

Car Sharing and its role in transition to a sustainable mobility future



TEMPEST

- *TEMPEST* = Transforming household mobility practices through shared consumption: Low-carbon transport and sustainable energy solutions in urban areas
- 3-year research project financed by Norges forskningsråd
- Partners: Transportøkonomisk institutt (lead); DRIFT at Erasmus University Rotterdam, Nederland; Lund University, Sverige; TSU at University of Oxford, UK; and PhD research fellow connected to TIK at University of Oslo



TEMPEST

Goal:

Investigate the potential of a transition, away from individually privately owned means of transport (private cars) to car sharing, and implications for mobility practices in households and for energy use

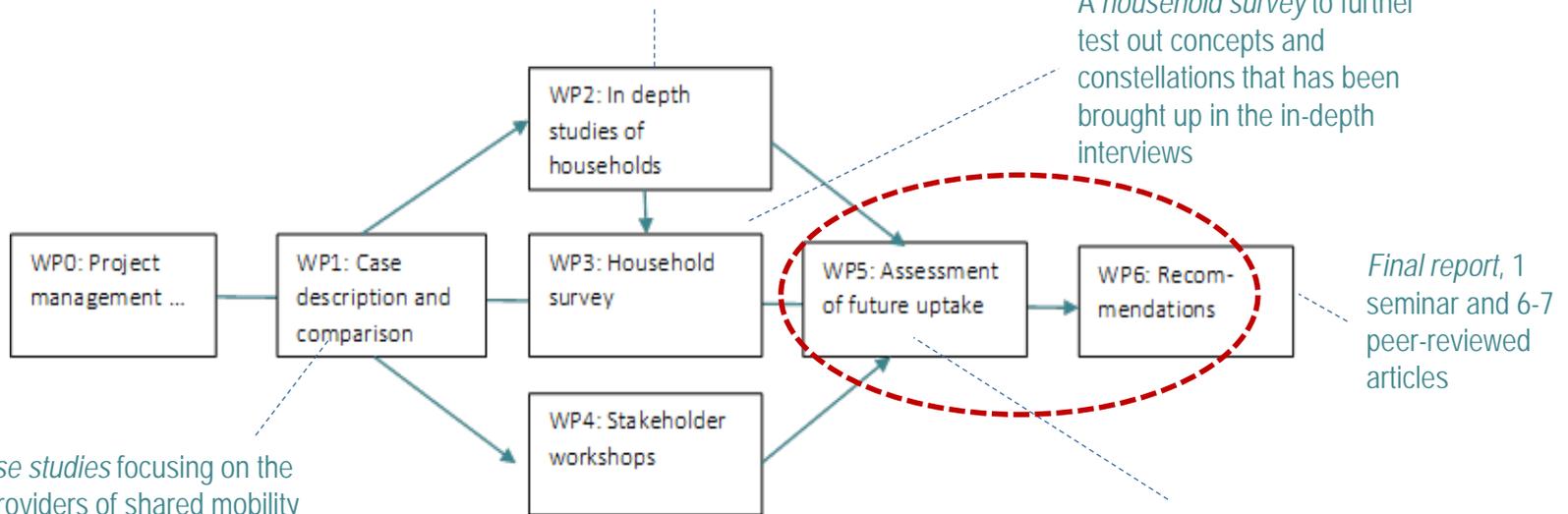
Research approach:

Comparative case study via document analysis, in-depth interviews of households, survey among car shares (only in Norway), stakeholder workshops, and Delphi study (expert survey).

TEMPEST Overview

In-depth interviews is conducted in 12-15 households in each country, related to the cases.

A household survey to further test out concepts and constellations that has been brought up in the in-depth interviews



Comparative case studies focusing on the emerging new providers of shared mobility services within the national contexts of the UK, Sweden, the Netherlands and Norway.

Workshops is carried out with policymakers and stakeholders involved in planning of future urban transport systems.

A Delphi-study distributed as a web-application, is conducted to estimate the future development of shared mobility services.

Final report, 1 seminar and 6-7 peer-reviewed articles

TEMPEST scientific output

Scientific publications and presentations

- *5 scientific articles (2-3 more are coming)*
- *3 book chapters*
- *8 presentations at international conferences*
- *2 reports (TØI)*

- *PhD work*

Changes are happening in the transport system – what will be next?



Purpose and focus areas

Purpose

Exploring the potential for car sharing in as part of a transition (long-term change) to a future sustainable mobility system

Focus areas

- Presentation and discussion: New findings about car shares in four European cities
- Researchers and experts' views on car sharing in the future
- Discussion of how car sharing can become part of a desirable future
- Locating central barriers and drivers for a restructuring towards share mobility
- Propositions, synthesis and agenda-building
- Summary