International Conference on Smart Cycling

Programme

March 25th: International Conference on Smart Cycling

Location U-park hotel University Twente (NL)

09:00-10:00	Registration and coffee		

10:00-11:15
Plenary session
	• Welcome by moderator Kevin Mayne
	• Introduction to MegaBITS by Ronald Jorna, project manager of the MegaBITS project
	• Q&A with:
	  ○ Marc Teutelink, Vice-mayor for Mobility and Digitalisation of the City of Enschede
	  ○ Syb Tjepkema, Senior Policy Advisor of the City of Zwolle
	  ○ Tina Caers, Head of Mobility Department of Province of Antwerp
	  ○ Laura Babío Somoza, Smart Mobility Cluster Lead POLIS
	• Keynote speech by Frauke Behrendt, Associate Professor in Transitions to Sustainable Mobility at the Technology, Innovation and Society Group at the Eindhoven University of Technology		

11:15-11:45	Coffee break		
11:45-12:45 Break out round 1	**1A**: **Lessons from MegaBITS implementations** *Session lead*: Pontus Wallgren (Chalmers University) *Content*: First Felix Hendriksson (Chalmers) will present the key evaluation results. This will be followed by a panel discussion with the MegaBITS flagship partners from Province of Antwerp, Province of Overijssel, Hamburg, Copenhagen and Le Havre Seine Métropole.	**1B: A playbook for Floating Bike Data (FBD)** *Session lead*: Pieter Morlion (imec) *Content*: Presentation of the FBD playbook, share experience of use cases from MegaBITS pilots and outlook on the future use of FBD. Speakers: • Sofie De Lancker (imec): Floating Bicycle Data playbook	**1C: Cycling Technologies (NECTAR session 1)** *Session lead*: Karst Geurs (University of Twente) Speakers: • Marco Dozza (Chalmers): Toward intoxication detection systems for micromobility

		• Jørgen Wanscher (Hermes Traffic Intelligence): Floating Bicycle Data - The "True" Value • Per-Arno Plötz (City of Hamburg): Floating Bike Data in Practice: A City's View on Incentives, Barriers and Data Quality • Charlie Wilson (See.sense): How See.Sense maximises floating bike data uptake, safety and effectiveness	• Florian Michahelles (TU Wien): Advanced cycling assistance systems
12:45-13:45	Lunch break		
13:45-14:45 Break out round 2	**2A: From Games to Gains: Exploring Cycling Data and ITS solutions for Better Decision-making** *Session lead*: Robin Kleine and Veronique Rietman (Mobycon) *Content*: This session invites participants to roll up their sleeves for a playful, hands-on introduction to cycling data and Intelligent Transport Systems (ITS). The goal is to discover, compare and prioritise smart cycling solutions in a way that is both fun and useful. This will be done by: • Playing a quartet game to familiarize participants with a broad range of ITS solutions • Working on a matrix exercise to debate the impact and feasibility of different ITS solutions on an earlier defined policy goal.	**2B: Data-driven mobility/cycling policy** *Session lead*: Pontus Wallgren (Chalmers University) *Content:* Exploring how bicycle data is used to support bicycle policies. We will examine both well-known data sources such as stationary traffic counts, but also new data sources as FBD. What new data is needed to support future cycling initiatives? Introductory pitches from: • Steven Soetens (Province of Antwerp): F106 bike route • Kim Jakobsen (FINDRS): Floating Bike Data (FBD) – what are the key data • Jakob Bülow Find (City of Copenhagen): How will we utilise FBD, counts, speed, etc. in recommendations to politicians Followed by a panel discussion.	**2C: Crash Risk Detection & Safety Analytics (NECTAR session 2)** *Session lead*: Baran Ulak (University of Twente) Speakers: • Georgios Kapousizis, Jörg Ehlers, Alvaro Garcia-Hernandez (RWTH Aachen University): Identifying high-risk cycling locations using smartphone data • Gemma Schepers, Menno Mimpen, Mirelle Peters*, Paul Schepers, Henk Schravemade, Teun Kok (National Access Point Mobility Data/NDW): Collecting (near)crash data for cycling
14:45-15:00	Coffee break		

15:00-16:00 Break out round 3	**3A**: **F35: the smart cycling corridor** *Session lead*: Wim Dijkstra and Renske Graafland (Province of Overijssel) *Content*: This session focuses on the future potential of the F35 Smart Cycling Corridor in Overijssel. The emphasis is on showcasing possible market applications that could transform the cycling experience along the F35 and its first- and last-mile connections. The goal is to inspire participants by presenting what is already possible in the cycling world and what could still be implemented. The MegaBITS pilots will serve as illustrative examples, but the main discussion will center on innovative concepts and opportunities for the future. Visuals will include a map of the F35, photos of existing interventions, and design concepts for upcoming possibilities.	**3B**: **Data sharing in Europe (harmonization/standardization)** *Session lead*: Mirelle Peters (NDW) *Content*: Introductory pitches of the topic • Aleksander Buczynski (ECF): Standardization of cycling data in the NAPCORE project (phase 1), Cycle Counts project and where we are now • Casper van Gheluwen (imec): Cycle Data Space • Laurent Guennoc (Eco-counter): The power of cycling, data and standardisation and the role of private sector data providers • Stephanie Kleine (Ministry of the Environment, Nature and Transport of North Rhine-Westphalia): Roadmap for smart cycling: data recommendations, VERKKO, NAPCORE (phase 2) Followed by a panel discussion	**3C: Smart Cycling Data and Monitoring (NECTAR session 3)** *Session lead*: Ahmed El-Geneidy (McGill University) Speakers: • Daniela van Geenen (Siegen University): “Smart cycling” data: between “data critique” and “good enough” data • Deepak Yeleshetty, Yanqui Huang (University of Twente): Secure Data Sharing in Smart Connected Bicycles
16:00-16:30 Wrap up	Interactive wrap-up of the conference, including an outlook on smart cycling. With contributions from Peter Racz (Interreg North Sea), Wim Dijkstra (Province of Overijssel), Karst Geurs (University of Twente), Frauke Behrendt (Eindhoven University of Technology) and Martijn Dadema (Deputy of Province of Overijssel)		
16:30-17:15	Post-conference drink *During the drink it will be possible to try the test-bike of the University of Twente.*		