

Idaho Satellite Smoke Analysis: Using NASA Data in an Operational Air Quality Forecasting Application

<https://arcg.is/1zfeqH>

Sara Strachan
Idaho Department of Environmental Quality
Sara.Strachan@deq.idaho.gov



Idaho Satellite Smoke Analysis

- NASA data provided for decision support
 - HMS fire detects
 - Terra and Aqua MODIS True Color Imagery
 - VIIRS or MODIS AOT/AOD
 - AIRS CO (sometimes)
- How NASA data included in application
 - GEOTIFFS added to GIS maps
 - GIF image or animation of NASA data product embedded in tab
 - GIBS WMS Services added to GIS maps
 - Link to URL also possible

NASA data mostly accessed from 3rd party sites

HMS: USFS Active Fire Mapping Program (<https://fsapps.nwcg.gov/afm/>)

MODIS imagery: UW SSEC (<http://ge.ssec.wisc.edu/modis-today/>)

AOD: IDEA (<https://www.star.nesdis.noaa.gov/smcd/spb/aq/>)

