

# Sustainable Transportation e-Zine



February 2016

(This issue of e-Zine covers the latest media coverage, full text reports, policies, case studies/best practices, events and many more current open resources on Sustainable Transportation)

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## Media Coverage

### Abstract from recent news:

India is the third most polluting country in the world after the US and China, who have signed a major bilateral climate deal, wherein the US will reduce its carbon emissions by 26-28% below its 2005 level by 2025 and China will reach the peak of its harmful carbon dioxide emissions around 2030.

Diesel and heavy vehicles, considered among most polluting vehicles, have drawn the Indian judiciary's attention in the past few months. States Governments are also coming out with various measures by bringing out sustainable transportation models in each state by implementing strict rules and new policies. The State government will also develop enough infrastructures to encourage use of public transport.

A 2014 WHO survey of more than 1,600 cities ranked Delhi as the most polluted, partly because of the 8.5 million vehicles on its roads, with 1,400 more added every day. Delhi Government Odd-Even policy not only able to reduce the air pollution in the city but also played a major role in smoothing the city transport system.

Road transport minister Nitin Gadkari said recently that his ministry has prepared a vehicle-scrapping policy and would present it before the Cabinet by February end. Scrapping old, gas-guzzling and polluting vehicles may help improve air quality in Indian cities and create demand for more modern counterparts that are fuel-efficient, non-polluting and safer.

Other solutions for reducing traffic congestion are that Government ban roadside parking (The capacity of the road is reduced by 60 per cent due to parking on both sides), redesigning city roads, and introducing new cycling tracks. Beside that implementing High speed rail programs which have been successful in Japan, China and several European countries will reduced journey times that impact individuals and business, mode shifts from more polluting air and road transport and consequently, lower road congestion. With this Government should also improve the existing rail system.

### Sources:



- Bullet trains can wait, says Sreedharan [The Indian Express](#); 19 February 2016
- Cabinet clears seven railway projects worth Rs 10,700 crore [Mint](#); p.1; 18 February 2016

## Articles/Case Studies

- [Examples of Sustainable Development in the Area of Transport](#)  
[Marta Kadłubek](#)  
Procedia Economics and Finance, Vol 27(2015): 494-500p.
- [Data on bicycle ownership could help boost cycling](#)  
Lucy Goodchild van Hilten  
Posted on 2 December 2015
- [Green Transport Balanced Scorecard Model with Analytic Network Process Support](#)  
[David Staš](#), Radim Lenort , Pavel Wicher, and David Holman  
*Sustainability* 2015, 7(11), 15243-15261p.
- [Smart and sustainable logistics for a competitive Europe](#)/ European Union 2015
- [A Quantitative Analysis of Sustainability and Green Transportation Initiatives in Highway Design and Maintenance](#)  
Manoj K. Jhaa, Hellon G. Ogallob, Oludare Owolabia  
`Procedia - Social and Behavioral Sciences Volume 111, 1185–1194p. 2015
- [Accelerating Low-Carbon Development in the World's Cities 2015, 1-38p.](#)  
Andy Gouldson, Sarah Colenbrander, Andrew Sudmant, Nick Godfrey, Joel Millward-Hopkins, Wanli Fang and Xiao Zhao  
Working Paper / New Climate Economy,
- [Low carbon transportation in Thailand:CO2 mitigation strategy in 2050](#)  
[Puttipong Chunark, Panida Thepkhun, Kamphol Promjiraprawat, Pornphimol Winyuchakrit and Bundit Limmeechokchai\\*](#)  
Chunark *et al. SpringerPlus (2015) 4:618*
- [Urban Transport in Indian Cities: Compendium of Good Practices 2015](#)  
/ PEARL, 2015, 92p.
- [A preliminary study of sustainable transport indicators in Malaysia: the case](#)

<ul style="list-style-type: none"> <li>• A curtain-raiser to bullet trains <a href="#">Business Standard</a>; p.10; 17 February 2016</li> <li>• High speed railways in India: success will ride on the details <a href="#">The Hindu</a>; p.16; 15 February 2016</li> <li>• Intentions are good but numbers don't add up <a href="#">The Times of India</a>; p.6; 13 February 2016</li> <li>• Govt racing to build highways: Gadkari <a href="#">Mint</a>; p.4; 12 February 2016</li> <li>• Need for long-term solutions <a href="#">The Hindu</a>; p.5; 12 February 2016</li> <li>• Odd-even: Delhi says make it permanent <a href="#">The Hindustan Times</a>; p.4; 12 February 2016</li> <li>• Action plan to make public transport robust by year-end <a href="#">The Times of India</a>; p.3; 11 February 2016</li> <li>• NGT seeks government view on diesel vehicle ban <a href="#">The Asian Age</a>; p.14; 11 February 2016</li> <li>• Rejuvenating urban transport <a href="#">The Pioneer</a>; p.09; 11 February 2016</li> <li>• Last-mile connectivity continues to be a problem <a href="#">The Hindu</a>; p.4; 11 February 2016</li> <li>• 'Odd-even saw traffic dip 19%' <a href="#">The Times of India</a>; p.11; 9 February 2016</li> <li>• Answer to traffic woes from investors' meet experiment? <a href="#">Deccan Herald (Bangalore edition)</a>; p.2; 9 February 2016</li> <li>• Govt to regulate traffic to curb pollution <a href="#">The Pioneer</a>, p.3; 6 February 2016</li> <li>• Cabinet note on scrapping by month-end <a href="#">Mint</a>; p.12; 5 February 2016</li> <li>• Green vehicles take the centre stage <a href="#">Mint</a>; p.12; 4 February 2016</li> <li>• 7.5-km track to promote cycling in Gurgaon <a href="#">The Hindu</a>, p.8; 3 February 2016</li> <li>• From April, cars may come with fuel economy rating <a href="#">The Tribune</a>, p.14; 3 February 2016</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">study of Klang valley public transportation</a> Syahriah Bachok, Zakiah Ponrahono, Mariana Mohamed Osman , Samsuddin Jaafar, Mansor Ibrahim and Mohd Zin Mohamed Procedia Environmental Sciences 28 ( 2015 ) 464 – 473</li> <li>• <a href="#">Green Transport Balanced Scorecard Model with Analytic Network Process Support</a> David Staš, Radim Lenort *, Pavel Wicher and David Holman Sustainability 2015, 7(11), 15243-15261;</li> <li>• <a href="#">Towards Sustainable Urban Transportation Case Studies</a> M. R. Hussein International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering Vol:7, No:9, 2013</li> <li>• <a href="#">Innovations for sustainable public transport: Experiences and challenges in the Scandinavian countries</a>/VTI rapport 799A, Published 2013</li> <li>• <a href="#">Promoting Low-Carbon in India India: Infrastructure for Low-Carbon Transport in India</a>/ UNEP, 2012</li> </ul>
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Key Statistics	Reports
<ul style="list-style-type: none"> <li>• <b>Air transport</b> <ul style="list-style-type: none"> <li>○ <a href="#">Air transport freight</a></li> <li>○ <a href="#">Air transport passengers carried</a></li> <li>○ <a href="#">Air transport registered carrier departures</a></li> </ul> </li> <li>• <b>Road transport</b> <ul style="list-style-type: none"> <li>○ <a href="#">Passenger cars per 1,000 people</a></li> <li>○ <a href="#">Motor vehicles per 1,000 people</a></li> <li>○ <a href="#">Roads, goods transported</a></li> <li>○ <a href="#">Roads, passengers carried</a></li> <li>○ <a href="#">Roads, total network</a></li> <li>○ <a href="#">Roads paved</a></li> <li>○ <a href="#">Road density</a></li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Transport Outlook 2015</a></li> <li>• <a href="#">Key Transport Statistics 2015 [2014 Data]</a></li> <li>• <a href="#">Road Transport Challenges In India, 2015</a></li> <li>• <a href="#">HORIZON 2020 - Work Programme 2016 - 2017 Smart, green and integrated transport 2015/ European Commission</a></li> <li>• <a href="#">National Urban Transport Policy 2014/ Ministry of Urban Development, Govt of India.</a></li> </ul>

<ul style="list-style-type: none"> <li>○ <a href="#">Vehicles per km of road</a></li> <li>○ <a href="#">Gasoline prices</a></li> <li>○ <a href="#">Diesel fuel prices</a></li> <li>● <b>Rail transport</b> <ul style="list-style-type: none"> <li>○ <a href="#">Railways, passengers carried</a></li> <li>○ <a href="#">Railways, goods transported</a></li> <li>○ <a href="#">Rail lines</a></li> </ul> </li> <li>● <b>Major Port Statistics</b> <ul style="list-style-type: none"> <li>○ <a href="#">Monthly Capacity at Major Ports</a> </li> <li>○ <a href="#">Monthly Traffic at Major Ports</a></li> <li><a href="#">Weekly waiting vessel Position</a></li> <li>○ <a href="#">Daily Vessel Position</a> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>● <a href="#">Sustainable Transport: Why it matters/ Simon Leadbetter, 2014</a></li> <li>● <a href="#">The Future of Urban Mobility 2.0: Imperatives to shape extended mobility ecosystems of tomorrow</a> /_Arthur D. Little - Global Management Consultancy, 2014, 72p.</li> <li>● <a href="#">Global Transport Scenario 2050/ World Energy Council, 2011</a></li> </ul>
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<b>Events</b>
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<ul style="list-style-type: none"> <li>● <a href="#">Ajman 4th International Environment Conference 2016: Smart Cities and Green Innovation</a> Ajman, United Arab Emirates 2nd to 3rd March 2016 , Ajman, United Arab Emirates Website: <a href="http://www.aiec2016.org/">http://www.aiec2016.org/</a></li> <li>● <a href="#">2nd International Conference on Sustainable Energy and Built Environment</a> 10th to 12th March 2016 Vellore, Tamil Nadu, India Website: <a href="http://www.asceis-ices.com/conference.php">http://www.asceis-ices.com/conference.php</a></li> <li>● <a href="#">2nd ITS &amp; Smart Mobility Forum UAE</a> 21st to 22nd March 2016 Abu Dhabi, United Arab Emirates Website: <a href="http://bit.ly/ITSConfAlerts">http://bit.ly/ITSConfAlerts</a></li> <li>● <a href="#">Smart Cities – Exhibition and Conference for South - East Europe</a> 5th to 7th April 2016 Sofia, Bulgaria Website: <a href="http://viaexpo.com/en/pages/smart-cities">http://viaexpo.com/en/pages/smart-cities</a></li> <li>● <a href="#">The International Sustainable Development Tourism Transport &amp; Technology in Munich</a> 25th to 27th May 2016 Munich, Germany Website: <a href="http://www.icttconference.com/14808890/munich-">http://www.icttconference.com/14808890/munich-</a></li> </ul>	<p style="text-align: center;"><i>(Kindly send your views/suggestions/and also let us know any other contemporary issues you want us to cover)</i></p>
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[tourism-transport-conference](#)

- **[International Conference on Urban Planning, Transport and Construction Engineering \(ICUPTCE'16\) May 30-31, 2016 Istanbul \(Turkey\) Istanbul, Turkey](#)**  
30th to 31st May 2016  
Istanbul, Turkey  
Website: <http://icuptce.urcae.org/>  
Contact person: Conference Secretary:  
ICUPTCE'16
- **The 2016 International Conference Sustainable Development in Tourism Transport & Technology in Amsterdam**  
16th to 18th June 2016  
Amsterdam, Netherlands  
Website:  
<http://www.icttconference.com/14977993/amsterdam-tourism-transport-conference>
- **[Urban Transport 2016](#)**  
21st to 23rd June 2016  
**Crete, Greece**  
Website: <http://www.wessex.ac.uk/16-conferences/urban-transport-2016.html>
- **[ICTTE 2016 5th International Conference on Traffic and Transportation Engineering--EI Compendex](#)**  
6th to 8th July 2016  
Lucerne, Switzerland  
Website: <http://www.ictte.org/>
- **[Sustainable City 2016](#) Alicante, Spain**  
12th to 14th July 2016  
Alicante, Spain  
Website:<http://www.wessex.ac.uk/16-conferences/sustainable-city-2016.html>