

Journal News: Pinhas Alpert *et al.*'s Research Work, Published in American Journal of Climate Change (AJCC), Has Been Reported Widely by the Media

AJCC Editorial Board

Pinhas Alpert's team studies recent decadal trends of aerosol optical depth (AOD) over megacities around the world by using three NASA space aerosol sensors: MODIS-Terra, MODIS-Aqua and MISR. Results from these three satellites clearly show a rise in air pollution levels in the megacities of the Middle East, India and North China (see **Figure 1**). At the same time, Alpert *et al.*'s study also reveals some positive trends. Megacities in Europe, northeastern United States and South-East Asia indicate a decrease in air pollution from 2002 to 2010 (see **Figure 1**). These cities have taken active steps to reduce the amount of contaminants in the air. Alpert hopes that these greener cities will serve as an example to the rest of the world, inspiring those who have yet to clean up their communities to push for environmental reforms.

In September 2012, this research work by Pinhas Alpert's team was published in *American Journal of Climate Change (AJCC)*, Volume 1, Issue 3, pages 117-131. After publication, it has been widely reported by the media, for example:

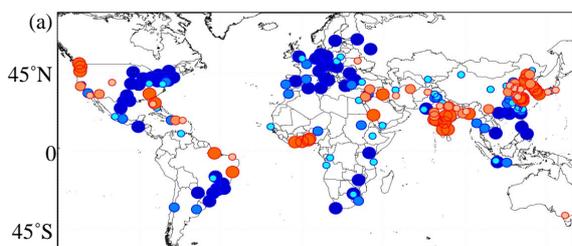


Figure 1. AOD trend in the world's 189 largest cities based on data collected from three NASA satellites. Red circles indicate increasing levels and blue circles denote decreasing levels of aerosol.

1. In November 15, 2012, Pinhas Alpert *et al.*'s research work on AJCC was reported by **USA Today** (one of the largest newspapers in USA). The title of news report is "Megacities' Smog Mapped from Space", in detail, see: <http://www.usatoday.com/story/news/nation/2012/11/15/megacity-smog-satellites/1707761/>
2. In November 27, 2012, Pinhas Alpert *et al.*'s research work on AJCC was reported by **Science Daily**. The title of news report is "Tracking Pollution from Outer Space: Team uses NASA satellites to measure pollution hovering over world's megacities", in detail, see: <http://www.sciencedaily.com/releases/2012/11/121127130248.htm>
3. In November 28, 2012, Pinhas Alpert *et al.*'s research work on AJCC was reported by **Yale University Environment 360 Magazine**. The title of the news report is "Scientist develop standardized analysis of city pollution emissions", in detail, see: http://e360.yale.edu/digest/scientists_develop_standardized_analysis_of_city_pollution_emissions/3705/
4. In January 24, 2013, Pinhas Alpert *et al.*'s research work on AJCC was reported by **The Cutting Edge News** magazine (USA) also reported Pinhas Alpert *et al.*'s research work on AJCC. The title of news report is "Satellites and Cell Towers Yield Climate Clues", in detail, see: <http://www.thecuttingedgenews.com/index.php?article=78593>