

NASA Health and Air Quality Applications

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• https://appliedsciences.nasa.gov/what-we-do/health-air-quality

NASA Health and Air Quality Applied Sciences Team (HAQAST)

• https://haqast.org/

NASA Training Opportunities

NASA Applied Remote Sensing Training (ARSET) program

• https://appliedsciences.nasa.gov/what-we-do/capacity-building/arset

NASA Earth Science Career Opportunities for Undergraduate, Graduate, and Early Career

• https://science.nasa.gov/earth-science/early-career-opportunities

Access NASA Earth Observations

- Open Access Data: https://earthdata.nasa.gov/
- Quick Data Visualization: https://worldview.earthdata.nasa.gov/
- NASA Goddard Space Flight Center's Scientific Visualization Studio: https://svs.gsfc.nasa.gov/
- Earth Information Center: https://earth.gov/

YouTube Videos on NASA-funded Projects

An Early Warning System Helps Puerto Rico Prepare for Saharan Dust (2022)

• https://www.youtube.com/watch?v=C3Ptf0jFLqE

Using Precipitation Data to Assess Risk of Cholera Outbreaks (2018)

• https://www.youtube.com/watch?v=Gf9iww8YhSY&t=3s

Predicting Malaria Outbreaks with NASA Satellites (2017)

• https://www.youtube.com/watch?v=c6g2ILL--Rw&t=3s

Mosquito Meets MODIS: South Dakota Fights West Nile Virus (2016)

• https://www.youtube.com/watch?v=ag-Zo0izSNg&t=27s

NASA Web Features on NASA-funded Projects

Air Quality Topics

NASA Data Tracks Veterans' Exposure to Smoke and Air Pollution (2023)

• https://appliedsciences.nasa.gov/our-impact/story/nasa-data-tracks-veterans-exposure-smoke-and-air-pollution

Great Air Quality for the Great Lakes Region (2022)

• https://www.nasa.gov/missions/aqua/great-air-quality-for-the-great-lakes-region/

Dust Storms, Valley Fever... and Cake Pans (2021)

https://appliedsciences.nasa.gov/our-impact/story/dust-storms-valley-fever-and-cake-pans

Saharan Dust Forecasts Minimize Health Risks in the Caribbean (2021)

• https://www.nasa.gov/technology/tech-transfer-spinoffs/saharan-dust-forecasts-minimize-health-risks-in-the-caribbean

NASA Helps Puerto Rico Prepare for Saharan Dust Impacts (2020)

• https://www.nasa.gov/missions/aqua/nasa-helps-puerto-rico-prepare-for-saharan-dust-impacts

How NASA is Helping the World Breathe More Easily (2020)

• https://www.nasa.gov/missions/aura/how-nasa-is-helping-the-world-breathe-more-easily





Environmental Health Topics

Space Views Aid Florida 'Red Tide' Health Alerts (2018)

- https://appliedsciences.nasa.gov/our-impact/news/space-views-aid-florida-red-tide-health-alerts
- NASA Helps New Yorkers Cope with Summer Swelter (2018)
 - https://appliedsciences.nasa.gov/our-impact/story/nasa-helps-new-yorkers-cope-summer-swelter
- NASA Investment in Cholera Forecasts Helps Save Lives in Yemen (2018)
 - https://www.nasa.gov/news-release/nasa-investment-in-cholera-forecasts-helps-save-lives-in-yemen

Vector-borne Diseases

NASA Helps Fight the Mosquito Bite Coast-to-Coast (2019)

- https://appliedsciences.nasa.gov/our-impact/story/nasa-helps-fight-mosquito-bite-coast-coast
- NASA Provides New Look at Puerto Rico Post-Hurricane Maria (2018)
 - https://svs.gsfc.nasa.gov/gallery/hurricane-maria-one-year-later

Using NASA Satellite Data to Predict Malaria Outbreaks (2017):

• https://gpm.nasa.gov/applications/health/using-satellites-predict-malaria-outbreaks

NASA Earth Observatory Articles on Health and Air Quality Projects

An Unequal Air Pollution Burden at School (2023)

- https://earthobservatory.nasa.gov/images/152009/an-unequal-air-pollution-burden-at-school
- Nitrogen Dioxide in the Neighborhood (2023)
 - https://earthobservatory.nasa.gov/images/151005/nitrogen-dioxide-in-the-neighborhood

Clearer View of Great Lakes Air Quality (2022)

• https://earthobservatory.nasa.gov/images/150135/clearer-view-of-great-lakes-air-quality

No Breathing Easy for City Dwellers (2022)

- https://earthobservatory.nasa.gov/images/149580/no-breathing-easy-for-city-dwellers-particulates
- https://earthobservatory.nasa.gov/images/149560/no-breathing-easy-for-city-dwellers-nitrogen-dioxide

An Extra Air Pollution Burden (2021)

https://earthobservatory.nasa.gov/images/149047/an-extra-air-pollution-burden

Could COVID-19 Have Seasons? Searching for Signals in Earth Data (2020)

• https://earthobservatory.nasa.gov/features/covid-seasonality

Of Mosquitoes and Models: Tracking Disease by Satellite (2020)

• https://earthobservatory.nasa.gov/features/disease-vector

A Dust Plume to Remember (2020)

• https://earthobservatory.nasa.gov/images/146913/a-dust-plume-to-remember

Each year, NASA celebrates these International Health Days

National Public Health Week (April)

- https://appliedsciences.nasa.gov/our-impact/story/building-connections-national-public-health-week
 National Mosquito Control Awareness Week (June)
 - https://appliedsciences.nasa.gov/our-impact/news/tracking-mosquitoes-space-nasa-does

International Day of Clean Air for blue skies (September 7)

- https://appliedsciences.nasa.gov/our-impact/story/supporting-healthy-air-healthy-planet-texas-and-beyond One Health Day (November 3)
 - https://onehealthday.com/node/12998



Information about Selected Satellites and Instruments

Aqua	https://aqua.nasa.gov/
Aura	https://aura.gsfc.nasa.gov/
Global Precipitation Measurement (GPM)	https://gpm.nasa.gov/missions/GPM
Landsat	https://landsat.gsfc.nasa.gov/
Moderate Resolution Imaging Spectroradiometer (MODIS)	https://modis.gsfc.nasa.gov/
North American Land Data Assimilation System (NLDAS)	https://ldas.gsfc.nasa.gov/nldas
Ozone Monitoring Instrument (OMI)	https://aura.gsfc.nasa.gov/omi.html
Tropospheric Emissions: Monitoring Pollution (TEMPO)	https://science.nasa.gov/mission/tempo/
Terra	https://terra.nasa.gov/

Information about Selected Upcoming Missions and Airborne Campaigns

Atmosphere Observing System (AOS)	https://aos.gsfc.nasa.gov/home.htm
Multi-Angle Imager for Aerosols (MAIA)	https://maia.jpl.nasa.gov/
Plankton, Aerosol, Cloud, ocean Ecosystem (PACE)	https://pace.gsfc.nasa.gov/
Tracking Aerosol Convection Interactions Experiment-Air	https://science.nasa.gov/mission/tracer/
Quality (TRACER-AQ)	

NASA Web Features on NASA Missions

NASA's High-Resolution Air Quality Control Instrument Launches (2023)

- https://www.nasa.gov/news-release/nasas-high-resolution-air-quality-control-instrument-launches/ A Tale of Three Pollutants (2023)
 - https://science.nasa.gov/earth/a-tale-of-three-pollutants/

One Health Infographics













