

- Systematic improvement of the outdoor environment to travel by foot



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Planning for pedestrians – more travel by foot

- Lower environmental impact
- Improvement of physical and mental health
- •Important transport mode in the total travel; part of other transport modes, especially public transport

All transport modes benefit from improved conditions for pedestrians/walking

Planning for walking as a transport mode is unusual and unfamiliar, there is no experience

Pedestrians is an heterogeneous group

Gender and age; background factors for the needs and demands The purpose of the walking trip is of great importance:

- Work or school –short, direct, fast, safe and secure; traffic safety and personal safety
- Leisure/exercise see and experience, safe and secure;
 traffic safety and personal safety







Aim

Long-term objective:

Get more people to choose to travel by foot, and be able to walk safely and securely all year round

Identify what influences

- The choice to travel by foot
- Aspects of the environment that affect travel by foot positively
- Aspects that affect travel by foot negatively
- Systematic improvement of conditions for walking
- Development of knowledge and procedures



Funding and organisation

Funded by the Swedish Transport Administration, 2010-2013

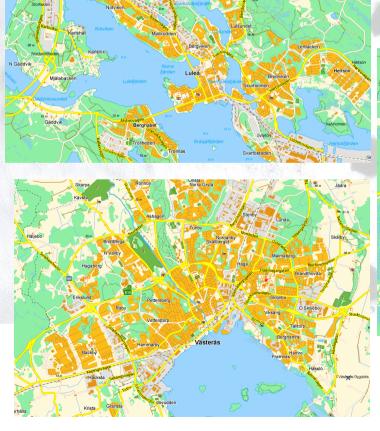
Organisation:

- Luleå University of Technology
- Swedish University of Agricultural Sciences
- Trivector
- Tyréns
- Vectura

Step 1: Workshops and interviews at municipalities and focus group discussions, literature studies

Luleå, Östersund, Västerås, Älmhult and Båstad

Traffic engineers and planning architects









Conclusion Step 1 Problem description

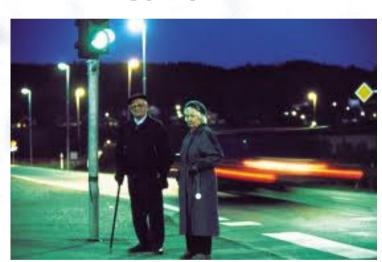
Illustrate the importance of walking as a transport mode and its purpose, it should be a normative element in the process of urban planning

- Policy for planning for pedestrians
- Analyses of walking- quantitative
- Understanding the reasons for walking
- Understanding the reasons for not walking
- Different layers in planning for pedestrians



Policy for planning for pedestrians

- Walking is a mode of transport, not a special interest
- Gap between the vision and what is actually planned
 - → Specific programs for walking needed: strategy / plan
- Defining actors that are relevant :
 - Who has the knowledge?
 - Who is involved in planning?
 - Who decides?
 - Who initiates?
 - Do not forget about other relevant actors:
 All administrations and officials, politicians, business and general public



Analyse of walking- quantitative

Measure and quantify walking:

Financing and planning of pedestrian projects is difficult to studyno tools for describing the effect of measures - to better understand and plan for walking

Quantification of walking a basis for cost models, as a basis for economic calculations

Investigate and demonstrate the link with other transport modes:

Walking is a segments within public transport which should be more visible in the statistics

Understand reasons for walking

Work and school - Exercise & Health - Sojourning - Connection to public transport

Exercise & Health— walking for health can be influenced to a higher extent - depends on the environment

Walking to work and school - dependent on destinations and distances - therefore more difficult to influence

Describe mode choice – route choice - destinations- the built environment (for pedestrians) - by studying the reasons for walking

Always true: Safe and secure, with good maintenance, and aesthetically pleasing

Understand reasons for not walking

Create opportunities for walking: **design and regulation**, right speed in the city

Improved maintenance: comfort, accessibility, fewer single accidents

Improved information about directions

Measures for personal safety

Motor vehicles and cyclists entering the area for pedestrians: **improved separation of different transport modes**



Different layers in planning for pedestrians

Urban planning:

Localisation and urban sprawl- urban development should be analysed from a pedestrian perspective

The urban structure and urban network in relation to pedestrians

The dense city is important but in which way

Required space:

(plenty of) Space for pedestrians, and this surface is not invaded by cyclists and vice versa - increasing with increasing flow

Step 2: Targeted exploratory phase

Focus group discussions with people/pedestrians based on different themes

youth - employed - parental leave - seniors/retired



Fokusgrupp seniorer



Den lilla gågatan



Gångtunnel under järnvägen

Conclusion Step 2 Focus groups – why we walk

- Adults and older people walk for recreation, exercise and health
- Youth walk for practical reasons and to socialize (running for exercise)
- Lack of time combined with the desire for exercise contributes to an interest in walking to work and service
- For the elderly, a combination of walking to service and for exercise to cope

Conclusion Step 2 Focus groups – What we like when walking

- •A "moderate" complexity of the environment, beautiful nature/park, interesting land marks; are factors that can attract to everyday walking
- •Walking for recreation starts at home and goes towards nature, but the streets where you can "window shop" is also an attraction

Luleå: gågatan



strandpromenad

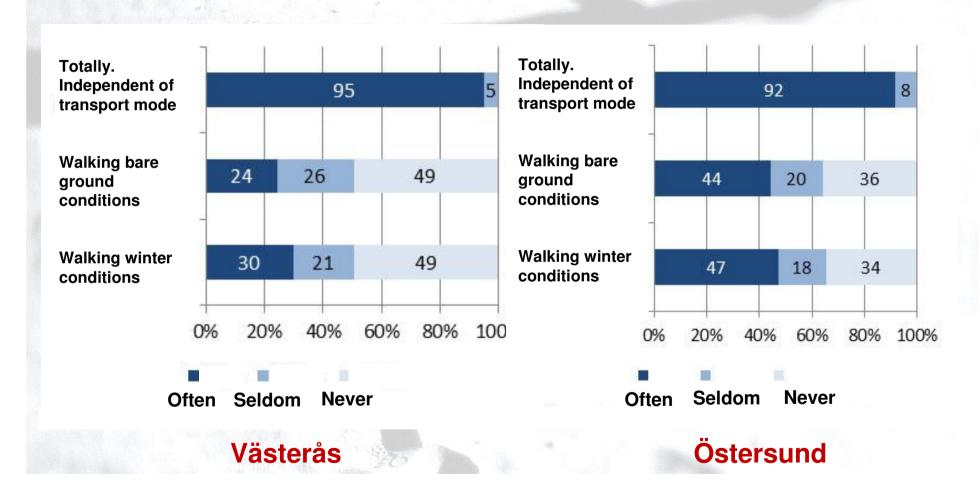


Step 3: Survey walking: habits and attitudes

Persons living in Båstad, Luleå, Västerås, Älmhult and Östersund Age:16-84 years

10	No. of answers	No. of persons	
Båstad	287	600	48%
Älmhult	268	600	45%
Västerås	209	600	35%
Östersund	261	600	44%
Luleå	256	600	43%
Total	1281	3000	43%

Walking to/from work/school/education





Reasons for not walking



- 1. Carry heavy bags
- 2. Poor lighting
- 3. Pedestrian area/space missing
- 4. Poor maintenance
- 5. Low traffic safety single accidents and collision accidents

Four reports Walking

http://fudinfo.trafikverket.se/fudinfoexternwebb/pages/ProjektVisaNy.aspx?ProjektId=2255









Guide for planning for pedestrians – to create the pedestrian friendly community

http://publikationswebbutik.vv.se/shopping/ShowItem____6110.aspx



