ACET-GLOBAL
Air Pollution Project

AUSTRALIAN CENTRE FOR EDUCATION & TRAINING

Air Pollution Resources

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Global Resources

⇒ World Health Organization

http://www9.who.int/airpollution/en/

- First WHO Global Conference on Air Pollution and Health, 30 October – 1 November 2018, and topics are about improving air quality, combating climate change and saving livers.

- There are three regional websites collaborating with Air Pollution WHO: "Region of the Americas/PAHO", "European Region" and "Western Pacific Region".

- The site is available in Arabic, Chinese, English, French, Russian and Spanish, and provides a number of resources. These include upcoming events, news, maps and data-bases and publications.

- Of particular interest are the Air Pollution publications, including healthy impacts, pol-lutants, interventions and tools, guidelines, policy and progress and outreach and advo-cacy.

⇒ BreatheLife

https://breathelife2030.org/

- BreatheLife is a joint campaign led by the World Health Organization (WHO), United Nations Environment and the Climate & Clean Air Coalition (CCAC) to mobilize cities and individuals to protect our health and planet from the effects of air pollution.
- The campaign combines public health and climate change expertise with guidance on implementing solutions to air pollution in support of global development goals.
- The campaign aims to three core strategic goals:
    - Engage city, subnational and national governments to commit to achieving WHO Air Quality Guidelines by 2030
    - Halve the number of air pollution related deaths by 2030
    - Slow the pace of climate change by 0.5 degrees Celsius by 2050

- The site is available in more than 20 languages, including DutchArbic, Chinese, Eng-lish, French, Russian and Spanish, and provides a number of resources. These include upcoming campaigns, news, social media.

$\Rightarrow$ Climate & Clean Air Coalition

https://ccacoalition.org/en

- The Climate and Clean Air Coalition is a voluntary partnership of governments, inter-governmental organizations, businesses, scientific institutions and civil society organizations committed to protecting the climate and improving air quality through actions to reduce short-lived climate pollutants.
- It can provide 4 solutions: Webinars and Training, Expert Assistance, Guidelines and tools and Resource Library.
- It has its own Trust Fund, established in 2012, is administered by UN Environment (UNEP), with raising over US$ 86 million from the following countries: Canada, Norway, United States, Japan, Sweden, Switzerland, European Commission, Denmark, Netherlands, Germany, Italy, France, Walloon Government of Belgium, Australia, and Finland.

Australian Resources

National

$\Rightarrow$ Australian Government - Department of Agriculture, Water and the Environment

https://www.environment.gov.au/protection/air-quality

- Australia's Environment Ministers established the National Clean Air Agreement to help governments priorities national actions to address air quality issues.

- The Legislation and obligations include National Clean Air Agreement, Product Emissions Standards Act 2017, Product Emissions Standards Rules 2017, National Environment Protection (Ambient Air Quality) Measure, National Environment Protection (National Pollutant Inventory) Measure, Fuel Quality Standards Act 2000 and fuel quality standards.

- National Clean Air Agreement publishes the next 2 financial years work plan and the achievements of the last work plan.

<u>Victoria</u>

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$\Rightarrow$ Environment Protection Authority Victoria

https://www.epa.vic.gov.au/for-community/environmental-information/air-quality

- Environment Protection Authority Victoria (EPA) monitors air quality in line with national and world standards. These include the National Environment Protection (Ambient Air Quality) Measure and World Health Organization guidelines.

- It provides various categories with Smog, Vehicle emissions, Carbon monoxide, OZone, PM10 particles, PM2.5 particles and etc.

- EPA uses advanced monitoring systems named EPA Air Watch, which shows the level of pollutants in the air across Victoria. Up to 48-hour of data in graph, map or table form can be viewed.

<u>NSW</u>

⇒   NSW Department of Planning, Industry and Environment

https://www.environment.nsw.gov.au/topics/air/research/air-quality-in-nsw

- NSW State of the Environment 2016 provides a comprehensive air pollution protection solutions, named "National Environment Protection Ambient Air Quality Measure NSW Annual Compliance Report 2016" https://www.environment.nsw.gov.au/-/media/OEH/Corporate-Site/Documents/Air/national-environment-protection-measure-ambient-air-quality-nsw-compliance-report-2016-180076.pdf

- "Air Emissions Inventory for the Greater Metropolitan Region in NSW" provides detailed information on sources of particle and particle precursor pollutant emissions, including Ozone pollution, Air toxics.

- It publishes a research about healthy effects and costs of air pollution, and it suggests that substantial health benefits are attainable with even modest reductions in air pollution.

- It particularly conducts a study in Sydney, disclosure with motor vehicles, industry and residential wood heating.

Queensland

⇒ Queensland Government

https://www.qld.gov.au/environment/pollution/monitoring/air

- National Environment Protection Measure for Ambient Air Quality (Air NEPM) requires annual reporting of Queensland's air quality against the standards.
- It issues monthly bulletins with detailed data about air quality in South East, Central and Northern Queensland.
- Queensland conducts many air monitoring investigations, including Coal Dust management, Gladstone, Townsville Dust Monitoring Program and etc. https://www.qld.gov.au/environment/pollution/monitoring/air/air-programs
- Real-time air data can be accessed via https://apps.des.qld.gov.au/air-quality/ in terms of air quality, organics, metals and meteorological.

European Resources

$\Rightarrow$ European Environment Agency

https://www.eea.europa.eu/themes/air

- The European Environment Agency (EEA) provides independent information on the environment, in close collaboration with "European Environmental Information and Observation Network" (Eionet) and its 32 member countries.
- "Air Pollution" is presented in many subtopics, such as "COVID-19", air quality concentrations, air quality index, management and health impacts.
- It shows all indicators influencing air pollution in graphs and maps, like traffic, acidification and ozone.
- It also gives an interactive data visualization map in the categories of countries and stations.
- Other information is about news, media, publications.

New Zealand Resources

⇒   Ministry for the Environment

https://www.mfe.govt.nz/air

- It details initiatives to improve air quality including the National Environmental Standards for Air Quality and provides information on specific air pollutants. It also includes information on regional air quality in managed airsheds and on authorised wood burners.
- It covers Air pollutants, Air quality roles and responsibilities, Environmental reporting on air and Ambient air quality guidelines.
- MfE Data Services gives free online access to the environment datasets with API. https://data.mfe.govt.nz/

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<u>USA Resources</u>

⟹   United States Environmental Protection Agency

https://www.epa.gov/environmental-topics/air-topics

- The Clean Air Act (CAA) is the comprehensive federal law that regulates air emissions from stationary and mobile sources, which is available in the United States Code.https://www.govinfo.gov/app/collection/uscode
- It gives a wide range of subtopics about air, including Pollution & Air Quality, Air Pollutants, indoor Air, Data, Research, Air Quality Management.
- Many related tools are invented for people who are interested in air protection, like Carbon Footprint Calculator, Green Vehicle Guide and Indoor airPLUS.

⟹   American Lung Association

http://www.stateoftheair.org/

- "State of the Air" is the American Lung Association's annual national air quality "report card." It uses the most recent air pollution data, compiled by the U.S. Environmental Protection Agency (EPA), for the two most widespread types of pollution—ozone (smog) and particle pollution (PM2.5, also known as soot).
- Seven key threats to the nation's progress toward cleaner, healthier air.
- It reveals several key finds about air pollution, including Ozone pollution, Year-Round Particle, Short-Term Particle Pollution.