

## Critical review “Qualitative studies”

Annie Pauzié

**INRETS/LESCOT**  
*French National Institute for Transport and Safety Research  
Laboratory of ergonomics and Cognitive Sciences applied to Transport*

pauzie@inrets.fr



Annie Pauzié, INRETS/LESCOT, SIZE final workshop, 23rd-24th March 2006, Brussels

## Critical review “Qualitative studies”

- SIZE qualitative issues related to transport, mobility and quality of life of senior citizens
  - Basic factors influencing seniors' mobility
  - The ways in which senior citizens cope with their mobility situation
  - Main factors that enhance or limit the mobility of older adults
  - Potential measures to improve the situation
  - Obstacles preventing implementation of the useful measures
- Issues to be covered by the critical review
  - Did the expected results have been achieved and/or have changed?
  - Did they fit and satisfy what fixed at this step in the SIZE framework?
  - Which are the findings and how innovative are they?
  - How SIZE data allow to go a step further to improve senior mobility through research? What could be done next?



Annie Pauzié, INRETS/LESCOT, SIZE final workshop, 23rd-24th March 2006, Brussels

## Expected results achieved ? Results fit/satisfy with SIZE framework ?

### *SIZE expectation*

- Basic factors influencing seniors' mobility in terms of **seniors' motivations and purposes for mobility**

### *SIZE results*

- Everyday needs (medical care, shopping), Leisure (physical activities), Maintenance of social contacts (self-acceptance)

### *SIZE expectation*

- Basic factors influencing seniors' mobility in terms of **seniors' functional abilities**
- Main factors that **limit** the mobility of older adults

### *SIZE results*

- Functional Specificities: perceptive, cognitive, motor, psychological

## Expected results achieved ? Results fit/satisfy with SIZE framework ?

### *SIZE expectation*

- Basic factors influencing seniors' mobility in terms of **seniors' attitudes and behaviour**
- Main factors that **enhance** the mobility of older adults

### *SIZE results*

- Strategies to compensate deficiencies: physical exercises, social activities, tools to compensate disabilities, use of new technologies, careful planning of trips/journeys, relying on family /friends /organisations

### *SIZE expectation*

- Basic factors influencing seniors' mobility in terms of **social context**
- Main factors that **limit** the mobility of older adults

### *SIZE results*

- « Unfriendly » attitudes of some other social groups towards them
- Transcultural differences among the 8 countries
- Structures and services of social care

## Expected results achieved ? Results fit/satisfy with SIZE framework ?

### SIZE expectation

- Basic factors influencing seniors' mobility in terms of **infrastructure**
- Main factors that **limit** the mobility of older adults

### SIZE results

- Physical barriers: households, public buildings and places, streets...
- Road design and infrastructures, traffic organisation for seniors as pedestrians as well as drivers
- Vehicle and public transport design

### SIZE expectation

- Potential **measures to improve** the situation

### SIZE results

- Enforcement of laws about
  - accessibility of new constructions and urban environment in general,
  - safety and accessibility of road design for pedestrians,
  - organisation of public transport, especially in rural areas,
  - access, understandability and legibility of information on public transport timetable

## Expected results achieved ? Results fit/satisfy with SIZE framework ?

### SIZE expectation

- Identify **obstacles preventing implementation** of the useful measures

### SIZE results

- Seniors are not well represented in decision bodies or counselling institutes
- Legislation not always formulated as friendly for seniors citizens
- Too many exceptions to existing enforcement

### SIZE expectation

- Potential **measures to improve** the situation

### SIZE results

- More significant representation of seniors or senior organisations in decision making bodies
- Proposition of legal changes regarding needs of senior citizens for urban, rural and road environment, for road safety and for social care
- More attention to pedestrians and public transport users in comparison with drivers

## Expected results achieved ? Results fit/satisfy with SIZE framework ?

Austria, Germany, Ireland, Italy, Sweden, Poland, Czech Republic, Spain

### *Differences between countries*

- Lower limit of senior age
- Legal age of retirement
- Economical situation and heterogeneity of group
- Other factors...

### *Important issues for any countries*

- Personal problems
- Motivations
- limitations

## Expected results achieved ? Results fit/satisfy with SIZE framework ?

Austria, Germany, Ireland, Italy, Sweden, Poland, Czech Republic, Spain

### *Differences between countries*

#### *SIZE expectation*

- Basic factors influencing seniors' mobility
- Main factors that **limit** the mobility of older adults
- Potential **measures to improve** the situation

#### *SIZE results*

- Concrete data about each of these points available in order to be able to build up processes to harmonise the situation for seniors at the European level

### General objectives of *SIZE*

- To explain and describe the present mobility and transport situation, the problems, needs and wishes of different groups of senior citizens from their own perspective, compared with experts' points of view
- To motivate action by the authorities and other relevant groups in society who are, or feel, responsible in this area, by making discrepancies in problem identification transparent

### Objectives of *the qualitative studies*

- Description and explanation of everyday **mobility problems** of seniors that influence quality of life negatively

### Review results

- Target reached in terms of identification of **seniors problems and difficulties preventing mobility** taking into account the specificities of **8 European Countries**
- Interest to have **seniors** and **experts** points of view
- Identification of **obstacles preventing implementation** and propositions of measures to **improve it**
- Possibility to bring precision about **the type/content of measures** to propose in order **to improve** the situation?



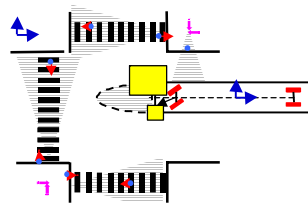
Annie Pauzié, INRETS/LESCOT, SIZE final workshop, 23rd-24th March 2006, Brussels

How the *SIZE* data can allow to go a step further to improve senior mobility through research?

- How to use *SIZE* data about identified problems in order to **define** solutions in terms of **relevant design** (urban environment, road infrastructure, vehicle and public transport) in order to **improve it**?
- How to use the *SIZE* data in order to set up **indications** for future guidelines usable by designers, decision and policy makers



Peoplemover System, Switzerland



Automatic detection of pedestrians to alert bus driver and pedestrian



Annie Pauzié, INRETS/LESCOT, SIZE final workshop, 23rd-24th March 2006, Brussels

### How the SIZE data can allow to go a step further to improve senior mobility through research?

- SIZE data showed/confirmed that seniors are willing to develop, and are developing activities to keep themselves in good shape
- How to **set training programs** to maintain seniors abilities
  - driving training and follow up: senior driver is better protected than senior pedestrian
  - cognitive training: exercises and practice on attention, memorisation, decision making (European Project TELSCAN)
- How to **promote** training programs to decision makers? Is there a lack of data in this area: seniors needs (physical, cognitive, specific abilities), seniors preferences (at home, in specialised centers) and seniors priorities (which abilities) for training

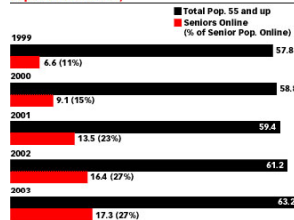


Annie Pauzié, INRETS/LESCOT, SIZE final workshop, 23rd-24th March 2006, Brussels

### How the SIZE data can allow to go a step further to improve senior mobility through research?

- How to **promote the development and the use** of new technologies of information and communication usable by seniors to prepare their trips?
  - Use of public kiosk and internet to prepare the trip in multimodal Public transport (European Project Infopolis)

Seniors Online, 1999-2003 (Millions and as a % of Total Population Above 55)



Source: eMarketer, 2000  
©2000 eMarketer, Inc. www.eMarketer.com

Cybersenior population (1999 to 2003)



Annie Pauzié, INRETS/LESCOT, SIZE final workshop, 23rd-24th March 2006, Brussels