



Transport  
Innovation  
Deployment  
for Europe

## Newsletter #1



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## Welcome to the first TIDE newsletter!

We are happy to introduce you to the first issue of the TIDE newsletter. TIDE is a European project that kicked off in October 2012 and brings together cities in the field of urban transport innovation. The mission of TIDE is to enhance the broad transfer and take-up of fifteen innovative urban transport and mobility measures throughout Europe and to make a visible contribution to establish them as mainstream measures. TIDE is supported by the Seventh Framework programme of the European Commission and will run until autumn 2015.

The TIDE newsletter aims to keep you informed about the project's progress and intermediate results. In this first issue, you will learn about the TIDE objectives and expected outputs and the work done so far. Each issue will also put one of the TIDE cities in the spotlight. We are starting with the city of Rotterdam, a true innovation leader in Europe!

We encourage you to stay informed and sign up to our newsletter on [www.tide-innovation.eu](http://www.tide-innovation.eu) and wish you a pleasant read!



## About TIDE

TIDE aims to contribute to a more favourable climate for cities and regions to integrate innovations into their urban mobility policies. This should lead to increased acceptance and take-up of new urban transport solutions and technologies. TIDE will help cities and regions to address common challenges in a collaborative and integrated way.

Innovative ideas usually start in one or a few places before they reach wider coverage. TIDE will help cities across Europe to shorten the path towards the implementation of innovative measures by showing that it is not necessary to re-invent the wheel but much more effective to exchange on innovation and to transfer successful solutions from one European region to another.

### **TIDE offers a cost-efficient way of spreading innovation throughout Europe. Key outputs of the project will include:**

- Supporting 15 TIDE cities to deploy urban transport innovation
- 35 Local Innovation Forums
- Providing a structured approach to transferability
- Range of user-friendly transferability tools
- Policy and research recommendations
- Concrete guidelines and handbooks for practitioners
- 15 City-specific implementation scenarios
- 10 E-learning courses
- Training and exchange events for 50 cities
- Exchange on Sustainable Urban Mobility Plans
- Transport innovation Blog and WIKI
- Cost-benefit and impact analyses

The TIDE consortium is composed of a variety of experts in the field of urban transport, bringing in the knowledge of the academic sector, the experience of cities, the expertise of consultants and the multiplier effect of European networks.

**Cluster Leading Cities:** Reading Borough Council, City of Rotterdam, City of Donostia-San Sebastián, BKK Budapest, City of Milan

**Cluster Support Partners:** Rupprecht Consult, University of Gdansk, WSP, University of Southampton, Fraunhofer Institute

**Other partners:** Polis, EUROCITIES, Wuppertal Institute

## 15 innovative measures selected

TIDE will enhance the broad transfer and take-up of fifteen innovative urban transport and mobility measures throughout Europe. An indicative selection of ten measures had already been done before the start of the project, leaving room for cities and regions to have their say about the final five.

To reconfirm this initial selection of ten measures and to identify the remaining five, a Europe-wide online survey was conducted, as well as a quick-survey at the TIDE workshop in Perugia on 28 November 2012. In total, the online survey generated 324 responses.



The following fifteen innovative measures have been selected to be studied in the project:



Thematic cluster 1:  
**New pricing measures**

- Road user charging in urban areas
- Parking charge policies
- Efficient and convenient pricing and charging for multimodal trips



Thematic cluster 2:  
**Non-motorised transport**

- Bicycle parking schemes
- Creating people friendly streets and public spaces
- Fast cycling lanes



Thematic cluster 3:  
**Advanced traffic management for traveller information systems**

- Open access server for applications-based traveller information
- User friendly human machine interface (HMI) for traveller information (incl. elderly/ disabled)
- Advanced priority systems for public transport



Thematic cluster 4:  
**Electric mobility**

- Clean City Logistics
- Financing Schemes for Charging Stations
- Inductive Charging for Public Transport



Thematic cluster 5:  
**Public transport organization**

- Creation of public transport management bodies for metropolitan areas
- Contracting of services focused on improvement of passenger satisfaction and efficiency
- Market research as optimization tool in public transport



## Ten Champion Cities join TIDE

To select ten Champion Cities, in addition to the five partner cities, for the development of implementation plans on the 15 TIDE innovative measures, a call for cities was widely launched last December. Out of over 60 applications, TIDE, with the support of the TIDE Advisory Committee and the approval of the European Commission, selected Barcelona (ES), Bologna (IT), Ghent (BE), Lyon (FR), Rome (IT), Tampere (FI), Aalborg (DK), Huesca (ES), Craiova (RO) and Vilnius (LT) to join the TIDE project as 'Champion Cities'.

Together with the TIDE consortium, the cities will develop tailored implementation scenarios which will help them integrate one of the TIDE innovative measures in their local transport policy. They will also act as disseminators to other cities in their countries and will be invited to host one or more Local Innovation Forums.



CL 1	Road user charging	Parking charge policies	
	<b>Milano, Huesca</b>	<b>Milano, Gent</b>	
CL 2	Bicycle parking schemes	People-friendly streets	Fast cycling lanes
	<b>Donostia-San Sebastián, Craiova</b>	<b>Donostia-San Sebastián</b>	<b>Aalborg</b>
CL 3	Open access server	User-friendly HMI	
	<b>Reading Borough Council, Rome</b>	<b>Reading Borough Council, Lyon</b>	
CL 4	Clean city logistics	Financing schemes for charging stations	Inductive charging for PT
	<b>Rotterdam, Barcelona</b>	<b>Rotterdam, Tampere</b>	<b>Barcelona</b>
CL 5	PT management bodies	Market research	
	<b>BKK Budapest, Vilnius</b>	<b>BKK Budapest, Bologna</b>	

Table 1: TIDE measures and cities

The selected Champion Cities met the TIDE consortium for the first time at a dedicated workshop hosted by TIDE partner city Budapest on 24-25 April, thus kicking off an intense 2.5 year cooperation that will pave the way for a successful deployment of transport innovation in cities across Europe.

## Transferability workshop Brussels

### TIDE Tools

An important aspect in the take-up of urban transport innovation is the development of a dedicated methodology that allows for a successful transfer of innovation from one city to another. To help verify the chances of a successful transfer, TIDE is developing a practical handbook for transferability analysis. This was the subject of the TIDE workshop that took place in Brussels on 24-25 January 2013 and brought together around 20 experts from across Europe and representatives of the TIDE consortium.

The key objectives of the workshop were to collect feedback on the draft transferability methodology, discuss critical success

factors and barriers of transferability and to review the first results of the transferability analysis. Interactive focus group sessions generated suggestions on how to improve the draft methodology and it was agreed that the transferability assessment is well suited to identify potential success factors and barriers within transfers.

As a next step, the TIDE Transferability Handbook will be developed taking account of the recommendations outlined at the workshop. The handbook will be used to carry out the final transferability analysis of all 15 innovative measures covered in TIDE.

## City in the spotlight: Rotterdam

Each TIDE newsletter will put a TIDE leading city and its accomplishments in the field of innovative transport in the spotlight. This time our focus is on Rotterdam, the lead city for TIDE Cluster 4 on Electric Mobility.

The city of Rotterdam's sustainable mobility policy aims at reducing the environmental impact of traffic while facilitating the economically very important port distribution activities. Electric (and plug-in electric) vehicles are being supported as the most promising vehicle solution for sustainable mobility in the near future.

In September 2009, Rotterdam introduced the programme "Rotterdam Electric" to accelerate the introduction of battery electric transport modes. The programme ensures an integrated approach for all initiatives in the field of electric transport, in which Rotterdam seeks strong cooperation with the market. It is meant to challenge the market and boost promising developments for electric mobility concepts and it is fully integrated in the Rotterdam Sustainability Programme. Concrete examples include a pilot by a car sharing company to integrate EV's in their vehicle fleet, the introduction of a heavy-weight electric truck for inner city distribution by a private organisation. Furthermore, an electric scooter factory (ESFA) has moved its production of the QWIC electric bike and scooter from China back to Rotterdam providing local employment. An electric vehicle

centre opened in 2011 where citizens can receive information and drive an electric car. Also, many of the city's car parks, both private and publicly owned, have been made 'EV-ready' by making sure all safety regulations and technical infrastructure are perfectly set. Rotterdam is therefore combining the future of electric transport with social, environmental and economic progress in the larger city area.

As part of its charging infrastructure plans, the city currently counts 309 (March 2013) charging stations in private, semi-public and public parking lots including 2 fast-charge and 20 charging points for e-scooters and e-bikes. The city's target is to install 1000 charging points throughout Rotterdam and offer financial support to EV users for the installation of such charging stations by the end of 2014.

The city's sustainable transport vision is now fully integrated in the Rotterdam Sustainability Programme which is aiming at 50% less CO<sup>2</sup> emissions compared to 1990 and a 100% climate proof city, both by 2025.

Rotterdam will develop TIDE implementation scenarios for clean city logistics and financing schemes for charging stations. For more information on Rotterdam Electric please visit: [www.rotterdam.nl/elektrischrijden](http://www.rotterdam.nl/elektrischrijden)

TIDE Experience



## Next steps

### Cost Benefit Analysis

TIDE aims to identify the methodologies for cost-benefit analysis that are the most suitable for urban transport innovation in general and the five thematic clusters in particular. This will incorporate wider social, environmental and economic costs and benefits appropriately.

### Trainings

TIDE will generate important insights on how to perform a sound transferability analysis and provide detailed advice on how to successfully implement the innovative measures covered.

This knowledge will be made easily accessible to a wide range of cities via dedicated face-to-face training and exchange events as well as guidelines for implementers and e-learning courses. The training events will be set up in such a way that they are accessible through live web streaming online and can still be consulted afterwards.

These events will involve the 5 TIDE cities, the 10 champion cities and up to 50 training cities. The first training event will be organised in autumn 2013.

The TIDE CBA Workshop, which took place on 25-26 April in Budapest, brought together TIDE cities and support partners as well as external experts to discuss appropriate methods for the assessment of transport projects and their impacts. The findings from this workshop will feed into the TIDE 'Practitioner handbook for applying CBA and impact analysis for urban transport innovation'.



## Upcoming events

### 9th ITS European Congress, Convention Centre

4-7 June 2013, *Dublin*

[www.itsineurope.com](http://www.itsineurope.com)

### Velocity Conference

11-17 June 2013, *Vienna*

[www.velo-city2013.com](http://www.velo-city2013.com)

### XIVth Walk21: International Conference on Walking and Liveable Communities

11-13 September 2013, *Munich*

[www.walk21munich.com](http://www.walk21munich.com)

### Ecocity World Summit

25-27 September 2013, *Nantes*

[www.ecocity-2013.com/en](http://www.ecocity-2013.com/en)

### MobilityTech

22-23 October 2013, *Milan*

[www.mobilitytech.it](http://www.mobilitytech.it)

### Electric Vehicle Symposium and Exhibition

17-20 November 2013, *Barcelona*

[www.evs27.org](http://www.evs27.org)

### Annual Polis Conference

4-5 December 2013, *Brussels*

[www.polisnetwork.eu/2013conference](http://www.polisnetwork.eu/2013conference)

Visit the project website: <http://www.tide-innovation.eu/>

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