



U-SMILE Newsletter January, 2019

In the media (June 2018-January 2019)

- Verhoef, E.T. (2019) [Transport en Provincie zien niets in tol op Brabantse snelweg](#) (Algemeen Dagblad, 10 January)
- Wee, B. van (2018) [Toename files 20% in 2018](#) (interview, De Telegraaf, 27 December)
- Wee, B. van (2018). [Files en kilometerheffing](#) (tv interview, NOS Nieuwsuur, 23 December, starting on 16:55).
- Verhoef, E.T. (2018). [Luxemburg zet gratis OV in als tegen fileprobleem](#) (BNR Nieuwsradio, 6 December)
- Verhoef, E.T. (2018). ['Gratis openbaar lost de files niet op'](#) (radio interview, Bert op 5, 8 December)
- Verhoef, E.T. (2018). [Project U-SMILE](#) (video by Verdus, with Dutch undertitles)
- Verhoef, E.T. (2018). [Project U-SMILE](#) (video by Verdus, with English subtitles)
- Wee, B. van (2018). [Gaan we binnenkort echt afrekenen per gereden kilometer?](#) (interview, De Volkskrant, 16 November)
- Wee, B. van, Verhoef, E.T. (2018). [Files en Rekeningrijden](#) (tv programme Zondag met Lubach, 11 November)
- Verhoef, E.T. (2018). [Helpt meer asfalt deze keer wel?](#) (expert view, NRC, 13 November)
- Wee, B. van (2018). [Rekeningrijden: alleen de politiek is er nog niet aan](#) (interview, Financieel Dagblad, 8 November)
- Wee, B. van (2018). [Files en oplossingen](#) (interview, BNR Nieuwsradio, 8 November)
- Wee, B. van (2018). [Kilometerheffing halveert fileleed](#) (radio interview, Dr Kelder & Co, Radio 1, 3 November)
- Verhoef, E.T. (2018). [Het aantal files zal alleen nóg meer groeien. Wat te doen?](#) (NOS Journaal, 30 October)
- Wee, B. van (2018). [Meer asfalt, het r-woord of toch het ov: hoe lossen we het fileprobleem op?](#) (news article on NOS.nl, 30 October)
- Wee, B. van (2018). [Kilometerheffing meest effectief tegen fileprobleem](#) (NPO Eenvandaag, tv interview, 30 October)
- Wee, B. van (2018). [De drukte op de weg blijft toenemen: vijf tips om files op te lossen](#) (interview, Trouw, 30 October)
- Wee, B. van (2018). [Files en oplossingen](#) (interview, BRT Radio 1, 30 October)
- Verhoef, E.T. (2018). [5 manieren op verkeersproblemen op te lossen die je nog niet kende](#) (VU Magazine, 23 October)
- Verhoef, E.T. (2018). [Probeer het gedrag van automobilisten te veranderen om het fileprobleem op te lossen](#) (RTL Nieuws Half Acht, 30 October, item starting on 16:53)
- Verhoef, E.T. (2018). [Recept tegen verkeersinfarct: aan het eind van de file gas erop](#) (news article in Financieel Dagblad, 28 October)
- U-SMILE team (2018). [Parkeerrechten verhandelen werkt](#) (online news article on Parkeerskunde.nl, 13 September)
- U-SMILE team (2018). [Verhandelbare rechten als oplossing voor schaarstevraagstukken](#) (online news article on Platform31, 5 September)
- Wee, B. van (2018). [Meer asfalt leidt altijd tot meer files. Klopt dit wel?](#) (news article, De Volkskrant, 29 June)

- Verhoef, E.T. (2018). Een nieuw huis in de stad? Zeg dan maar dag tegen uw auto, of toch niet? (interview, De Volkskrant, 25 June)
- Wee, B. van (2018). Verkeersdrukke neemt toe: steeds meer files in Limburg (interview, De Limburger, 13 June)
- Verhoef, E.T. (2018). Surf-hoogleraar Erik Verhoef in Brandpunt+: 'Er mag wel een tandje bij qua bereikbaarheidsbeleid' (newsitem on surf.verdus.nl, 18 June)
- Verhoef, E.T. (2018). Nederland fileland (documentary, Brandpunt+, specific about the project at 9:35, 12 June)

Update from our partners

The **VU team** (Yue Bao, Devi Brands, Erik Verhoef) recently translated its work on the lab-in-the-field experiment (conducted in December 2017) into a scientific working paper. The paper presents a complete design of a market for tradeable permits and discusses the empirical implementation. It provides evidence of the functioning of the market and insights into the behaviour of participants. As a next step, the team is currently committed to realizing a first experiment with tradeable permits on the road.

The **TU-Delft-TPM team** (Lizet Krabbenborg, Eric Molin, Jan Anne Annema, Bert van Wee) is writing a paper on 'the feasibility of tradeable peak permits –interviews with experts'. Next, Lizet will study the users perspective on tradeable peak permits by conducting several focus group meetings in January/February 2019. In March, her fourth study will start, in which she will design a stated choice experiment.

The **TU-Delft-CITG team** (Kai Yuan, Victor Knoop, Hans van Lint) has been working on two topics lately. First, they designed a cordon tolling scheme to maintain the network flow at the capacity level using an Macroscopic Fundamental Diagram (MFD) based model. Second, they are investigating to what extent the traffic dynamics can be properly represented on an area-aggregated level. That is, when using one aggregated MFD to represent the traffic dynamics in a monitored neighbourhood, how large is the error compared to reality or other types of modelling? The second research will contribute to the network-level traffic dynamics modelling in a tolling scheme design.

The **RUG team** (Nadja Zeiske, Ellen van der Werff, Linda Steg) is currently working on the evaluation of a three-week trial of a free public transport card for residents of Groningen, who normally commute to work by car. The trial was evaluated for approximately one year. The findings show that participants are very positive about the possibility to try out public transport for free, and are also highly motivated to use public transport during the three-week free trial. It was found, however, that the intention to use public transport to commute to work after the free trial ended was rather low, indicating that participants may have returned to commuting to work using their personal car. These findings suggest that financial incentives can be effective to change travel behavior, but only when the incentive is in place.

The **HVA team** (Jan Dam, Robert van den Hoed, Milan Tamis, Ruben Stam, Martin Boerema) sent out a second taxi survey in November 2018 together with the RUG team. Results from this survey will be compared with the results of the taxi survey from 2017, to examine whether more taxi drivers have adopted an electric vehicle and which factors might have influenced this adoption. More descriptive statistics were included in the monitoring



tool for the **City of Amsterdam** (Bertold Plugboer), thus enhancing the possibilities to monitor the effects of the measures to clean the taxi sector in Amsterdam. The number of clean taxis grew very rapidly in 2018, possibly as a reaction to allow only clean taxis at the taxi stands at Amsterdam Central Station and Leidseplein as from January 2018. HvA analysed this electric taxi growth in order to estimate the required number of fast chargers needed to facilitate the electric taxi sector. The business case tool was further improved. Possibilities to make this tool available for the taxi sector will be looked into. In the **Amsterdam Arena** (Maurits van Hövell), HvA carries out a multistakeholder analysis for parking facilities with electric charging facilities.

Verkeersonderneming Rotterdam (Steven Butter and Ewout Spit) recently celebrated its tenth anniversary. Steven Butter: “For ten years, we have been working on sustainable mobility in the Rotterdam region. Time to share two successes! First, in order to minimize the impact of incidents on traffic congestion around Rotterdam, we started an initiative: by deploying better cameras and collaboration with smartphone mobility apps, we can now deal faster with incidents than elsewhere in the country. Recovery companies are 38% faster on the spot than elsewhere. This makes the road sooner available for maximum utilization after the



incident.” Another important topic for Verkeersonderneming is mobility happiness. “You may be unaware, but the fact that you can move freely makes you a happy person. However, this is not the case for everyone. For some people it is financially not feasible to move freely through the city, simply because they don’t have the means to pay for transport. Others find it scary to move through busy city traffic. De Verkeersonderneming supports innovative initiatives in getting these people out of their transport isolation.”

Save the date

▷ The final workshop of [IP-SUNTAN](#) (Innovative Policies for Sustainable Urban Transportation) will be held on **Friday 15 March**, 2019, at the Tinbergen Institute Amsterdam. More information will follow soon.

Outreach

- Verhoef, E.T., D. Brands, J. Knockaert and P. Koster (2018). [Verhandelbare mobiliteitsrechten: kansrijke piekmaatregel?](#) *NM Magazine* 13(1): 17-19
- Verhoef, E.T. (2018). *Trading Trips*. Presentation given at the ITEA (International Transportation Economics Association) Annual Conference on Transportation Economics, held in Hong Kong, 25-29 June.
- Verhoef, E.T. (2018). [Verhandelbare spitsrechten als oplossing voor de files](#). Blog on [Spatialeconomics.nl](#).
- Verhoef, E.T. (2018). *Verhandelbare spitsrechten*. Presentation held at the Vervoerregio Amsterdam Regiodag 2018, Amsterdam, 15 May
- Zwaal, B.A., V.L. Knoop and H. van Lint (in press). The Effect of Traffic Signals on the Macroscopic Fundamental Diagram. *Proceedings of Traffic and Granular Flow 2017*. Berlin: Springer
- Bao, Y., Koster, P. and Verhoef, E.T. (work in progress). *Regulation of dynamic congestion with tradable peak permits*.

- Brands, D. (2017). *The lasting impact of incentives: evidence from a peak-avoidance experiment*, paper presented at the ITEA Annual Conference on Transportation, Barcelona, 22 June
- Verhoef, E.T. (2017). [Managing congestion with tradable permits: The best of both worlds?](#), blog on www.spatialeconomics.nl
- Zeiske, N. (2017). *The motivational impact of smart incentives to promote sustainable behaviour*. Presentation held at the International Conference of Environmental Psychology in A Coruna, Spain, 29 August-1 September
- Verhoef, E.T. (2016). [Stelling over de actualiteit: Eénmaal andermaal... geparkeerd!](#) *Verkeer in beeld*, online publication, 16 March

Do you want to know more about U-SMILE? Visit our [website!](#)

[U-SMILE \(Urban Smart Measures and Incentives for quality of Life Enhancement\)](#) is a [SURF \(Smart Urban Regions of the Future\)](#) project, which is part of [VerDuS \(Verbinden van Duurzame Steden - Connecting Sustainable Cities\)](#). Within this knowledge initiative, scientific researchers work together with professionals to develop knowledge that helps address issues relating, for example, to urbanisation, the environment, mobility and transport. VerDuS is an initiative of NWO (the Netherlands Organisation for Scientific Research), Platform 31 and various Dutch ministries. The U-SMILE consortium consists of academic partners from Vrije Universiteit Amsterdam, Rijksuniversiteit Groningen, Delft University of Technology and University of Applied Sciences, Amsterdam, and non-academic partners from the municipalities of Amsterdam and Groningen, Verkeersonderneming Rotterdam, Amsterdam-Arena and Amsterdam Zuidas.

