Mobility Planning Challenges for Local Authorities

6. SUMP Conference, Groningen
18. June 2019

Sebastian Spundflasch, Ilmenau University of Technology
SUITS Objective

“to increase the capacity of local authorities to develop and implement sustainable, inclusive, integrated and accessible transport strategies, policies, technologies, practices, procedures, tools, measures and intelligent transport systems that recognize the end-to-end travel experiences of all users and freight”
Triangulation approach to assess the capacity of (small-to-medium) cities to plan and implement sustainable mobility measures
Mobility Planning Challenges

The tension field of mobility planning for Local Authorities
Mobility Planning Challenges

The tension field of mobility planning for Local Authorities
Challenges Local Authorities have to face „internally“

1. Sustainability Thinking
“If you want to build a ship, don't drum up people to collect wood and don't assign them tasks and work, but rather teach them to long for the endless immensity of the sea.”
Antoine de Saint-Exupery https://www.brainyquote.com/quotes/antoine_de_saintexupery_121261

Challenges Local Authorities have to face „internally“

1. Sustainability Thinking
2. Institutional Cooperation
Institutional Cooperation – Intermunicipal cooperation

Guideline on Institutional Cooperation (Ch4llenge project)

Inter-municipal cooperation Introduction Guide
By the International Cooperation Agency of the Association of Netherlands Municipalities

Toolkit on inter-municipal cooperation
https://rm.coe.int/imc-intermunicipal-cooperation/1680746ec3
Challenges Local Authorities have to face „internally“

1. Sustainability Thinking
2. Institutional Cooperation
3. Systematic staff deployment and –development
Challenges Local Authorities have to face „internally“

1. Sustainability Thinking
2. Institutional Cooperation
3. Systematic staff deployment and –development
4. Effective project management and monitoring
Challenges Local Authorities have to face „internally“

1. Sustainability Thinking
2. Institutional Cooperation
3. Systematic staff deployment and –development
4. Effective project management and monitoring
5. Knowledge management / knowledge transfer
Challenges Local Authorities have to face „internally“

1. Sustainability Thinking
2. Institutional Cooperation
3. Systematic staff deployment and –development
4. Effective project management and monitoring
5. Knowledge management / knowledge transfer
6. Understanding and applying innovative financing methods
Understanding and applying innovative financing methods

Toll Roads
Lottery Funding
Civic Crowdfunding
Municipal Green Bonds
Sales Tax
Congestion Charge
Voluntary Capture
Citizen Cooperatives

Communities Infrastructure Levy
Collaborating with other cities, research consortia and private companies
Citizen Cooperatives

Stamp Duty Land Tax (SDLT)
Grants from Private Foundations and Trusts
Voluntary Capture
Donations as Part of Consumer Purchases
Workplace Parking Levy

Emissions Trading
Sale of Land and Property
Planning Obligations and Developer Contributions
Workplace Parking Levy

Sales Tax
Selling Expertise and Technical Knowhow
Sale of Land and Property

Community Infrastructure Levy
Selling Expertise and Technical Knowhow

The CIVITAS Initiative is co-financed by the European Union
Challenges Local Authorities have to face „internally“

1. Sustainability Thinking
2. Institutional Cooperation
3. Systematic staff deployment and development
4. Effective project management and monitoring
5. Knowledge management / knowledge transfer
6. Understanding and applying innovative financing methods
7. Innovative Procurement
Mobility Planning Challenges

Challenges for the development of sustainable mobility measures
Challenges in the development of sustainable mobility measures

8. Understanding political interests and affecting political decisions
Challenges in the development of sustainable mobility measures

8. Understanding political interests and affecting political decisions
9. Understanding legal and regulatory framework
Challenges in the development of sustainable mobility measures

8. Understanding political interests and affecting political decisions
9. Understanding legal and regulatory framework
10. Citizen participation
Citizen participation in Dachau

Participation process in the development of a car-reduced residential quarter
Citizen participation in Dachau

General participation procedure for improving urban mobility
Mobility Planning Challenges

Challenges in the development of sustainable mobility measures

8. Understanding political interests and affecting political decisions
9. Understanding legal and regulatory framework
10. Citizen participation
11. Interaction and cooperation with business partners
Challenges in the development of sustainable mobility measures

8. Understanding political interests and affecting political decisions
9. Understanding legal and regulatory framework
10. Citizen participation
11. Interaction and cooperation with business partners
12. Estimating the feasibility and acceptance of measures
Challenges in the development of sustainable mobility measures

8. Understanding political interests and affecting political decisions
9. Understanding legal and regulatory framework
10. Citizen participation
11. Interaction and cooperation with business partners
12. Estimating the feasibility and acceptance of measures
13. Identification and utilization of synergy effects
Challenges in the development of sustainable mobility measures

8. Understanding political interests and affecting political decisions
9. Understanding legal and regulatory framework
10. Citizen participation
11. Interaction and cooperation with business partners
12. Estimating the feasibility and acceptance of measures
13. Identification and utilization of synergy effects
14. Use of innovative technologies and data collection methods
Mobility Planning Challenges

Challenges in the development of sustainable mobility measures

8. Understanding political interests and affecting political decisions
9. Understanding legal and regulatory framework
10. Citizen participation
11. Interaction and cooperation with business partners
12. Estimating the feasibility and acceptance of measures
13. Identification and utilization of synergy effects
14. Use of innovative technologies and data collection methods
15. Application of research knowledge and adaption of Good Practice examples
Validation of Challenges

Knowledge Interest

• General Importance of challenges
• Estimation how cities already cope with the Challenges
• Status on Training/Information Material available
Challenges Validation

Question 1

From your experience, please rate the general importance of the following challenges for cities when planning and implementing sustainable mobility measures!

*Linkert Scale: 1 = not important at all  5 = very important*
1. Importance of Challenges

![Bar chart showing mean values for various challenges]

- Institutional cooperation: 4.41
- Interaction and cooperation with business: 4.07
- Citizen participation: 4.32
- Use of innovative technologies and data: 3.98
- Application of research knowledge and Good Practice examples: 4.20
- Understanding political interests and affecting political decisions: 4.07
- Understanding and applying innovative financing methods: 3.84
- Innovative procurement: 3.45
- Understanding legal and regulatory framework: 4.20
- Systematic staff deployment and development: 4.05
- Sustainability thinking: 4.02
- Effective project management and monitoring: 4.23
- Knowledge management and transfer: 3.98
- Identification and utilization of synergy: 3.89

N=46

1 = not important at all  5 = very important
Challenges Validation

Question 2

How well you think, the city you indicated, cope with the individual challenges in their mobility planning activities? (Only if you have experiences with a concrete city or mobility planners)

*Linkert Scale: 1 = poor performance  5 = strong performance*
2. Opinion on how cities cope with the challenges

1 = poor performance      5 = strong performance

N=35
2. Opinion on how cities cope with the challenges

1 = poor performance    5 = strong performance
Challenges Validation

Question 3

Please rate from your experiences, to which extent there is knowledge and training material already available to address the individual challenges!

*Linkert Scale: 1 = there is very little  5 = there is a lot*
3. Materials available to address the Challenges

1 = there is very little  5 = there is a lot

N=46
Thank you!

Sebastian Spundflasch

Contact Details

Ilmenau University of Technology
Institute for Media Technology
sebastian.spundflasch@tu-ilmenau.de