

NASA Applied Sciences Program: Additional Resources *Revised November 2020*

NASA Health and Air Quality Applications

NASA Health and Air Quality Applications:

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

NASA Health and Air Quality Applied Sciences Team (HAQAST):

- <https://haqast.org/>

NASA Training Programs

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>

YouTube Videos on NASA-funded Projects

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

- https://www.youtube.com/watch?time_continue=3&v=Gf9iww8YhSY&feature=emb_logo

Predicting Malaria Outbreaks with NASA Satellites (2017):

- https://www.youtube.com/watch?time_continue=3&v=c6g2ILL--Rw&feature=emb_logo

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

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

- <https://www.nasa.gov/feature/nasa-helps-puerto-rico-prepare-for-saharan-dust-impacts/>

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

- <https://www.nasa.gov/feature/goddard/2020/how-nasa-is-helping-the-world-breathe-more-easily>

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

- <https://www.nasa.gov/feature/nasa-helps-fight-the-mosquito-bite-coast-to-coast>

NASA Data Strengthens U.S. Air Quality Warnings (2019):

- <https://www.nasa.gov/feature/nasa-data-strengthens-us-air-quality-warnings>

NASA Provides New Look at Puerto Rico Post-Hurricane Maria (2018):

- <https://www.nasa.gov/feature/goddard/2018/nasa-provides-new-look-at-puerto-rico-post-hurricane-maria>

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

- <https://www.nasa.gov/feature/space-views-aid-florida-red-tide-health-alerts-1>

NASA Satellites Help Scientists Determine the Global Burden of Asthma (2018):

- <https://science.nasa.gov/earth-science/applied-sciences/making-space-for-earth/NASA-satellites-help-scientists-determine-the-global-burden-of-asthma>

NASA Investment in Cholera Forecasts Helps Save Lives in Yemen (2018):

- <https://www.nasa.gov/press-release/nasa-investment-in-cholera-forecasts-helps-save-lives-in-yemen/>

Help NASA Track and Predict Mosquito-Borne Disease Outbreaks (2018):

- <https://www.nasa.gov/feature/goddard/2018/help-nasa-track-and-predict-mosquito-borne-disease-outbreaks>

NASA Helps New Yorkers Cope with Summer Swelter (2018):

- <https://www.nasa.gov/feature/nasa-helps-new-yorkers-cope-with-summer-swelter>

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

- <https://www.nasa.gov/feature/goddard/2017/using-nasa-satellite-data-to-predict-malaria-outbreaks>

Earth Observations are Aiding the Mission to End River Blindness (2015):

- <https://science.nasa.gov/earth-science/applied-sciences/making-space-for-earth/river-blindness>

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NASA Earth Observatory Articles on Health and Air Quality Projects

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>

NASA Participation in International Health Days

National Public Health Week

- 2020: <https://appliedsciences.nasa.gov/our-impact/news/nasa-contributes-national-public-health-week>
- 2019: <https://science.nasa.gov/earth-science/applied-sciences/making-space-for-earth/public-health-week-feature>
- 2018: <https://science.nasa.gov/earth-science/applied-sciences/making-space-for-earth/one-health-day>

National Mosquito Control Awareness Week

- 2020: <https://appliedsciences.nasa.gov/our-impact/news/nasa-contributes-national-mosquito-control-awareness-week-2020>
- 2019: <https://science.nasa.gov/earth-science/applied-sciences/making-space-for-earth/fighting-mosquitoes-from-space>

One Health Day

- 2020: <https://appliedsciences.nasa.gov/our-impact/news/nasas-earth-applied-sciences-program-participates-one-health-day-2020>
- 2019: <https://science.nasa.gov/earth-science/applied-sciences/making-space-for-earth/nasa-earth-applied-sciences-program-celebrates-one-health-day-2019>
- 2018: <https://science.nasa.gov/earth-science/applied-sciences/making-space-for-earth/one-health-day>

Information about Selected Satellites and Instruments

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| Aqua | https://aqua.nasa.gov/ |
| Aura | https://aura.gsfc.nasa.gov/ |
| Global Precipitation Measurement (GPM) Mission | https://www.nasa.gov/mission_pages/GPM/main/index.html |
| Landsat | https://www.nasa.gov/mission_pages/landsat/main/index.html |
| 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 |
| Terra | https://terra.nasa.gov/ |
| Terrestrial Observation and Prediction System (TOPS) | https://ecocast.arc.nasa.gov/topwp/ |

Information about Selected Upcoming Missions

Multi-Angle Imager for Aerosols (MAIA)

- <https://maia.jpl.nasa.gov/>

Tropospheric Emissions: Monitoring Pollution (TEMPO)

- <http://tempo.si.edu/overview.html>