

This list of resources was prepared as a follow-up to the HEI State of Global Air webinar - *Understanding the sources of outdoor air pollution in sub-Saharan Africa: lessons from Ghana* - held on August 21, 2019.

A recording of the webinar is available [here](#).

We gratefully acknowledge Dr. Eloise Marais, University of Leicester, UK for her contributions to this list.

## Data Resources

- State of Global Air ([link](#))
- OpenAQ ([link](#))
- United Nations (UN) Data Portal ([link](#))
- Diffuse and Inefficient Combustion Emissions in Africa (DICE-Africa) emissions inventories ([link](#))
- Database of source profiles
  - USEPA Speciate ([link](#))
  - EU SPECIEUROPE ([link](#))
- Gridded Population of the World ([link](#))
- GEOS-Chem output over Africa ([link](#) - coming soon!)

## Models *(all models listed here are free)*

- United States Environmental Protection Agency (USEPA) Chemical Mass Balance (CMB) Model ([link](#))
- USEPA Positive Matrix Factorization (PMF) Model ([link](#))
- GEOS-Chem ([link](#))

## Monitoring Air Pollution

- Health Effects Institute (HEI) Research Report: Contribution of Household Air Pollution to Ambient Air Pollution in Ghana: Using Available Evidence to Prioritize Future Action ([report link](#)) ([Summary for Policy Makers](#))
- The World Bank: Filling the Gaps: Improving Measurement of Air Quality in Developing Countries Workshop ([draft white paper](#)) ([research paper](#))
- European Union Joint Research Centre (EU JRC) Guide for Source Apportionment with Receptor Models ([link](#))
- World Meteorological Organization (WMO) Report: Low-cost Sensors for the Measurement of Atmospheric Composition: Overview of Topic and Future Applications ([link](#))

### Solutions to Air Pollution

- UN Environment: Air Pollution in Asia and the Pacific: Science-based solutions ([link](#))
- United States Agency for International Development (USAID) Technical Document: Low and Middle Income Countries (LMIC) Urban Air Pollution Solutions Technical Document ([link](#))

### Funding Opportunities

- Newton International Fellowships ([link](#))
- Marie Curie Individual Fellowships ([link](#))
- Schlumberger Faculty for the Future ([link](#))
- Conference travel grants are offered by many organizations (e.g. [EGU](#), [AGU](#), [IGAC](#))