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

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June 21, 2016
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
Potential Barriers

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

Solution: Communication
Solution depends on use
Solution: Policy frameworks
Solution new tools/research
Potential Monitoring Site

Purposes

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)
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
Thank you!

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Thank you!