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Translating research for policy and practice

Key factors and lessons learned from literature, stakeholders and cities



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AGENDA

- Introduction: Translating research into policy practice
- **PASTA translation work**
- PASTA cities: Strategies, challenges and enablers promoting active transport
- Transport & Health in PASTA cities





Evidence-Base Policy and Research Translation

- Gaining increasing importance in public health
- Currently less of a key concept in transport and planning
- Health evidence poorly integrated in transport and planning





Research translation

- Challenges:
 - Lack of multi-disciplinary and cross-sectoral cooperation
 - Differing processes in research and policy (e.g. dynamics and time constraints, clarity of communication, defining "evidence")
 - Complexity of real world scenarios and lack of policy-relevance of research
 - Enablers:
 - Research reflective of real-world conditions
 - Include practitioners and the public in research (buy-in, experience, engagement)
 - Produce evidence briefs addressing questions identified by stakeholders
 - Resources, capacity building





PASTA Translation work: the summary series



Active mobility and health: Insights from the PASTA Project

According to the PASTA survey, over 40% of car and public transport trips are less 5km. Shifting such short trips to active mobility, such as walking and cycling, is a promi strategy to increase health enhancing physical activity.

What makes people walk and bike?

Framing the issue

Active mobility depends on many things. The PASTA conceptual framework provides a fi of-its-kind effort to systematically combine behavioral concepts, structural features and a large number of determinants identified in the literature as part of a single, comprehensiv framework to illustrate factors influencing walking and cycling. The framework served as guidance for data collection and analysis in PASTA.



What does active mobility mean for health?

Lessons from health impact assessment

Linking active Mobility & Health

Linking active mobility and health is the key issue of the "Physical Activity Sustainable Transport Approaches" (PASTA) project. Those who decide to opt modes of transport are believed to be overall more physically active than those motorized private transport.

Active Mobility (walking, cycling and the use of public transport) is thought to hav implications for health by changing the exposure to certain health determinants like

→ physical activity, traffic incidents, air pollution, noise, social interacti besides others, are related to active mobility.

Changes in exposure levels of health determinants will most likely result in or associated health outcomes like: subclinical changes, signs and symptom diseases, injuries, and disabilities, quality of life, life expectancy, and premature mo

Table 1: Example of some health outcomes associated with active mobility

Active mobility – health determinants and outcomes				
Physical activity	Air pollution	Noise	Green spaces	Social in
Cardiovascular disease	Cardiovascular disease	Cardiovascular disease	Cardiovascular disease	Cardio dise
Respiratory diseases	Respiratory diseases	Sleep distubance	Respiratory diseases	Resp dise
Cancer	Cancer	Annoyance	Mental health	Menta
Life expectancy	Life expectancy	Life expectancy	Life expectancy	Life exp
Quality of life	Quality of life	Quality of life	Quality of life	Qualit



Transport & Health – how far do they link up in cities? What local authorities said...



ura 1: Modal Solit in the 7 rase study cities

To look more closely at the link between promoting Active Mobility (AM), and health in the urban environment, the PASTA project carried out a series of interviews (61) and workshops (7) with local stakeholders and experts from urban and transport planning, public health, PT operatores etc. from the seven PASTA case study cities: Antwerp, Barcelona, London Borough of Newham, Orebro, Rome, Vienna, Zurich.

The majority of the gathered AM measures in the case study cities come under infrastructure (56 measures) as well as social environment (38 measures) as the most visible efforts made to promote AM.

Analysing stakeholders' perspectives reveals that the **cities struggle with similar barriers** and challenges but that there are some **promising strategies** and **enabling factors** from which others can learn.



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Workshops (7) and interviews (61) with stakeholders





Photo: PASTA conso

Photo: PASTA consortium



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Factors influencing promotion of AM in cities

- Political, strategic and planning level
- Institutional, administration, financial level
- Physical environment, infrastructure
- Social environment





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Political and strategic challenges

Strategies promoting AM (Urban mobility plans, cycling vision etc.)

"However, having a strategic policy is still no guarantee for reaching the targets, when implementation fails e.g. due to changes in politics or lacking budget." (Stakeholder, PASTA workshop)

- Sustainability vs. short-term planning
- So Severse development: planning for car







Institutional and administrative challenges

- Lack of communication on institutional level
- Missing collaborations between departments
- Scattered competences and responsibilities
- Top-down approaches(inconsiderate of societal needs)







Financial challenges

- Share a budget for walking and cycling measures
- Seconomic crisis

"Political will is made visible by the budgets ... It is significant that the budgets for the soft modes are still only a fraction of the budgets set aside for car infrastructure." (Antwerp, stakeholder)







Physical environment and infrastructure challenges

- ☆ Limited space for urban renewal; struggle for public space
- Difficult to reduce spaces for cars for the benefits of cyclists and pedestrians
- Need for better infrastructure for cycling
 and for attractive environment for walking
- ☆ Major traffic axes as barriers



"There is a need to promote a sense of safety and security, building cycling infrastructure and traffic calming measures." (London, stakeholder)





Measures promoting active mobility







Social environment challenges

"The perception of cycling needs to change, people need to observe cycle commuting in a positive way, current perceptions of cycling is often negative." (London, stakeholder)



- ☆ Cultural barriers and social norms
- ☆ 'Non-cycling culture' lack of public awareness and communication
- Solution: Setablished habits (difficult to change behaviour)
- Share a start of the support car vs. AM





Enabling factors promoting AM

- Clear vision on sustainable urban mobility; walking and cycling plans,
- Integrating environmental and health targets in AM planning,
- Dedicated budget for AM infrastructure,
- Attractive and safe environment, better infrastructure and more space for cyclists and pedestrians,
- Dense and high quality neighborhoods,
- Joint cooperation between the public and policy makers,
- Awareness and knowledge of the benefits of AM for health.





To link Transport & Health by ...

- making health a key driver in transport planning and decision making,
- including health arguments explicitly in urban policy plans,
- implementation of HEAT in the decision making process,
- idea of 'Health in all policies',
- thinking and acting cross-sectoral,
- structured and regular exchange among the policy fields,
- supporting health literacy among the citizens etc.



"Health is seen as having impact of the transport system, however most people don't understand that to make the population healthy, active travel must be embedded in everyday life." (London, stakeholder)

"On a strategic level the association between health, transport and environment are recognized and also represented in the relevant strategic documents. However, it is not always fully reflected in the daily business." (Zurich, stakeholder)

"There is a general awareness,... but there is a still a long way to go in the transport world to change the culture to ensure that health is considered as a key driver in planning and delivery." (London, stakeholder)





Information and contact



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Thanks for your attention!

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