Driver Diaries: A Multimodal Mobility Behaviour Logging Methodology

Martin Kracheel, Vincent Koenig, Roderick McCall, Thomas Engel
SNT/EMACS, University of Luxembourg
Email: firstname.lastname@uni.lu

Overview

Interdisciplinary Approach
- Transport
- Psychology
- Human – Computer Interaction

Goal
- Reducing congestion through a mobile app that offers alternative behaviour

Elements
- Online survey
- Mobile App
- Interview
- Shadowing/In-Car study

Features
- GPS data and manual input
- Tailor made for context
- Usability Tests in lab
- Into the wild Tests

Development
- Purpose(s) of the Journey
- Companions

Findings

Comprehensive Picture
- Mobility behaviour
- Motivations
- Game design concepts

Activity perception
Which places do you frequently visit, once per week, as part of your weekly commute from home to work?

Activity mapping

Mobile App

Development
- Tailor made for context
- Usability Tests in lab
- Into the wild Tests

Mobility Activities
- Transport method(s)
- Purpose(s) of the Journey
- Companions

Findings

Comprehensive Picture
- Mobility behaviour
- Motivations
- Game design concepts

Activity perception
Which places do you frequently visit, once per week, as part of your weekly commute from home to work?

Activity mapping

Findings

Comprehensive Picture
- Mobility behaviour
- Motivations
- Game design concepts

Activity perception
Which places do you frequently visit, once per week, as part of your weekly commute from home to work?

Activity mapping

Please contact: Martin.Kracheel@uni.lu