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UNIVERSITY OF WISCONSIN–MADISON

What are the barriers to wider adoption of satellite data for health and air quality?

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NASA

Potential Barriers

- Not knowing satellite data for air pollution exists
- Not knowing if satellites provided information relevant “to me”
- Not knowing how to access satellite data
- Not having data in a format that can be compared with monitors or models
- Not have a policy, legal, or decision-making framework to support satellite usage

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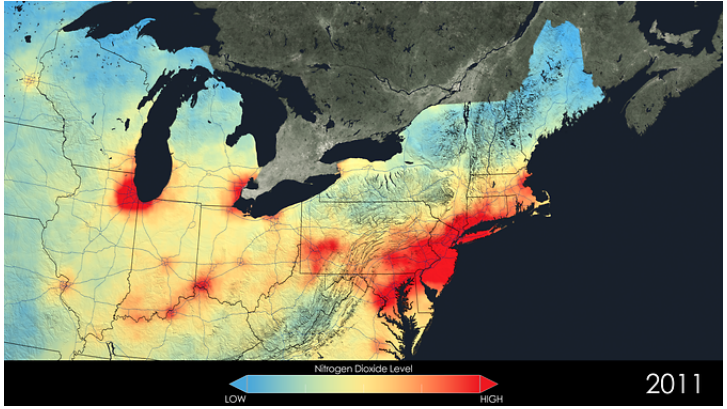

Potential Monitoring Site Purposes

A Role for Remote Sensing?

1. To Determine Compliance with National Ambient Air Quality Standards (NAAQS) — **No**
2. To Develop Regional Pollution Trends in Urban and Rural Areas — **Yes**
3. To Evaluate the Effects of Population, Land Use and Transportation on Air Quality — **Yes**
4. To Evaluate Air Dispersion Models — **Yes**
5. To Provide Air Quality Information to the Public — **Yes**

Adapted from a slide of Bart Sponseller, WI DNR (remote sensing added)

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NASA HEALTH AND AIR QUALITY APPLIED SCIENCES TEAM

Connecting NASA Data and Tools with Health and Air Quality Stakeholders

PEOPLE RESEARCH RESOURCES RELATED NASA PROGRAMS GET INVOLVED

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NASA WORLDVIEW TUTORIAL

NASA Worldview is the best starting point for users new to satellite data, and is freely available online. First-time visitors to the site are

haqast.org → resources

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Join our mailing list! Just email me:

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Thank you!