



PEDESTRIAN QUALITY NEEDS
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PQN project

Working Group 2: Needs

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Pedestrians' Quality Needs

WG2 → Perception perspective

- Focus on perception of current situation, attitudes, motives and desires
 - Which human factors influence the safety and freedom of walking?
 - What is known about the needs and expectations of pedestrians?
 - To what extent do pedestrians experience inter- and intrapersonal conflicts in relation to their presence and moving in public space?
 - What is known about the effects of communication on the perception of qualities and shortcomings of facilities for pedestrians in the broadest sense?



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Comprehensive approach → solutions

- Understanding perception of physical and social environments, transport system and communication aspects
- Helps experts to decide which interventions are needed and possible to improve the pedestrians' quality of life?



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Working methods

- Literature search
- Individual compilation of results
- Heuristics
 - Group discussions WG2
 - Putting things together in small groups
 - Presentations in plenary & discussions
- Editing different text contributions



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Filter

Elderly
Children
Others
(third small group)

Preconditions
(second small group)

Physical
Social

Worries

What is mentioned

**Potential
user**

Task, perception of requirements (first small group)

a → b

Risks, other
shortcomings

Wishes/problems → task of users
Solutions: → task of experts

How is walking perceived

Housing, location
Culture
Measures
(fourth small group)

Environment



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Tasks & preconditions for performing them

1st topic: Sub-topics according to original plan

What tasks are pedestrians perceived to perform

What is the perception of presence, mobility and safety in the public space

Which facilities and provisions are perceived to be required for performing the tasks adequately?

Environmental influences



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Actual topics addressed in contributions 1

- Demands and how reactions to them are perceived
- Examples of tasks and preconditions and how they are perceived
 - weather
 - public space
 - aesthetics



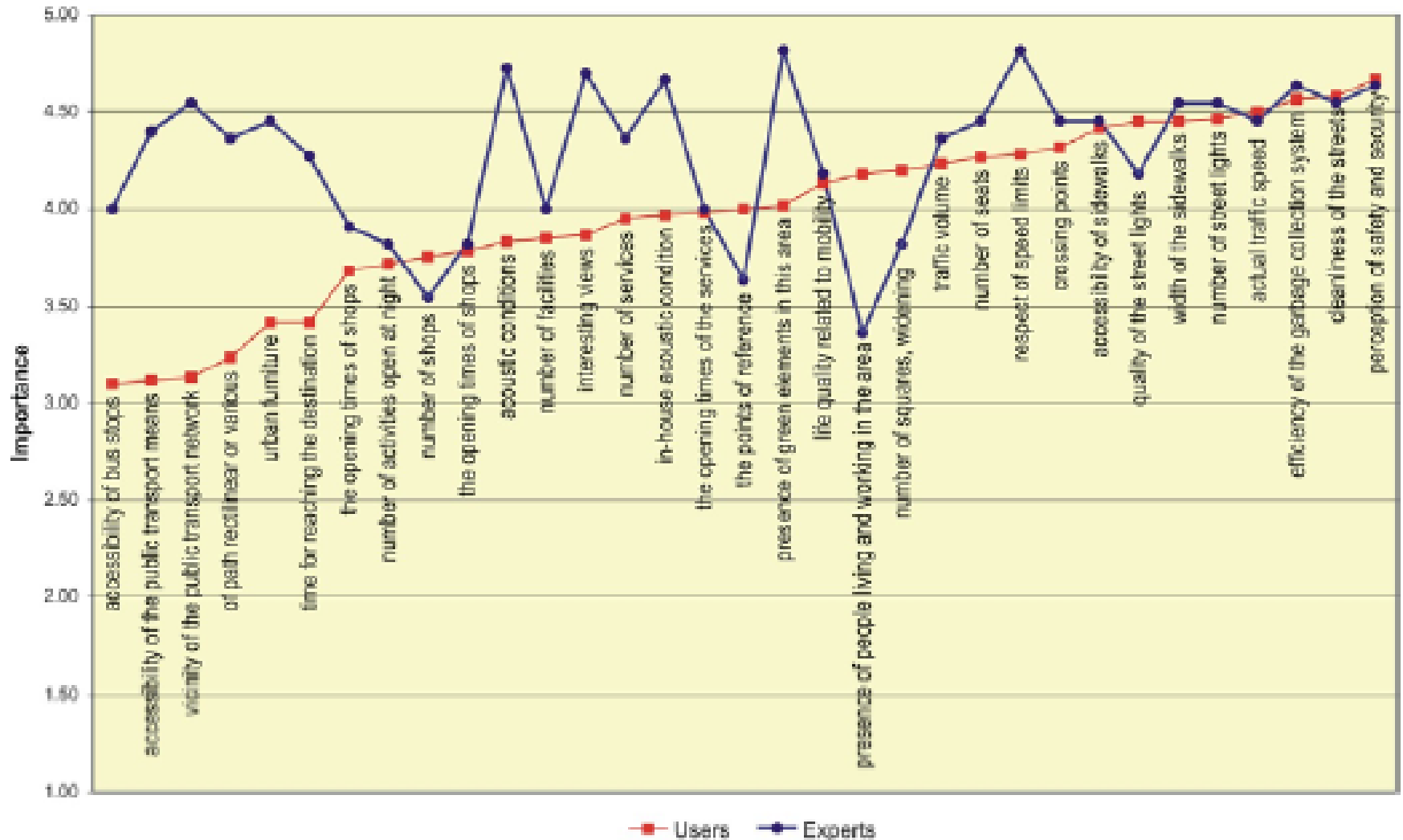
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More contributions task 1

- Other groups and how they perceive the needs of pedestrians (supply)
 - policy makers
 - stake holders
 - planners
- Different methodologies how to evaluate perceptions of preconditions
 - Quality circles
 - Place diagram
 - Examples from EU-projects ASI, PROMPT, HOTEL

Subjective evaluation: Users vs Experts importance



Source: EU project ASI



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Perceived safety and security in the context of other requirements

2nd topic: Sub-topics according to original plan

Perceived physical & social environment and the influence of it

The role of worries

What are the perceived risks & what factors determine pedestrian quality from a perception perspective?

Habits, attitudes, emotions = determinants of behaviour



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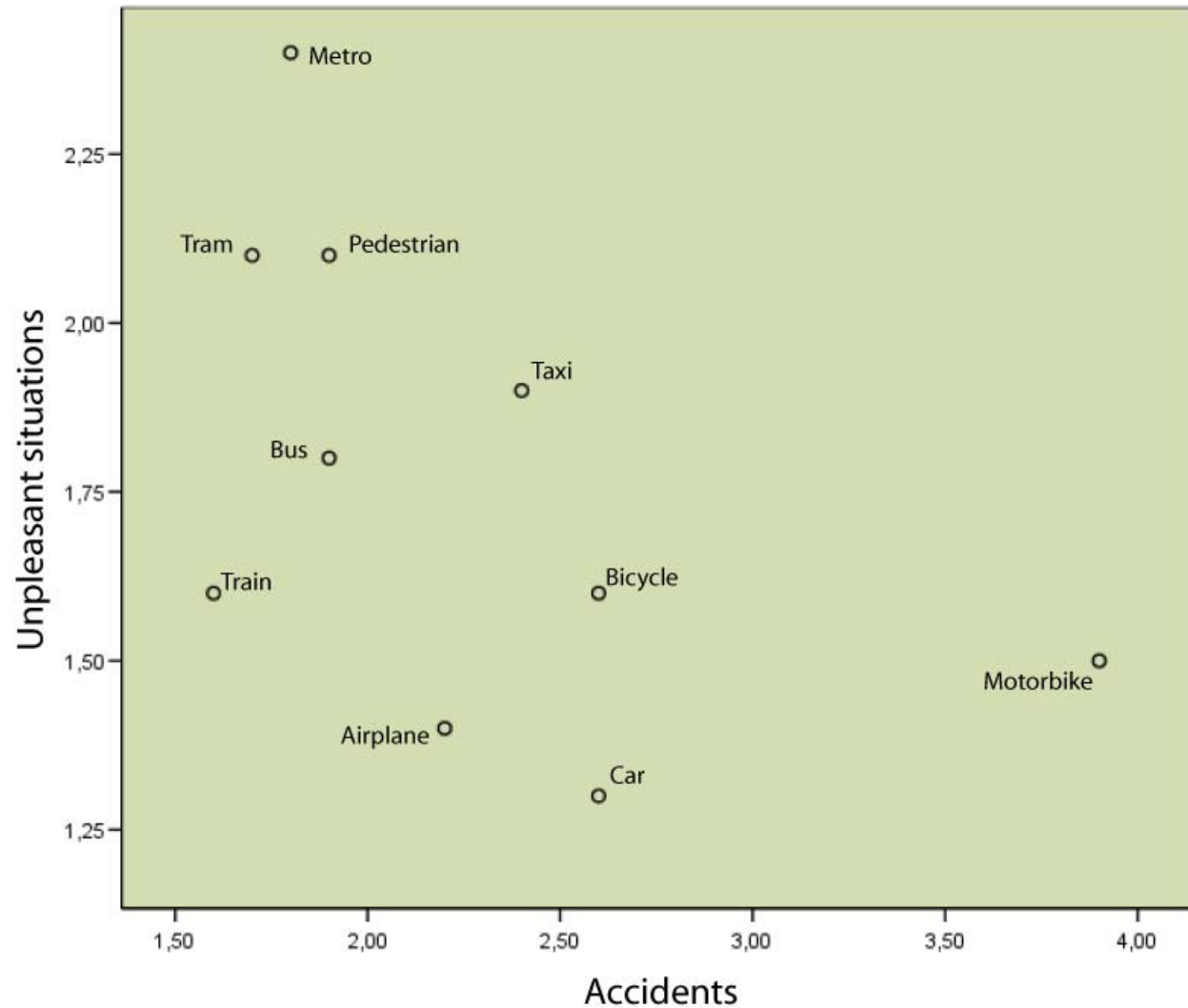
Actual topics addressed in contributions 2

- Risk perception, security and safety
- The influence of safety and security on the decision to walk
- The influence of safety and security while walking



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“Risk profile” of ten modes of transport. Respondents’ perception of worry for accidents and for being involved in an unpleasant situation (crime, violence, harassment). Mean scores from 1 to 5. (Backer Grøndahl et al., 2008)



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Specific groups

3rd topic: Sub-topics according to original plan

Group needs and requirements

Ageing and walking: reality behind the scene

Group needs and requirements

Perceived risks of children



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Actual topics addressed in contributions 3

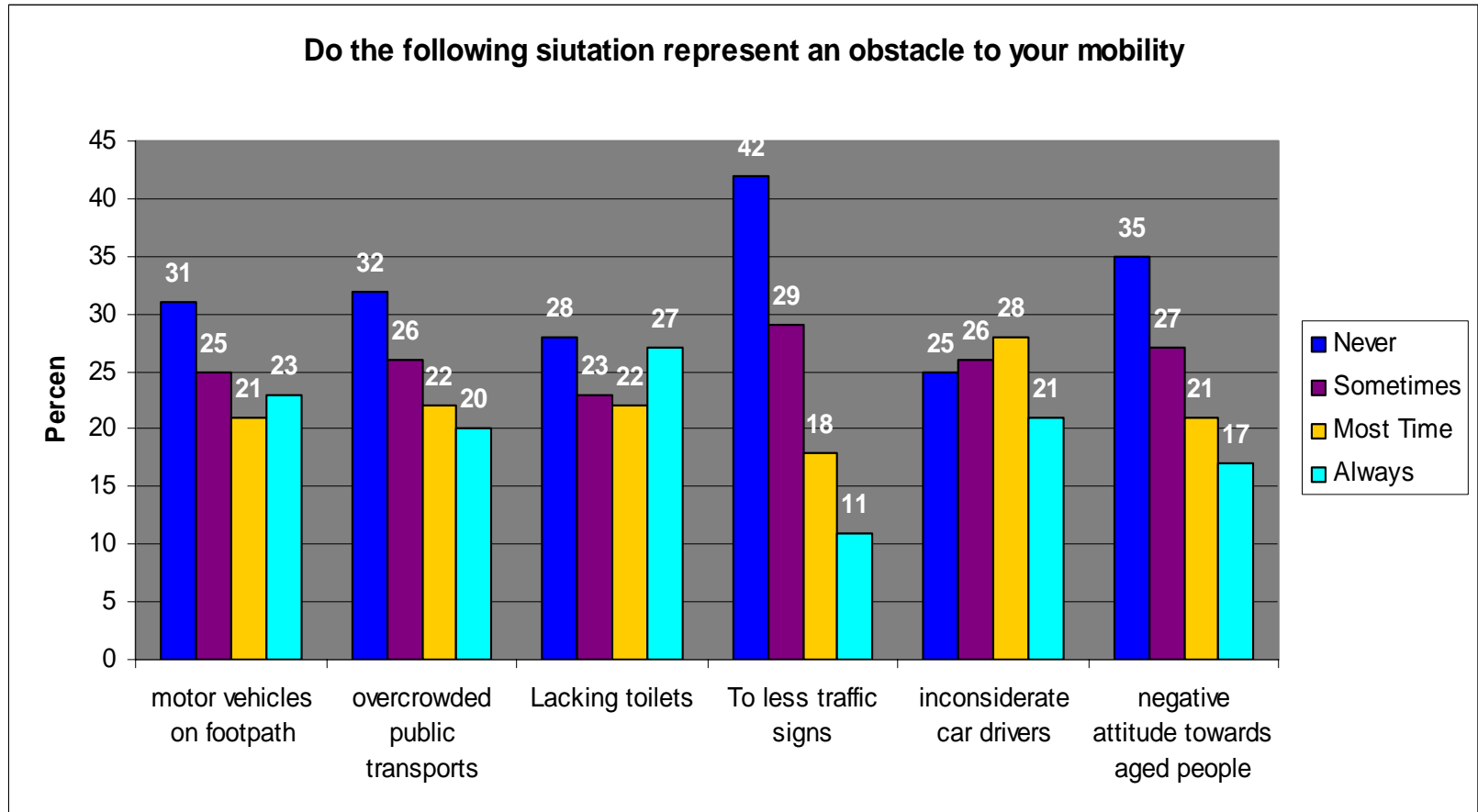
- 3 specific groups
 - children
 - senior citizens
 - disabled/handicapped
- General introduction for each group & case studies



For Example: Problems of seniors

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Source: EU project SIZE



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Higher level preconditions

4th topic: Sub-topics according to original plan

Housing location/place of residence & determinants & consequences (Citizens, politicians & planners)

Measures that people believe in

Construction of walking – Image of walking



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Actual topics addressed in contributions 4

- "The suburban context"
- Existential preconditions: walking speed & time budget
- Strategic decisions: e.g. housing location
- Suburban development
- Case Helsinki metropolitan area: Housing preferences & mobility

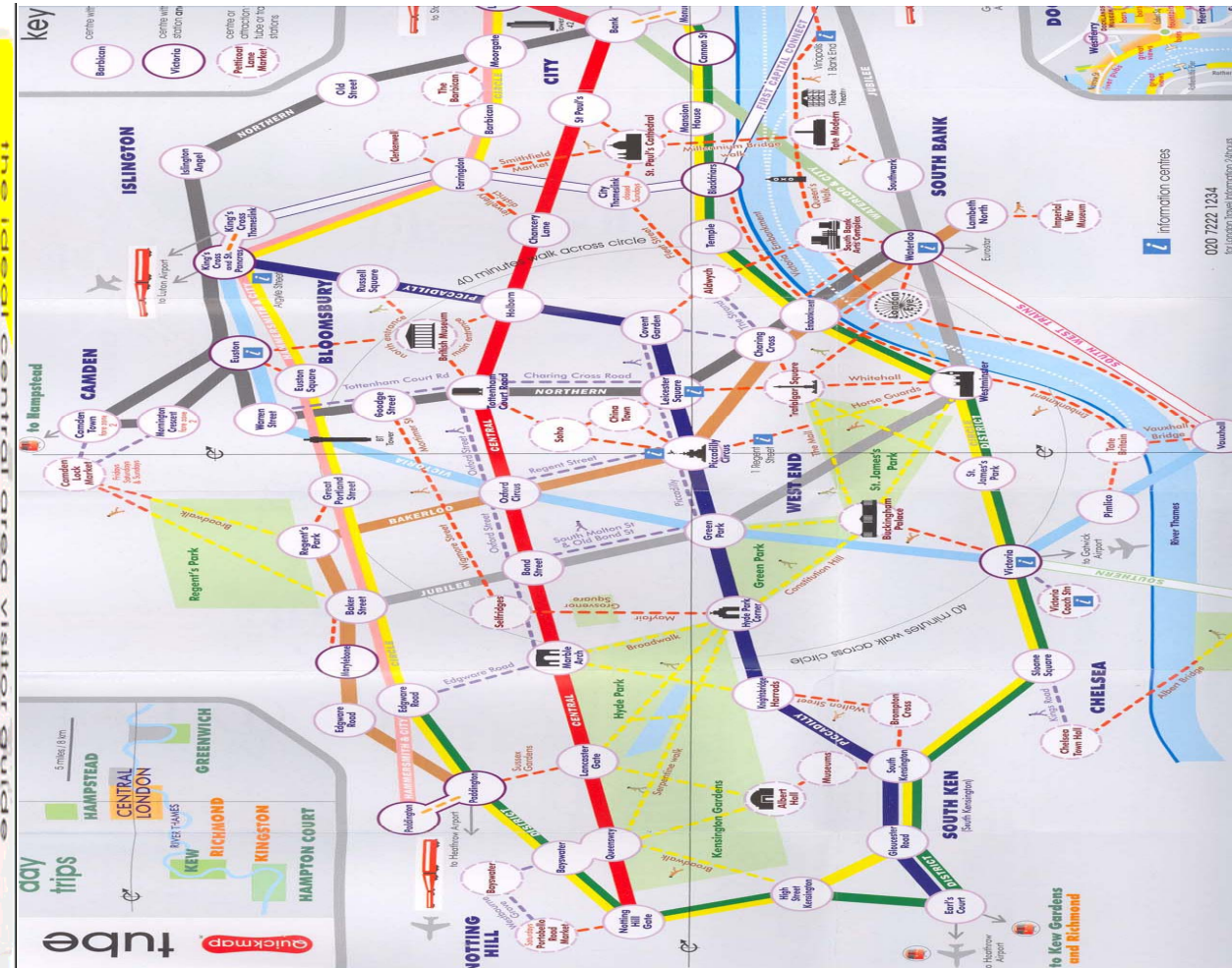


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Measures that people believe in

- Walking in the agglomeration
- Make things visible/ make them heard
- Offer trial environments
- Takes time to shift – provide time & explain
- Information distributed thoroughly
- Social factors affecting walking
- Segmentation - lifestyles - mobility patterns
- Not just the physical but also the social walker
- Systemic assessment



The Tube & Walk map for London highlights the synergies between walking and public transport



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Further chapters

- How is walking experienced as an activity in total → summary of above
- Recommendations/need for further research



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Overview actual content list

1. Tasks and preconditions for performing them
2. Perceived safety and security in the context of other requirements
3. Specific groups
4. Higher level preconditions
5. How is walking experienced?
6. Recommendation/need for further research



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DANKE IHNEN
DANK U WEL
DEKUJI
MERCI
MUCHAS GRACIAS
THANK YOU
VI RINGRAZIO