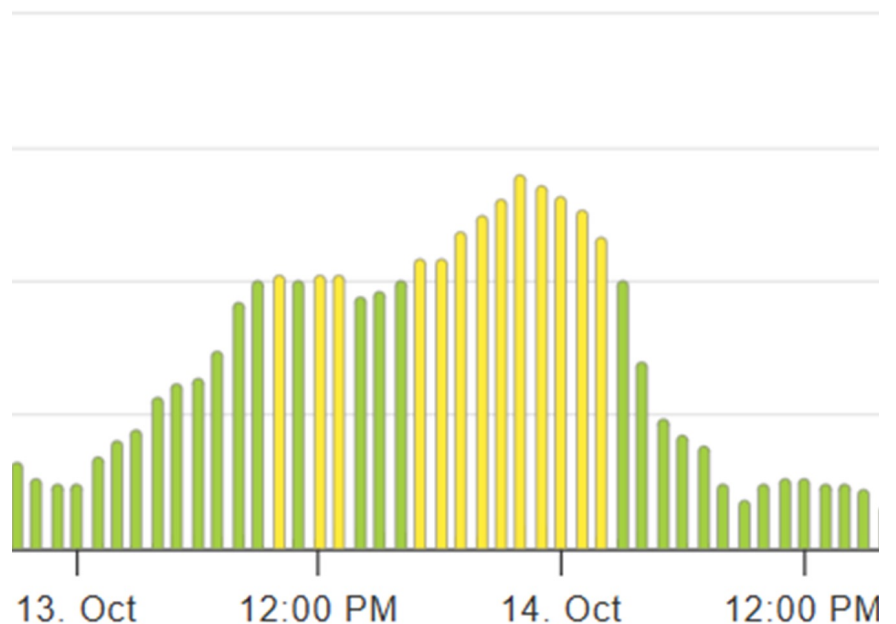
- Amira, Ameca and LaQuon



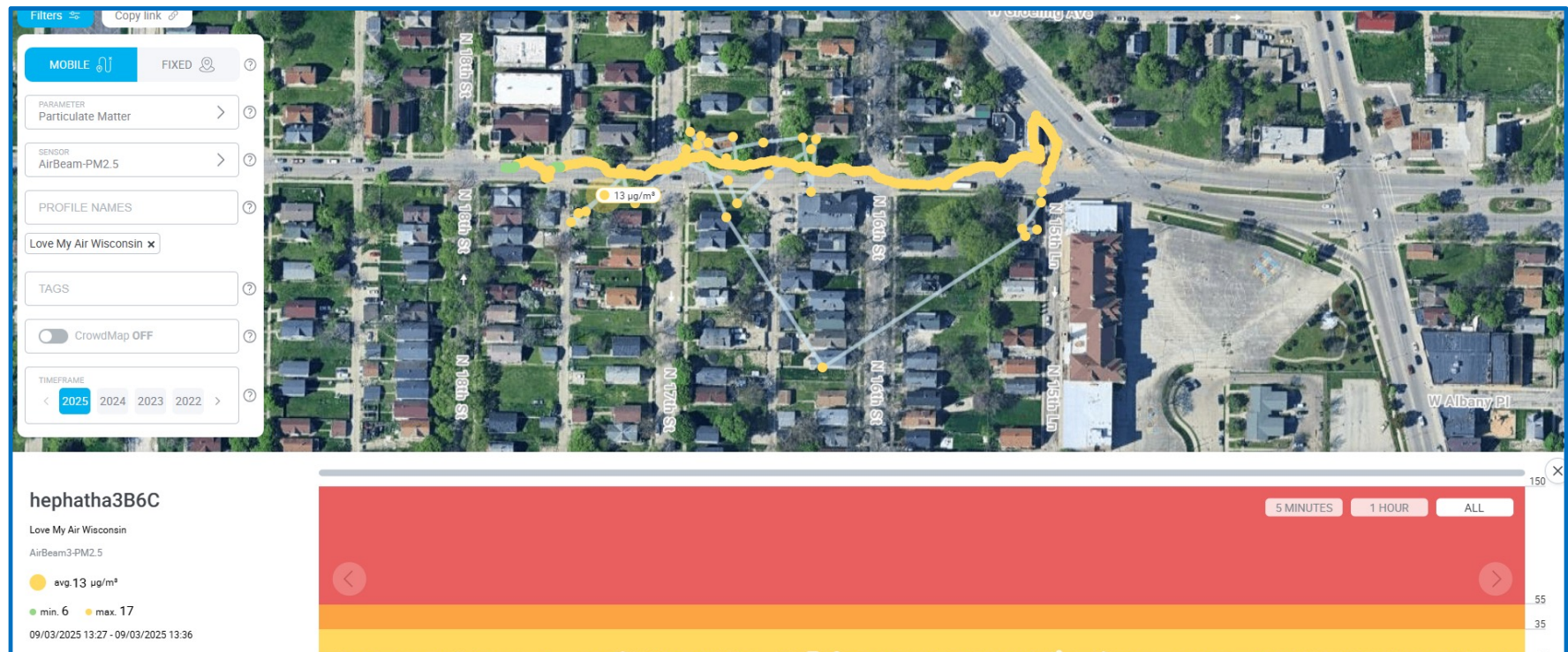


Particulate Matter 2.5 (PM 2.5)

- Observations
 - Mostly in the green and yellow zones.
 - Higher PM 2.5 overnight into mornings.

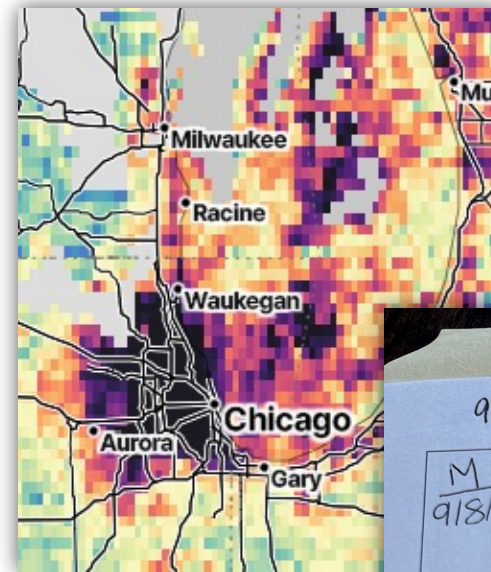


AirBeam



TEMPO

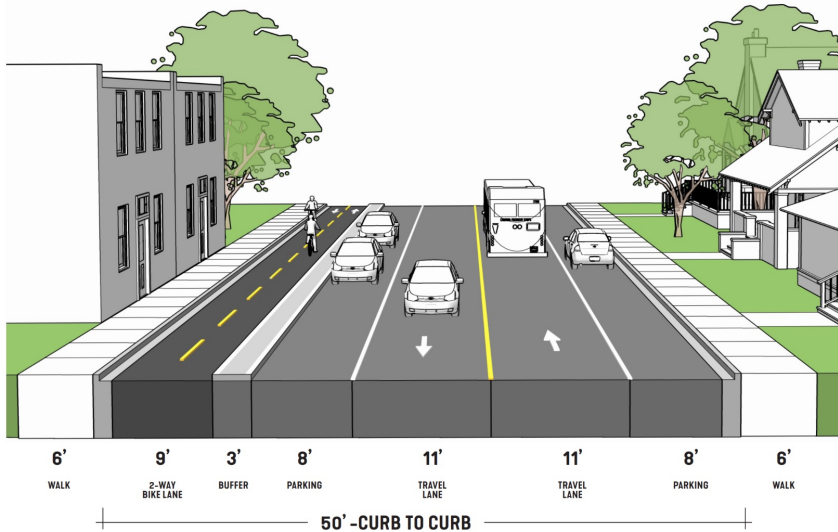
- Trends
 - NO₂ elevated during commute times (7 a.m.–9 a.m. and 3 p.m.–6 p.m.).
 - Chicago's air quality has a major impact on Milwaukee's air quality.
- Apprentices' reflections
 - Shocked to see air quality in the black zone.
 - Surprised by Chicago's influence on our air.
- Feedback
 - Great visual and easy to use.
- Fun seeing air quality on specific days, like their birthdays.



9/8 - 9/14		
M 9/8/25		Darker colors 8:30 am 9:00am 2:00 - 6:00 3:00 Pm
I 9/9/25		Clusters 8:30am



What can we do?



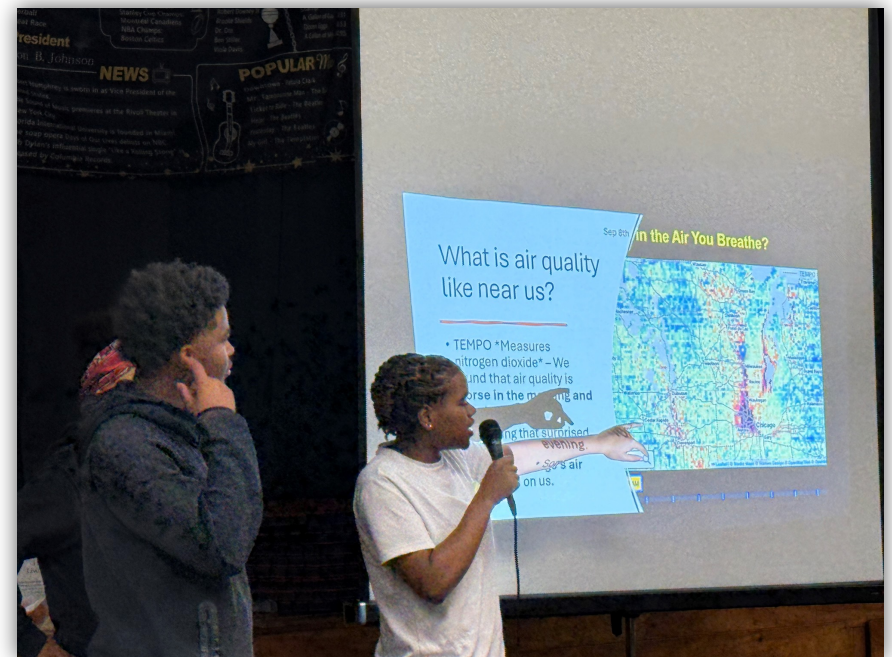
Two-Way protected Bike Lane

- Advocacy (youth voice)
- City of Milwaukee – Protect Bike Lanes Project
 - Students met with City of Milwaukee project lead
- TEMPO data used to write questions:
 - “Will it cause people to not idle in front of Hopkins school?”
 - “If cars have to stop at the light, will that mean more air pollution since they are idling longer?”



What can we do?

- Focus (want to help people)
- Raise awareness
- Spoke to church after Sunday worship
- Presented observations from Particulate Matter (PM 2.5) and TEMPO data
- Talk with loved ones – shared ways to protect themselves



Next steps...



Continue data collection and analysis



Continue raising awareness

Hopkins events
Presentations



Ideas





THANK YOU

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