

From analysis of demand to implementation of scenarios: A prospective study of France in 2050

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Introduction

Proposing renewed prospective analyses





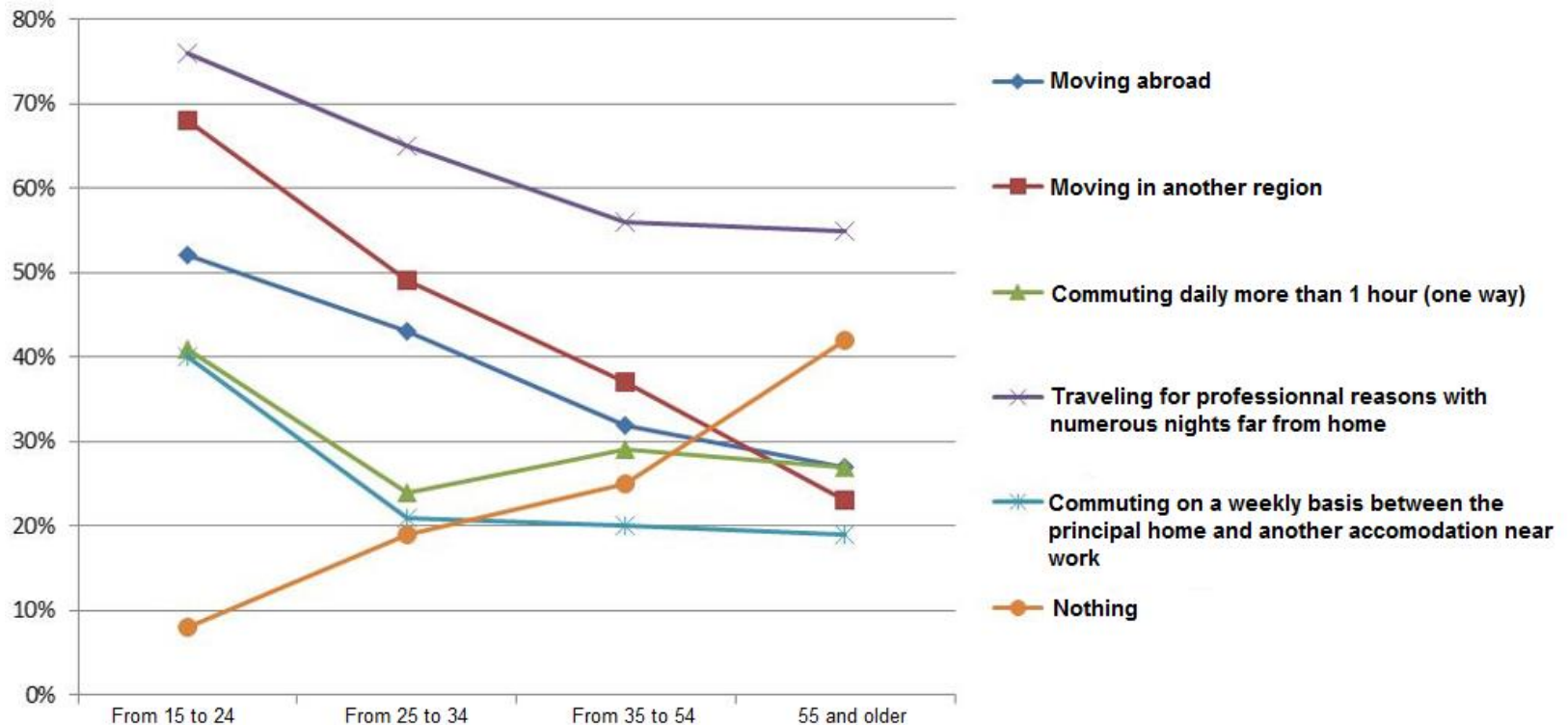
From literature reviews to a quantitative assessment

- > A representative sample of the French population
- > 1800 surveyed people from 15 to 95 yo
- > CATI method
- > Polling organization Ifop
- > Analysis MTI conseil – Transétudes - LaSUR



Surveying mobility practices and potential for change

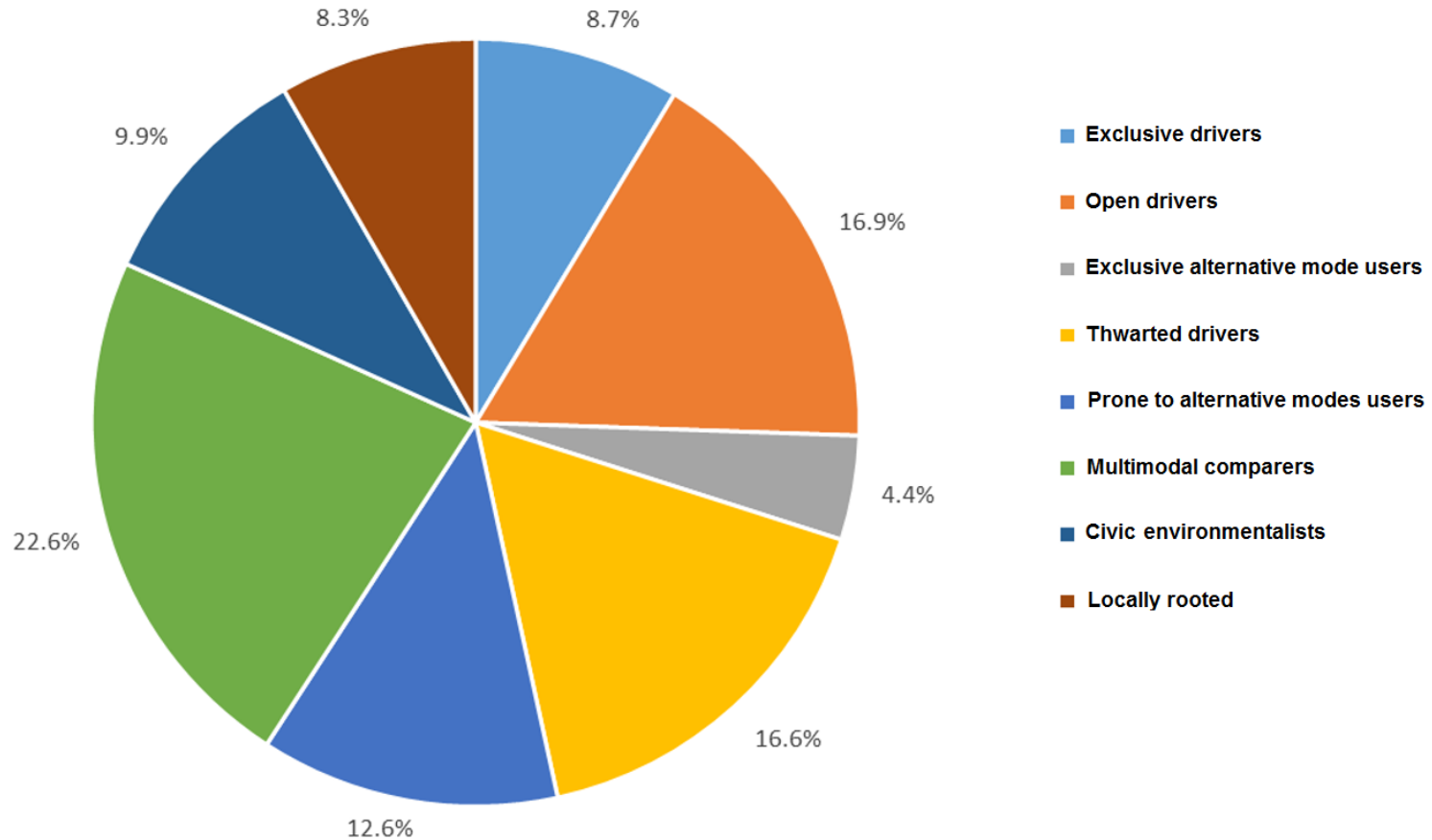
Readiness for intensive mobilities of the french population





Surveying mobility practices and potential for change

Distribution of the French population depending on modal choice logics





Mobility in France, historical perspectives and recent changes, through the scientific literature

3 new phenomena to be considered :

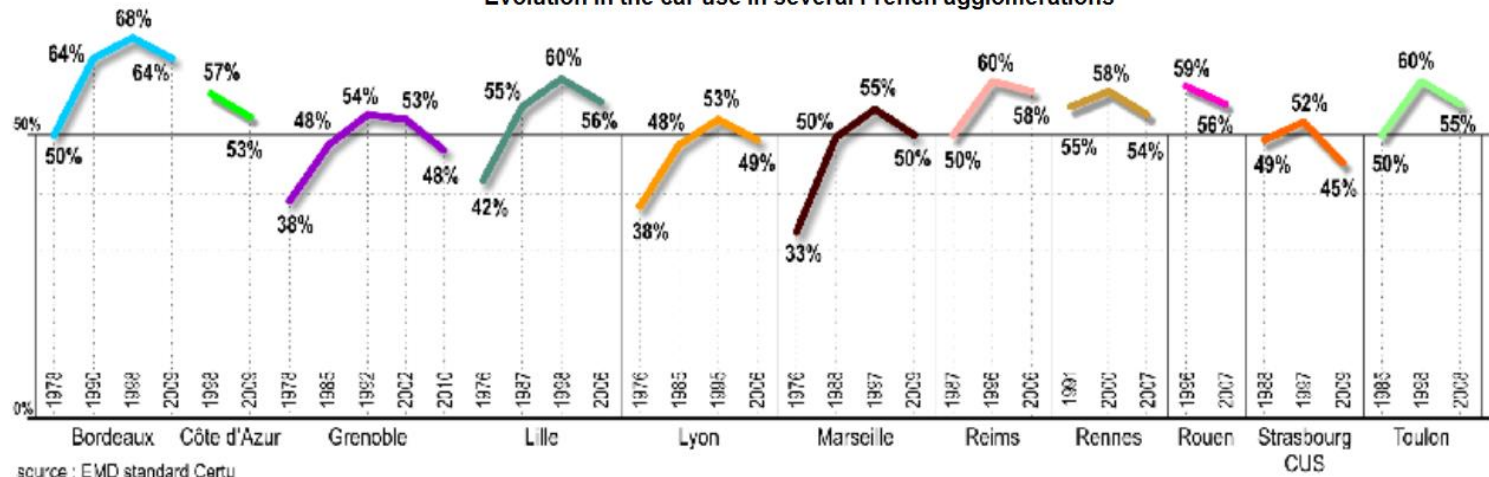
- > The changing role of the car**
- > The development of polytopic habitats**
- > The increase of travel time budget**



What place of the car in daily life in France ?



Evolution in the car use in several French agglomerations





Polytopic living and intensive mobility





Zahavi 2.0, or the increase in daily travel time budgets





Three scenarios for the future

**ULTRA-
MOBILITY**

«Faster and further»

**ALTER-
MOBILITY**

«A different way
of traveling»

**PROXI-
MOBILITY**

«The quality of
local living»



The ultramobility scenario

ULTRAMOBILITY

Key trends

- Increase in work-related high mobility (long-distance and weekly commuting)
- Growing distance between the home and the workplace
- Development of online shopping/administrative procedures and telecommuting

ALTERMOBILITY

Impacts on mobility

- Larger travel-time budgets
- Sharp increase in long-distance mobility
- Less travel for services/shopping/work/studies
- Greater use of planes
- Single occupancy vehicle use still prevalent, and increasing in peri-urban and rural areas

QUALIMOBILITY



The altermobility scenario

ULTRAMOBILITY

ALTERMOBILITY

QUALIMOBILITY

Key trends

- Aspirations for less car use in daily life and in public spaces
- Reduced car ownership among urban households
- Greater awareness of the link between physical activity and good health
- Increased openness to alternatives to single occupancy vehicle

Impacts on mobility

- Stable travel time budgets
- Existence of “door to door” altermobility service over the entire territory
- Increase in travel “chaining” and multimodality
- Increased use of active and shared modes
- Modal shift dynamics (see: Germany, Switzerland, the Netherlands, Denmark, etc.)
- Classic car used when no other solution is available



The proximobility scenario

ULTRAMOBIILITY

ALTERMOBIILITY

PROXIMOBIILITY

Key trends

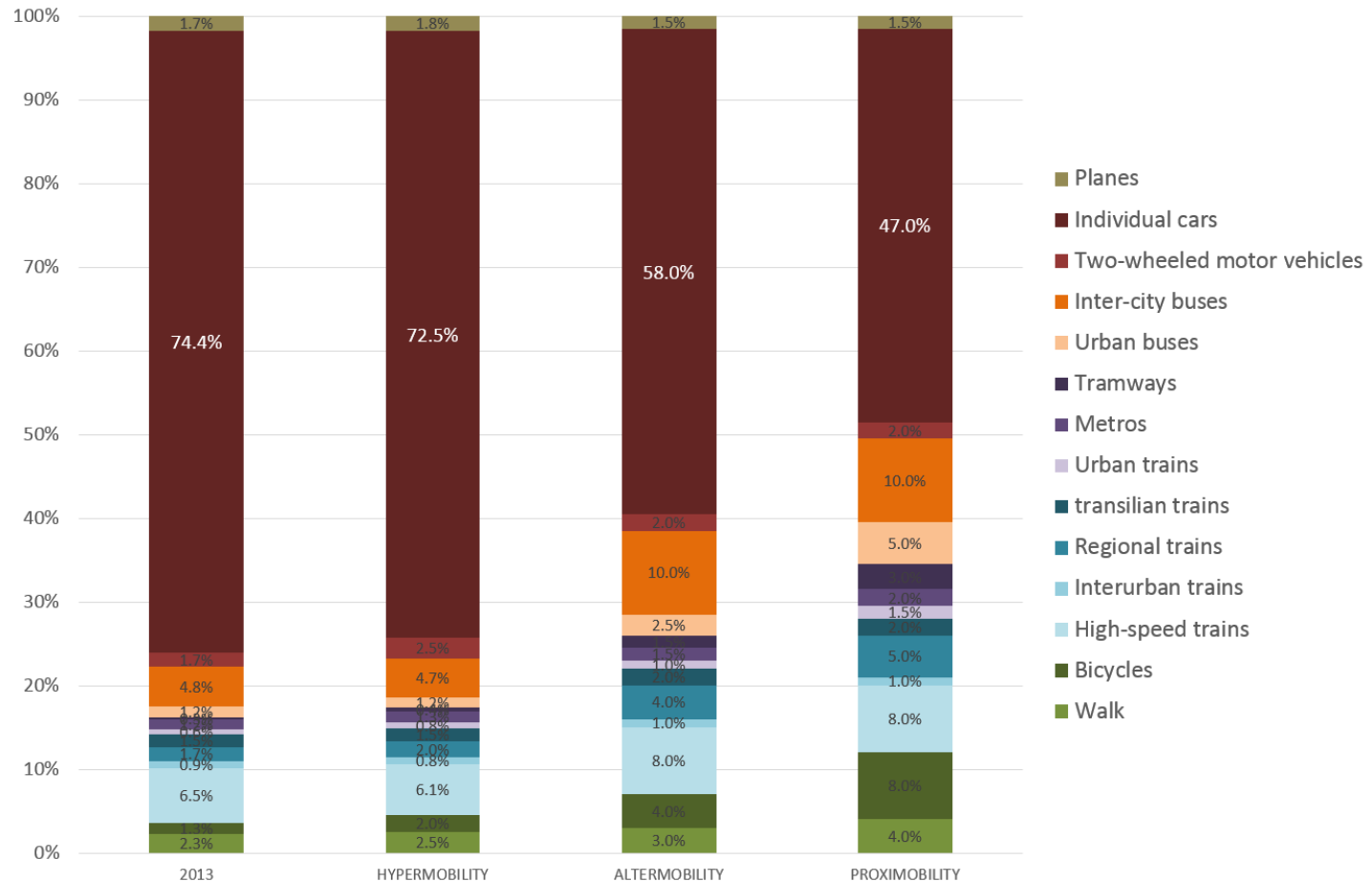
- Fatigue due to high mobility/fast-paced daily life
- Aspirations for a better quality of life (desire to slow down)
- Ultra-connected proximity
- Appreciation of proximity and reinvestment in local life: residential relocation versus long commutes
- Geographical densification and renewed appreciation of urban life and habitat

Impacts on mobility

- Smaller travel time budgets
- Decrease in long-distance mobilities:
shift from international travel to travel in France
- Sharp decrease in daily commute distances
- Daily: intensive use of active modes (walking, cycling) and moderate car use
- Long distance: use of the TGV because the quality of travel time is essential

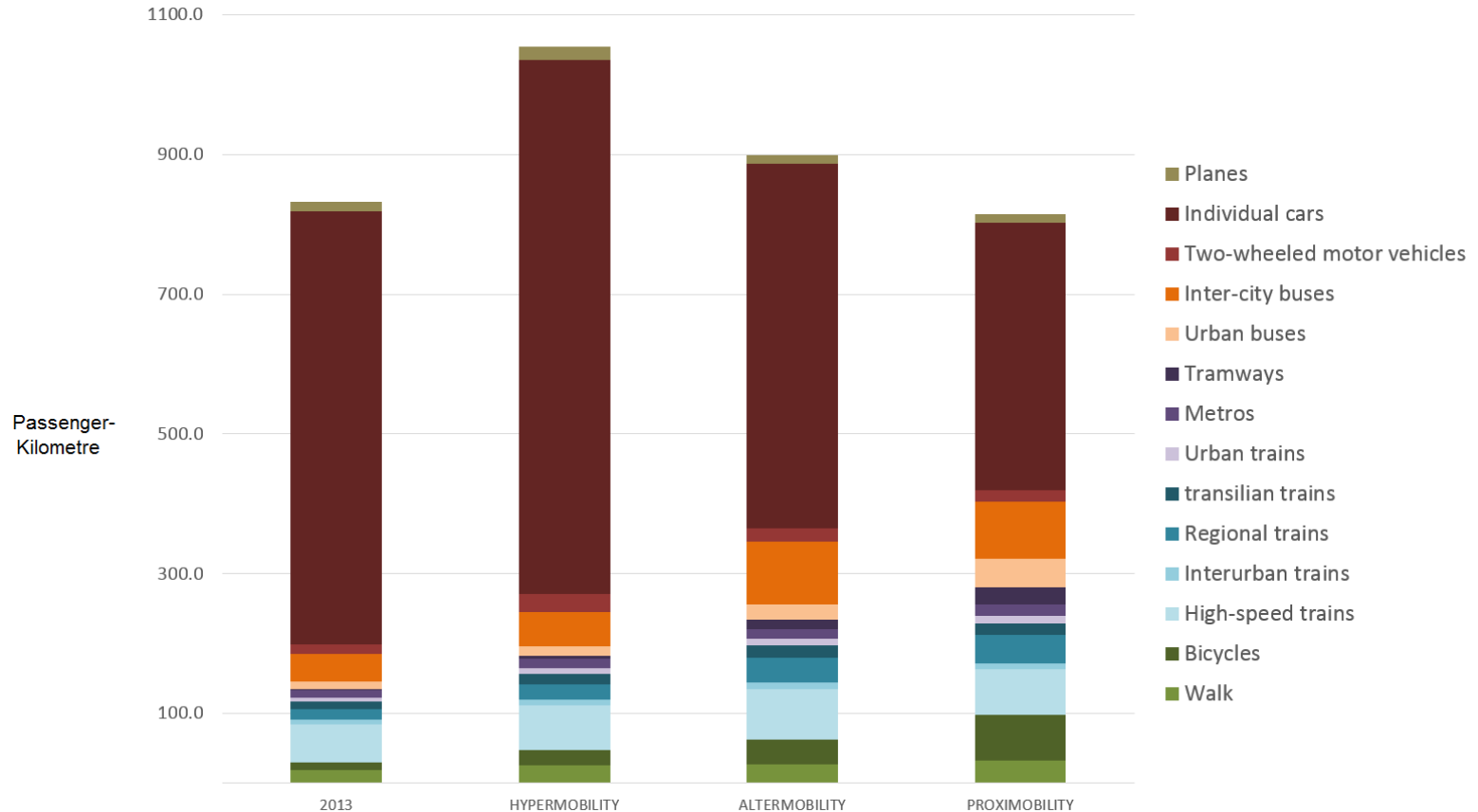


Modal shares for the three scenarios (ultramobility, altermobility and proximobility)





Traffic volumes for the 3 scenarios (ultramobility, altermobility and proximobility)





Some conclusions

- > All predictions of future traffic must consider changing customer behaviors and needs as they evolve rapidly and as technological progress is changing the nature of mobility
- > Highlighting some ways to achieve France's commitments (to divide Greenhouse gaz emissions by 4) allows a better understanding of the need for a political engagement
- > Finally, we can question the place car will have in the future, without trying to give an answer...



**Thank you
for your attention**

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