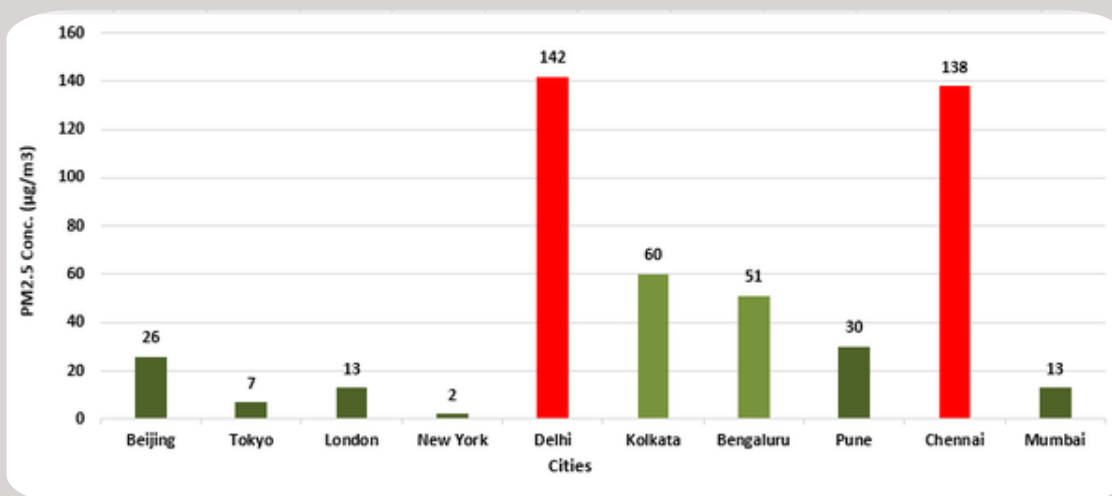


CERCA Weekly Newsletter



Centre of Excellence for Research on Clean Air (CERCA)
Indian Institute of Technology, Delhi

Air Quality in different cities »

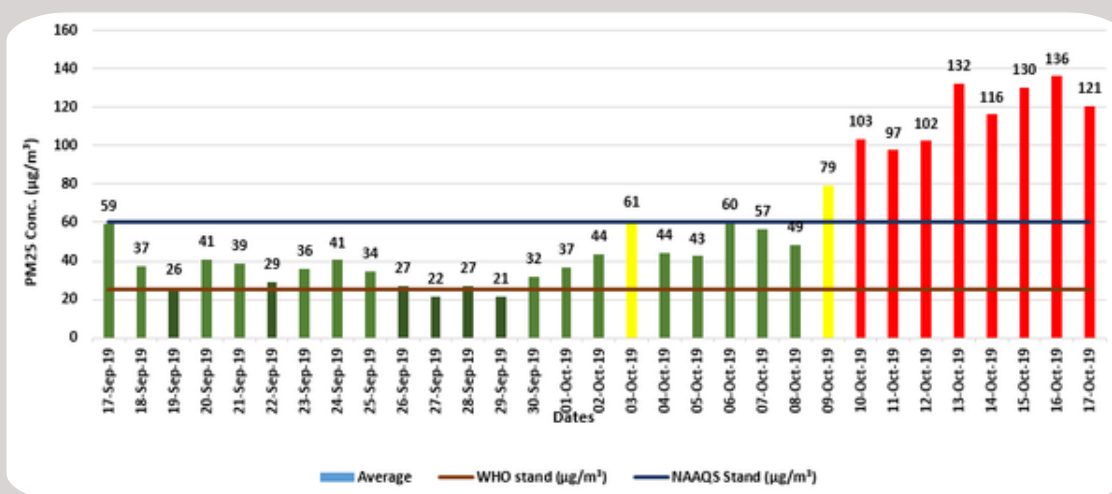


Delhi & Chennai Air Quality is severe than other cities in India and Globally.

October 31, 2019, 11:00-12:00 IST (Hourly Average)

Data Source: Berkeley Earth

Delhi air quality for last 30 days »

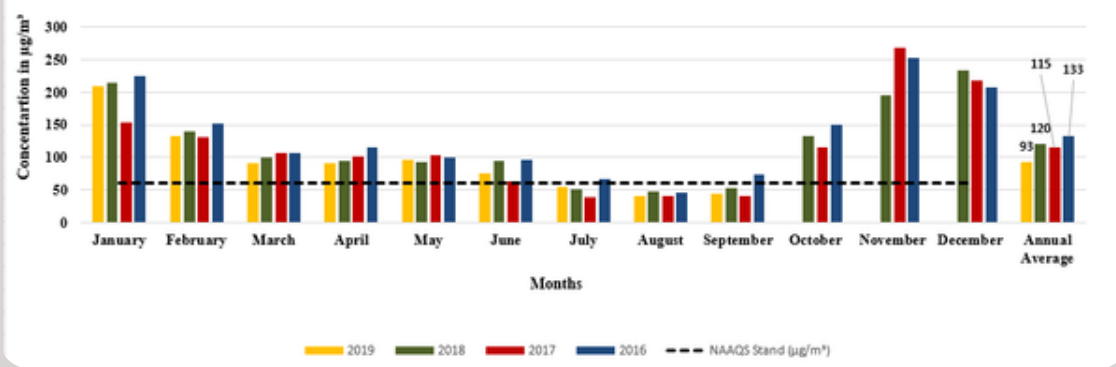


Delhi air quality has varied from 'Good/moderate' to 'very poor' for the last 30 days

Average PM2.5 Air Quality for 10 monitoring stations in Delhi

Data Source: CPCB

Delhi long term air quality trend »



Average Air Quality has marginally improved in 2019 w.r.t 2018, 2017 and 2016.

Data Source: Source: Data from 10 monitoring stations (CPCB)

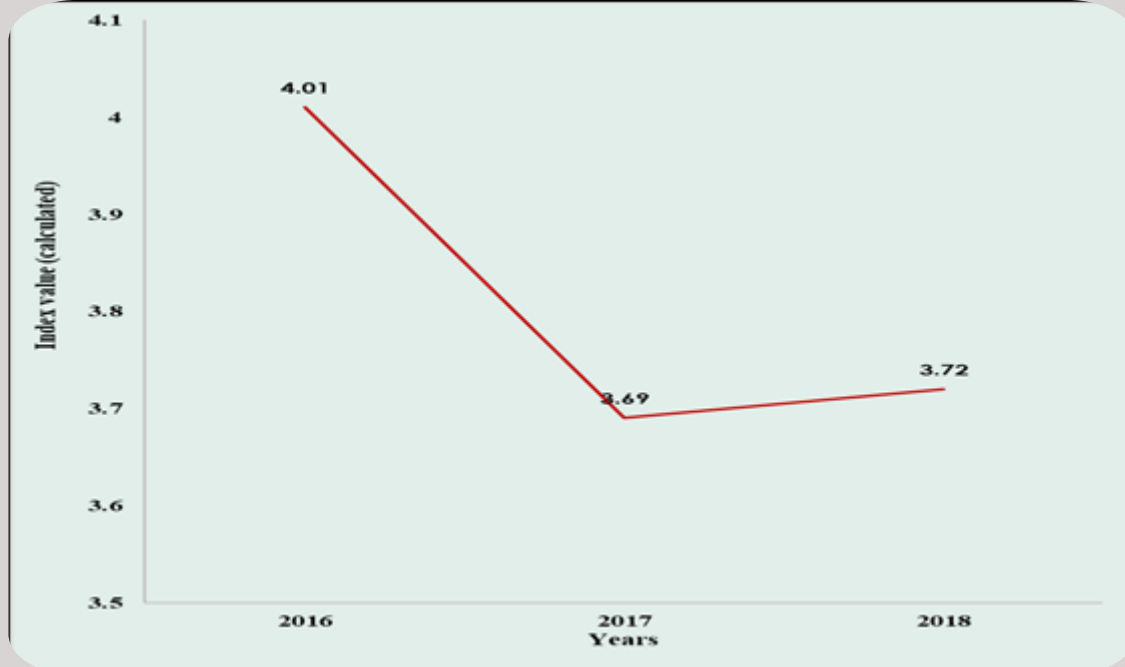
Delhi Air Quality »



The graph represent the no of days in each category i.e., Good to Severe for last three years (2016-2018). The no of days in severe category reduced from 29 (2016) to 09 (2017) and then increased to 20 in 2018..

Data Source: Source: Data from AQI (CPCB)

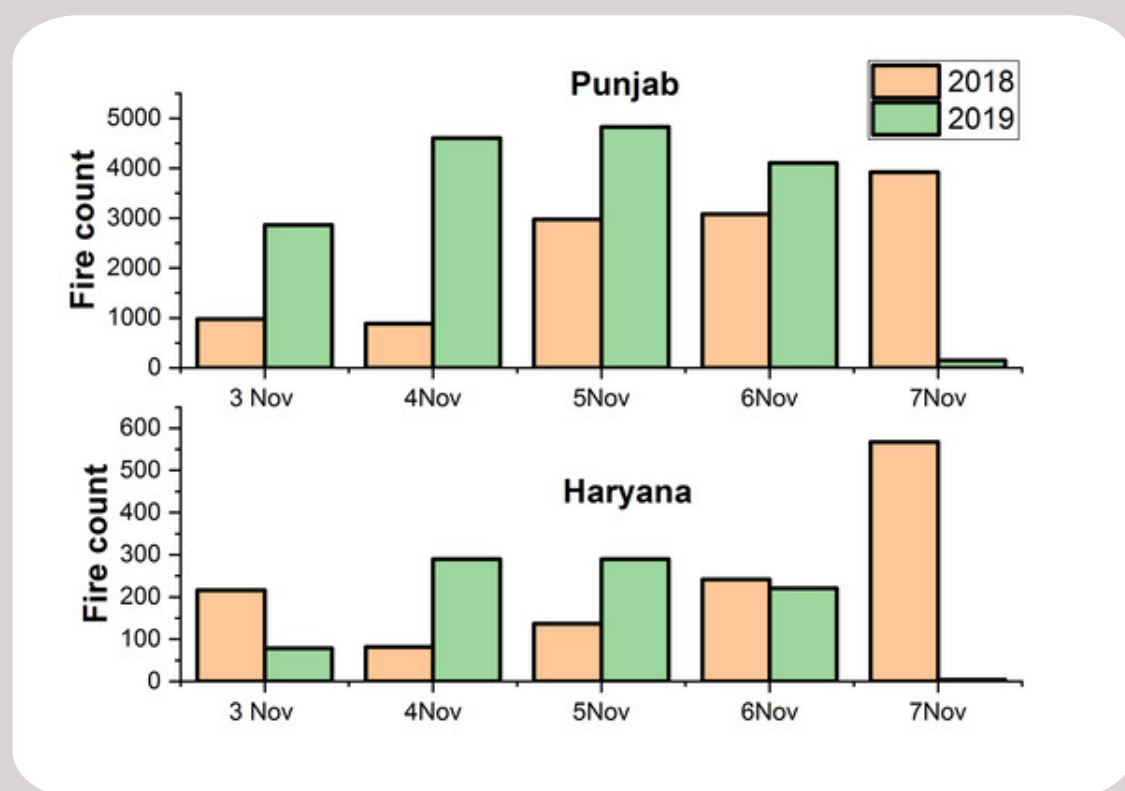
Delhi Air Quality Index »



Delhi Air quality Index is derived from no of days of different air quality. The index have improved in 2017 and had worsened a little in 2018.

Data Source: Air Quality Index Data

Stubble Burning Fire Counts »



The graph shows the comparison of 2018 and 2019 fire counts for Haryana and Punjab. Stubble Burning has started little earlier this year but the count is so far less than last year.

Air quality health impacts »

AQI	Associated Health Impacts
Good (0–50)	Minimal Impact
Satisfactory (51–100)	May cause minor breathing discomfort to sensitive people
Moderate (101–200)	May cause breathing discomfort to the people with lung disease such as asthma and discomfort to people with heart disease, children and older adults
Poor (201–300)	May cause breathing discomfort to people on prolonged exposure and discomfort to people with heart disease with short exposure
Very Poor (301–400)	May cause respiratory illness to the people on prolonged exposure. Effect may be more pronounced in people with lung and heart diseases
Severe (401–500)	May cause respiratory effects even on healthy people and serious health impacts on people with lung/heart diseases. The health impacts may be experienced even during light physical activity

Thought Leadership »



Immediate action needed in South Asia to clean the air for children.

SAir pollution is associated with one of the biggest killers of children – pneumonia, and linked to asthma, bronchitis, and other respiratory infections.

Source: UNICEF

New Measures and Initiatives »



Dean of diplomatic corps to hold meeting on Delhi air pollution

Dean of the Diplomatic Corps in India Ambassador Hans Dannenberg Castellanos (of Dominican Republic) will be holding a meeting with other heads of the mission and diplomats posted in Delhi to discuss the air pollution situation in the city..

Source: India Today



Delhi government mulls ways to use crop residue

With crop stubble burning in the neighbouring states of Haryana, Punjab and Uttar Pradesh leading to high air pollution in the national capital, CM Delhi held a series of meetings in the last two days to find possible solutions for disposal of the crop residue.

Source: The Times of India



As Delhi battles severe air pollution, health advisory issued: Dos and Dont's

The Directorate General of Health Service (DGHS) on Sunday released health advisory to the public for protection from air pollution, which has reached to severe level in Delhi and may result in "morbidity" among the exposed people.

Source: Live Mint

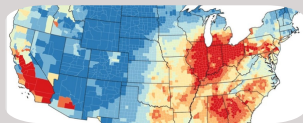


Air pollution linked to mental health

Air pollution has created a hazardous condition and has placed people's health in an unsafe territory, with Air Quality Index reeling between severe and very poor category. With such adverse health affects, doctors have revealed that air pollution also have psychiatric affect on people.

Source: millenniumpost

International Developments »



Call for air pollution curbs as Sydney climbs global rankings

AirVisual, a website ranking pollution among major cities, placed Sydney as high as 5th for poor air quality on Thursday. By Friday morning, Sydney was still in the top two dozen cities globally for poor air quality, two places ahead of Beijing.

Source: SMH

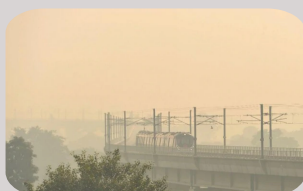


Ukrainian capital records highest level of air pollution

The Ukrainian capital city is suffering from severe air pollution with its Air Quality Index (AQI) reaching the highest level of 180 points on Wednesday.

Source: Xinhuanet

New Research (study) or Policy »



Aeroplanes cause TWICE as much damage to air quality as they do to the climate, study claims

Aeroplane travel causes around twice as much damage to air

quality as it does to the climate, a study has warned. Flying is often singled out by environmentalists as being one of the most severe contributors to man-made climate change..

Source: India Today



Delhi's air quality dips to emergency level first time since January

Delhi's pollution levels have increased overnight by around 50 points, taking the overall air quality index to 459. With this, the AQI has entered the "severe plus" or "emergency" category..

Source: India Today

New Technology »



Foton PMI to invest Rs 500 crore to set up electric bus manufacturing unit in Pune

PMI Electro Mobility Solutions Pvt Ltd (PEMSPL) on Thursday said it plans to invest Rs 500 crore along with its Chinese partner Beiqi Foton Motor Co (Foton) for setting up an electric bus manufacturing plant at Pune in the next two to three years.

Source: Live Mint



Maruti Suzuki-Toyota joint venture to recycle cars

Maruti Suzuki NSE 0.43 % and Toyota Tsusho Group on Wednesday announced an equal joint venture, Maruti Suzuki Toyotsu India (MSTI), for vehicle dismantling and recycling. The venture will set up its vehicle dismantling and recycling unit in Noida in 2020-21 and will add more units.

Source: Economic Times

For more details visit <http://cerca.iitd.ac.in/>

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