Relevant Resources

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Global fire emission inventories

- **FINN**: Fire INventory from NCAR, multiple gas and aerosol emitted species, 2002-2021, [https://www2.acom.ucar.edu/modeling/finn-fire-inventory-ncar](https://www2.acom.ucar.edu/modeling/finn-fire-inventory-ncar)
- **IS4FIRES**: Integrated Monitoring and Modelling System (IS) for wildland fires, emissions of PM$_{2.5}$ and total PM, 2000-current, [http://is4fires.fmi.fi/](http://is4fires.fmi.fi/)

Regional fire emission inventories

- **BlueSky**: CONUS and North America fires and fire emissions modeling, 2018-current, [https://www.airfire.org/data/bluesky](https://www.airfire.org/data/bluesky)
- **WFEIS**: Wildland Fire Emissions Inventory System, USA emissions 2000-current, [https://wfeis.mtri.org/](https://wfeis.mtri.org/)
Online Tools

- **FIRECAM**: Comparing fire emission inventory data around the world: [https://globalfires.earthengine.app/view/firecam](https://globalfires.earthengine.app/view/firecam)
- **IS4FIRES + SILAM v.5.5**: Global smoke forecasting: [http://silam.fmi.fi/fires.html](http://silam.fmi.fi/fires.html)
- **WACCM forecast**: Global atmospheric chemistry forecast with QFED or FINN fires, to 10 days from now, [https://www.acom.ucar.edu/waccm/forecast/](https://www.acom.ucar.edu/waccm/forecast/)

Fire initiatives/groups

- **FireSense**: a NASA-wide effort combining data, technology, research, flights, aeronautics, innovation, and applications to study the wildfire lifecycle and the connection with communities. [https://cce.nasa.gov/firesense/index.html](https://cce.nasa.gov/firesense/index.html)
- **IAWF**: International Association of Wildland Fire, a professional membership association dedicated to uniting the global wildland fire community: [https://www.iawfonline.org/](https://www.iawfonline.org/)
- **WildfireSat**: Canadian satellite-based instruments to launch in 2029. [https://www.asc-csa.gc.ca/eng/satellites/wildfiresat/](https://www.asc-csa.gc.ca/eng/satellites/wildfiresat/)
- **WMO-GAW VFSP-WAS**: Vegetation Fire and Smoke Pollution Warning Advisory and Assessment System, implemented in different regions, [https://community.wmo.int/en/activity-areas/gaw/science/modelling-applications/vfsp-was](https://community.wmo.int/en/activity-areas/gaw/science/modelling-applications/vfsp-was)