

# Sustainable Mobility Innovations

## Our experts' choices Winter 2013/2014



The world of “sustainable mobility” is full of innovations. On a daily basis, new tools, approaches and concepts are developed, tried and implemented to make the life of pedestrians, cyclists and public transport users more comfortable.

As part of their daily routine, our mobility experts around the world are constantly looking for such innovations – please find below their discoveries. Some of these innovations are not new or innovative on a global scale, but are adapted to suit local conditions and hence worthwhile to be included in this list and shared.

### Beijing/PR China: New vehicle lottery scheme in Beijing (2014–2017)



According to the new plan, the license plate quota will be reduced from 240 000 to 150 000 new licenses per year. Newly introduced is a quota for new energy vehicles (NEVs, currently

so called new energy vehicles only refer to full electric vehicles), that will be increased from 20 000 in 2014 to 60 000 in 2017.

More on <http://www.sutp.org/news-archive-mainmenu-156/sutp-articles-mainmenu-236/3829-new-vehicle-lottery-scheme-in-beijing-2014-2017>

### Shanghai/PR China: Public transport cards on phones

Public transport cards designed for cellphones are now up for sale. The Shanghai Transportation Card Co started issuing cellphone cases with chips inserted into them. Source: <http://www.shanghaidaily.com/Metro/public-services/Get-public-transport-cards-on-phones/shdaily.shtml#jtss-twitter>. (Picture : <http://www.chinadaily.com.cn/cndy/attachement/jpg/site1/20110408/f04da2db11220f08984f0a.jpg>)

### Gurgaon/India: ‘Raahgiri’ Day – The first weekly car free event in India



Raahgiri Day is a weekly street event which provides citizens with the opportunity to reclaim their streets, connect with their community, and celebrate their city. ‘Raahgiri’ is a

hindi word signifying the temporary closure of a network of streets to cars so that they become “open” to people. The event takes place on all Sundays starting from 17 November 2013 in Gurgaon, New Delhi. In the last few weeks, thousands of active citizens have participated in Raahgiri Day, making it the most talked event. More on <http://raahgiriday.com>

### Lviv/Ukraine: First contraflow lane for bicycles

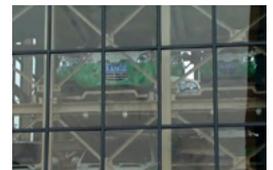
The first contraflow cycling lane has been inaugurated on Konovalza Street – being the first contraflow cycling lane in Ukraine. As part of its ambitious 270-km-cycling plan, the city of Lviv is constantly looking to adapt international best practices to the local context. More about cycling in Lviv in this video clip: <http://www.youtube.com/watch?v=9QAnjylellm>

### Mexico: New fuel economy standards

In 2013, the Government of Mexico implemented a set of standards to regulate CO<sub>2</sub> emissions and fuel economy for new passenger vehicles (cars, SUVs and pickup trucks). The standard uses a similar footprint as in the U.S. and Canada regulations. In the absence of credits or trading, the resulting regulatory curves would lead to a fleet average fuel economy for 2016 of 14.9 km/l, if average vehicle size and car/truck ratios remain constant.

Source: [http://dof.gob.mx/nota\\_detalle.php?codigo=5303391&fecha=21/06/2013](http://dof.gob.mx/nota_detalle.php?codigo=5303391&fecha=21/06/2013)

### Hangzhou/PR China: Vending machine-like garages for car sharing



To tackle both air pollution and parking issues Kandi Technologies Group has begun to implement a new and unique Electric Vehicle car-sharing service which is modelled after the Hangzhou bike share system. Instead of small parking lots KTG – and this is the innovation to point at – stores 30-300 cars in vending machine-like parking garages. About 50 garages should be in place by March 2014, KTG however aims to expand to 750 garages in Hangzhou in future. More on <http://www.youtube.com/watch?v=fiEJPbxL2hI>

### Japan: Underground Bicycle Parking Systems

In Japan, the bicycle is still very much a common way to get around in cities. So much so that finding a place to park ones bicycle can be a problem while on the other hand expensive land values makes construction of above ground bicycle parking almost unthinkable. To remedy this problem, construction company Giken have come up with a solution which allow storage of hundreds of bicycles underground using a system called Eco Cycle – a robot system which stores bicycles underground in a 11 meter deep well – and describing it as a no-nuisance scheme for a ‘beautiful and habitable urban development’.

Check it out on this website (Picture source): <http://www.dannychoo.com/en/post/26963/Japan+Underground+Bicycle+Parking+Systems.html>  
Video: <http://www.youtube.com/watch?v=pcZSU40RBrg>

