

Air Quality E-Zine

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June 2017 issue

Media Coverage	Research articles/Case studies
<p>News Analysis</p> <p>Delhi average air quality index for the period 24 April-24 May, 2017 is 252 and placing the city in the 'poor' air category. But not only Delhi, pollution levels across the country are alarming too. Gurugram's average AQI for PM 2.5 has been higher than even the most polluted parts of Delhi. This is because the density of cars in Gurugram is far higher than in Delhi and also there are more people per square km in Gurugram than in Delhi. Further a study conducted by the Coastal Resource Centre has revealed that the air quality in Chennai is alarmingly toxic. Shattering the commonly held belief that only industrial regions and parts of north Chennai need to worry about air pollution, the study showed that indicators in elite residential neighborhoods like Poes Garden and Boat Club Road are not much better.</p> <p>India's notorious traffic pollution is no longer an urban malaise, its impact is now being felt 4,000 meters above sea level, in the Himalayas. Geologists have found high levels of sulphur from diesel emissions along the Manali-Leh highway that snakes through the northwestern Himalayas.</p> <p>The strategy to cut down air pollution levels in the capital and other cities in coming years has to go much beyond the government's current plan and will perhaps have to be slightly different from the strategies adopted by western or industrialized countries.</p> <p><i>Sources:</i></p> <ul style="list-style-type: none"> Delhi's air quality is poor — just like last year The Indian Express; p.5, 24 May 2017 	<ul style="list-style-type: none"> <u>Analyzing the efficiency of short-term air quality plans in European cities, using the CHIMERE air quality model</u> P. Thunis, B. Degraeuwe, E. Pisoni (etc...all) Air Qual Atmos Health (2017) 10:235-248 <u>Large inter annual variation in air quality during the annual festival 'Diwali' in an Indian megacity</u> Neha Parkhi, Dilip Chate, Sachin D(etc...all).2016 Journal of Environmental Sciences, Vol 43: 265-272p. <u>Megacities, air quality and climate</u> Alexander Baklanov, Luisa T Molina, Michael Gauss.2016 Atmospheric Environment 126 (2016) 235-249p. <u>Understanding temporal patterns and characteristics of air quality in Beijing: A local and regional perspective</u> Ziyue Chen, Bing Xu, Jun Cai, Bingbo Gao.2016 Atmospheric Environment, Vol 127:303-315p. <u>Air quality simulation of NOX over the tropical coastal city Chennai in southern India with FLEXPART-WRF</u> Srikanth Madala, K.B.R.R. Hari

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The Times of India; p.1, 17 May 2017
 - Mobility pattern to blame for air mess?
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 - 'Excess' car pollution killed 38,000 in 2015: Study
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 - Let's lower Delhi's pollution this summer
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 - Polluted air can generate power
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 - Study shows Delhi's odd-even scheme had little impact on air pollution
The Hindu Business Line; p.17, 10 May 2017
 - Better air by 2030? Plans need to change
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 - Current norms are not enough to enforce BS-VI standards, says EPCA
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- **Indoor air quality scenario in India dAn outline of household fuel combustion**
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 - **Comparison of the volatile organic compound recovery rates of commercial active samplers for evaluation of indoor air quality in work environments**
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 - **Assessing Air Quality in Turkey: A Proposed, Air Quality Index**
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doi:10.3390/su8010073
 - **A Visualization Approach to Air Pollution Data Exploration—A Case Study of Air Quality Index (PM_{2.5}) in Beijing, China**
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 - **Land use regression modelling of air pollution in high density high rise cities: A case study in Hong Kong**
Martha Lee, Michael Brauer , Paulina Wongb (etc...all)
Science of the Total Environment 592 (2017) 306–315p.
 - **Ambient Air Pollution from Urban Transport in India**
Michael Eric Lytton, Robert W Collin and Rajesh Kumar Rai. 2016
Economic and Political Weekly

Reports	Events
<ul style="list-style-type: none"> <li data-bbox="240 268 808 846"> <p>• <u>State of Global air 2017: a special report on global exposure to Air Pollution and its Disease burden/2017, 17p.</u> The State of Global Air is collaboration between the Institute for Health Metrics and Evaluation's Global Burden of Disease Project and the Health Effects Institute. This first issue of the State of Global Air report brings into one place important information on outdoor air quality and health for all countries around the globe. It is based on the most recent data available to provide a comprehensive picture of the latest global levels and trends (since 1990).</p> <li data-bbox="240 888 808 1360"> <p>• <u>Airpocalypse: Assessment of Air Pollution in Indian Cities/by Sunil Dahiya, Lauri Myllyvirta, reenpeace Nandikesh Sivalingam, Greenpeace, jAN 2017, GPET, released in January 2017, 40P.</u> This report shows that deadly air pollution is not a problem restricted to Delhi-NCR (National Capital Region) or even to India's metros. It is a national problem that is killing 1.2 million Indians every year and costing the economy an estimated 3% of GDP. If the country's development is important, fighting air pollution has to be a priority</p> <li data-bbox="240 1402 808 1770"> <p>• <u>NAQI Status of Indian Cities in 2015-16/Cntral Control Pollution Board. 2016. 32p.</u> Air pollution has been a matter of environmental and health concerns, particularly in urban areas. Central Pollution Control Board along with State Pollution Control Boards has been operating National Air Monitoring Program (NAMP) covering 240 cities of the country.</p> <li data-bbox="240 1812 808 1869"> <p>• <u>Ambient air pollution - a global assessment of exposure and burden of</u></p> 	<ul style="list-style-type: none"> <li data-bbox="886 268 1437 678"> <p>• 14th International Conference on Envirotech, Cleantech and Greentech (ECG), 16-17 June 2017, Singapore 16- 17 June 2017 Venue: Singapore Contact Person: Dr. Vivian L E-mail: info@wasrti.org Website: https://wasrti.org/14th-international-conference-on-envirotech-cleantech-and-greentech-ecg-16-17-june-2017-singapore-about-75</p> <li data-bbox="886 720 1437 1192"> <p>• 2nd International Conference on Pollution Control and Sustainable Environment: Theme: Exploring New Horizons and Sustainable Technologies for Controlling Pollution October 5-6, 2017 Venue: London, UK Web site http://pollutioncontrol.conferenceseries.com/ E-mail: pollutioncontrol@earthscienceconferences.com</p> <li data-bbox="886 1234 1437 1602"> <p>• 3rd Annual Congress on Pollution and Global Warming: Theme: Innovation, Integration & Implementation to retard the Pollution and Global warming October 16-18, 2017 Venue: Atlanta,Georgia, USA E-mail pollution@toxicologyconferences.com Web site http://global-warming.conferenceseries.com/</p> <li data-bbox="886 1644 1437 1869"> <p>• 1st International Conference on Natural Hazards and Disaster Management June 1-3, 2017 Venue: Osaka, Japan Email:</p>

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2016. 121p.

Air pollution has become a growing concern in the past few years, with an increasing number of acute air pollution episodes in many cities worldwide. As a result, data on air quality is becoming increasingly available and the science underlying the related health impacts is also evolving rapidly.

This report presents a summary of methods and results of the latest World Health Organization (WHO) global assessment of ambient air pollution exposure and the resulting burden of disease.

- **WHO's Urban Ambient Air Pollution database - Update 2016**

The 2016 version of the database consists mainly of urban air quality data – annual means for PM10 and/or PM2.5 – covering about 3 000 human settlements in 103 countries for the years 2008-2015. These settlements range in size from a few hundred inhabitants to over 9 million, but are mostly urban in character (see the methods paper for a breakdown by population), and therefore referred to here generally as either “human settlements” or “towns and cities”.

- **Comprehensive Study on Air Pollution and Green House Gases (GHGs) in Delhi (Final Report: Air Pollution component)**

To address the air pollution problem in the city of Delhi by identifying major air pollution sources, their contributions to ambient air pollution levels and develop an air pollution control plan, Government of National Capital Territory of Delhi (NCTD) and Delhi Pollution Control Committee (DPCC), Delhi have sponsored this project “Comprehensive Study on Air Pollution and Green House Gases in Delhi” to IIT Kanpur

This study has five major components (i) air quality measurements, (ii) emission inventory, (iii) air quality modeling, (iv)

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- **Annual Congress on Environmental Pollution and Sustainable energy**

July 20-22, 2017

Venue: MELBOURNE, AUSTRALIA

Email:environpollution@earthscienceconferences.com

Website:

<http://pollutioncontrol.conferenceseries.com/asiapacific/>

- **4th World Congress on Renewable Biorefineries**

October 16-17, 2017

Venue: Seoul, South Korea

Email:

renbiorefineries@annualcongress.com

Website:

<http://renewablebiorefineries.conferenceseries.com/>

control options and (v) action plan.

(Kindly send your views/suggestions/and also let us know any other contemporary issues you want us to cover)