WELCOME!



WEBINAR

How can public transport assist companies to develop mobility management measures?



Webinar Agenda

3 June 2020, 10-11:00 CET



How can public transport assist companies to develop mobility management measures?

| 10:00 | Introduction to LOW-CARB project Marlene Damerau (Rupprecht Consult) | |
|-------|---|--|
| 10:10 | Tools for workplace mobility management Robert Schillke, (MDV, Leipzig) | |
| 10:25 | Q&A Session | |
| 10:35 | Mobility management planning for companies in Szeged's North Area Dr. Zoltán Ádám Németh (SZKT, Szeged) | The same of the sa |
| 10:50 | Q&A Session | |
| 11:00 | Closing remarks | |









THE CO-ORDINATION TEAM



Moderator:

Marlene Damerau



Screen and Polls:

Saydrina Govender



Support and Questions:

Ana-Maria Baston









- Webinar
 3 June 2020
- LOW-CARB: Capacity building for integrated low-carbon mobility planning in functional urban areas



INTERREG CE PROJECT LOW-CARB: PROJECT INFORMATION & OBJECTIVES



LOW-CARB: Capacity building for integrated low-carbon mobility planning in functional urban areas

Programme Specific Objective:

To improve capacities for mobility planning in functional urban areas to lower CO₂ emissions

Project Main Objective:

LOW-CARB project aims to enhance capacities for integrated low-carbon mobility planning for functional urban areas in Central Europe.

Project Specific Objectives - with a focus on public transport:

- Integrated low-carbon mobility planning for functional urban areas
- Capacity building for integrated low-carbon mobility planning in FUAs
- Pilot actions for low carbon mobility in FUAs





LOW-CARB and mobility management

... for better accessibility of FUA's (e.g., new mobility services for **remote business areas**)

... reduce emissions from commuter flows

... involve companies

... PT perspective



MOBILITY MANAGEMENT IN LOW-CARB



... action plans with targeted measures for coordination, information, organization and advice

... collect, share, analyse and process commuters' travel data

... in line with **data-based** development scenarios

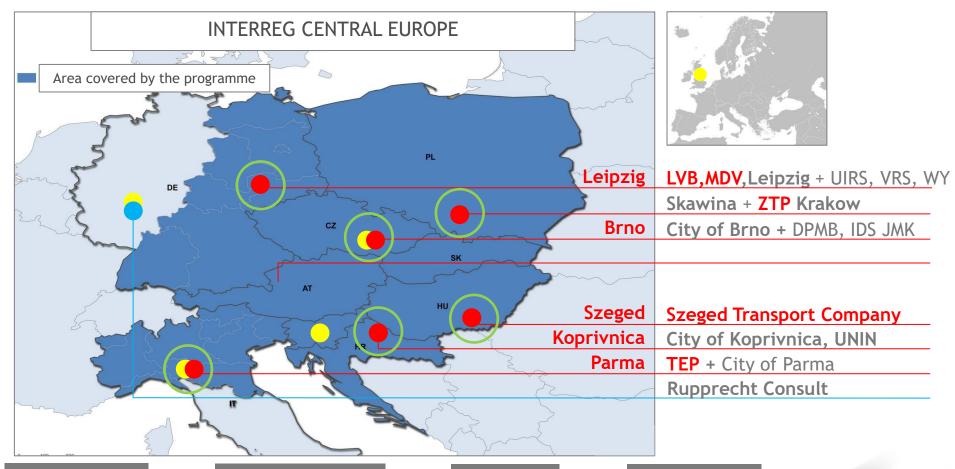
... multi-stakeholder processes led by **public** transport companies and associations

... for goal-oriented influencing of company employees' **behavior**



INTERREG CE PROJECT LOW-CARB: MAP OF PARTNERS





project partners

associated partners

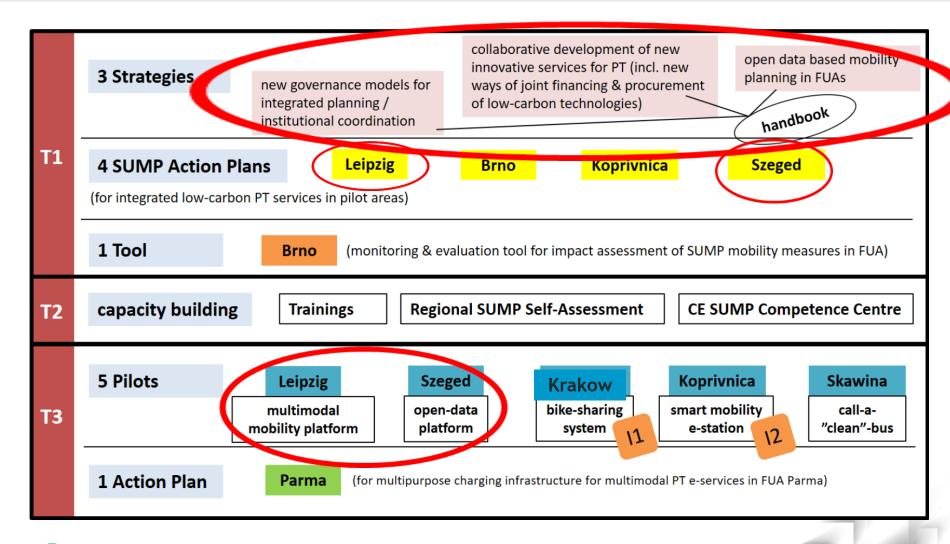
6 FUAs

6 CE countries

TAKING COOPERATION FORWARD

INTERREG CE PROJECT LOW-CARB: WORK PACKAGE STRUCTURE







LOW-CARB: OPEN DATA STRATEGIES IN LEIPZIG AND SZEGED



Sustainable urban mobility planning with open data

December 2019 @ Chaos Communication Congress,

Leipzig

Duration 2,5h

With interesting additional data sets PT Chatbot by OKLab Leipzig





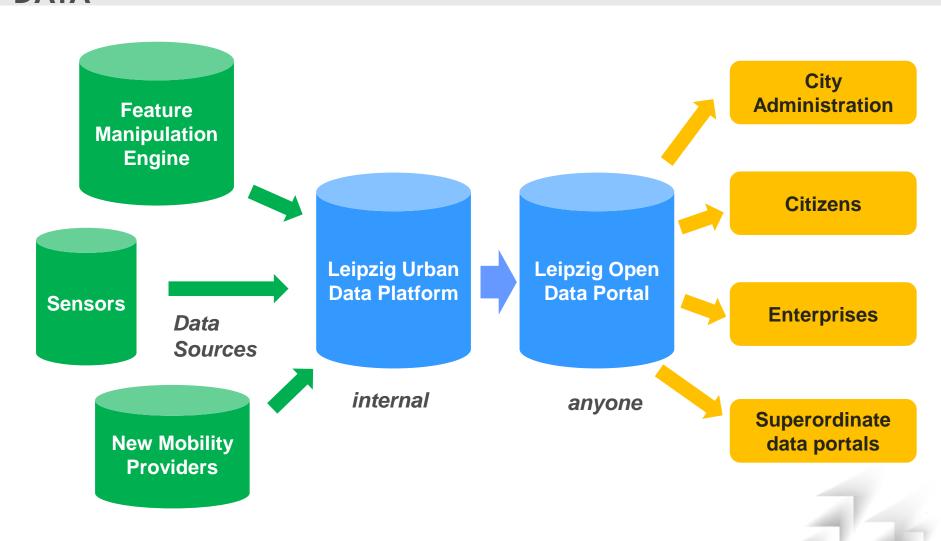
March 2019 Szeged Boost (2 days)





OPEN-DATA STRATEGY (1/2) THE "LEIPZIG WAY" TO OPEN TRANSPORT DATA









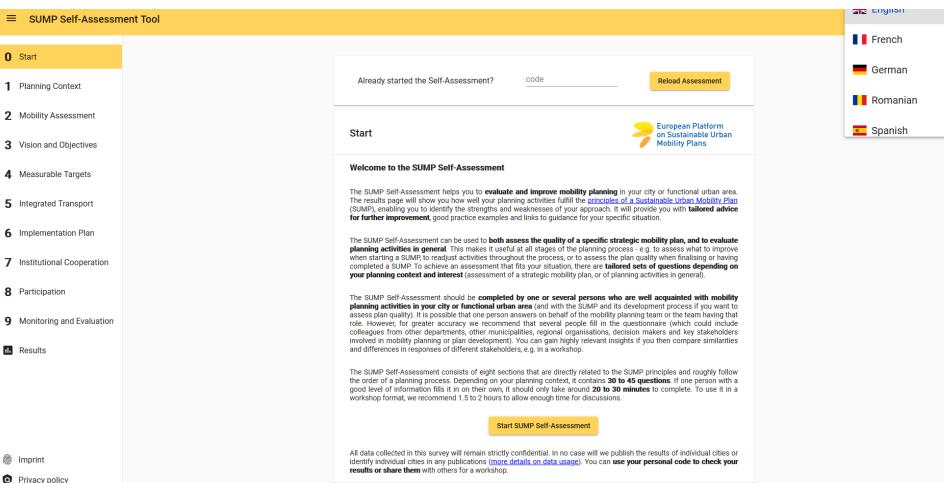








https://www.sump-assessment.eu/start





LOW-CARB OUTPUT: CENTRAL EUROPE SUMP COMPETENCE CENTER



Competence Centre Monitoring, CE-SUMP Best practice news Transport modes Policy measures evaluation, tools and EN ^ **Documents** resources LOW-CARB HR DE **TRANSPORT** SVK SLO The expansion, modernization and harmonization of infrastructure across the EU are fundamental to creating cross-border networks without obstacles to different types of travel and transport. Find out more



PILOTS AND ACTION PLANS

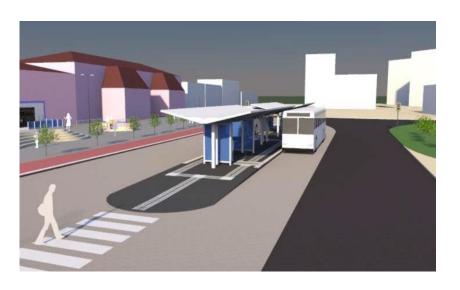


Koprivnica:

 Development of a smart multimodal PT station with RES energy integration (charging e-bus and e-bikes)



 Development of a multimodal charging spot for the FUA (shared e-cars and ebuses)





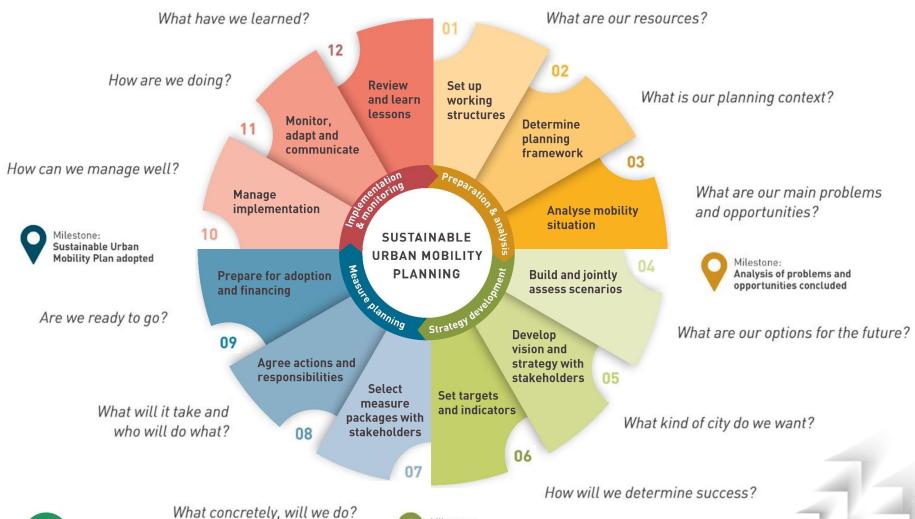


THE SUMP CYCLE, SECOND EDITION

















Thank you for your attention!

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Robert Schilke

Mitteldeutscher Verkehrsbund (MDV)

Tools for workplace mobility management





- Webinar, 03.06.2020: How can public transport assist companies with mobility management?
- Tools for workplace mobility management
- Robert Schillke (MDV)

AGENDA



Background
Why we involved companies?

Process
How we involved companies?

Actions
What we offered companies?

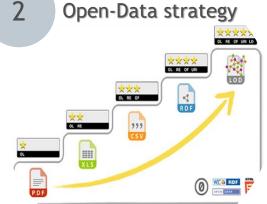
Lessons learned What have we learned?

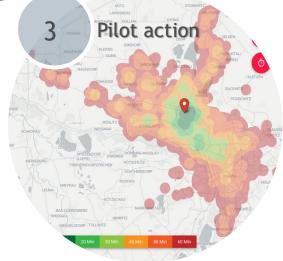


PROJECT RESULTS LEIPZIG PARTNERS











BACKGROUND

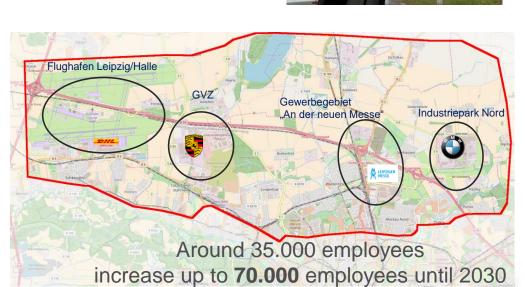


Challenges

- Flexible shift times in companies
- Traffic capacity bottleneck during peak hours
- Low demand in off-peak hours
- Problem of the "last mile"
- Traffic connections with change-overs and long times









GENERAL GOALS



Masterplan with actions dealing with



High share of eco-friendly modes of transport



Fullfillment of employees mobility needs



CO₂-reduction



Prevention of gridlock

Realisation step-by-step after finishing LOW-CARB-project:



AGENDA



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Lessons learned What have we learned?



TEAM



Leipziger Christian Jummrich Carsten Schuldt





Robert Schillke



Tilman Schenk









Transport Planer

- PT- transport offers
- Customer consultation

Data specialist

- Digital tools "Reachie" and Data analysis
- Cycling Infrastructure

Mobility Manager

- Contact for city administrations
- Contact for companies

Stakeholder Manager

- Governancestrategy
- Infrastructure concepts



PROCESS

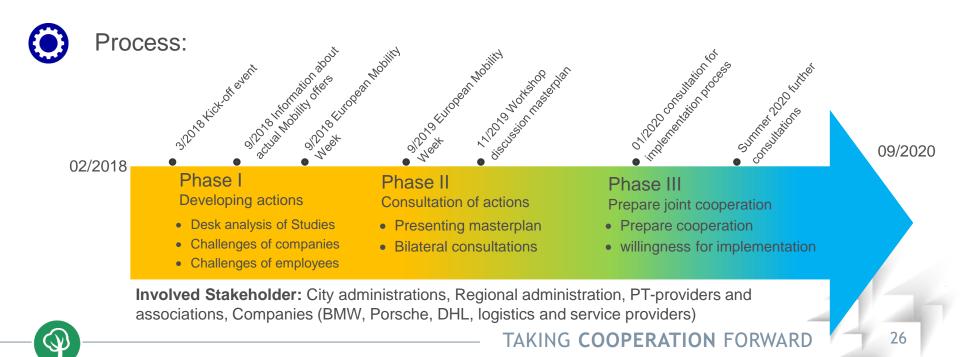


Companies are the main traget group in the Northern industrial area of Leipzig



Goals:

- Involve companies in the whole process from begining
- Increase interest in actions
- Prepare direct participation of companies in later implementation



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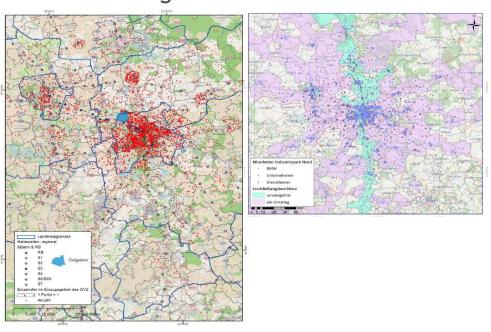


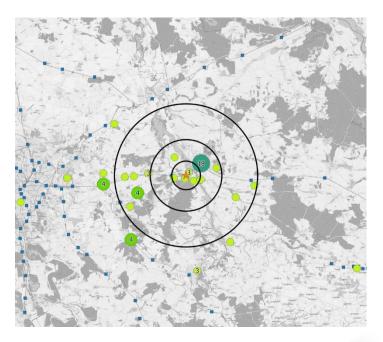
ANALYSIS



Analysis of residential locations of employees for:

- Commuting distances
- Mobility offers (PT, B&R etc.)
- Interchanges in PT





Existing studies of data and interviews with companies

Own Analysis based of companies data

→ GDPR was an issue



EXAMPLE EMW 2018



- 01.08.2018: Workshop with companies on:
 - PT offer in the "Nordraum"
 - Their needs on mobility
 - EMW action 2018
- 5 on-site information events during EMW
- Mobility-Consulting of 280 employees
- 420 free tickets (4 trips) for public transport sponsored by ZVNL (local train authority)
- Info-Materials for further marketing activities

























EMW 2018 – HIGHLIGHT PT







Competition



Information



On-site information



PILOT ACTION: INFORM & ATTRACT



- Disrupt established mobility habits on changing moments in life:
 - Move
 - Job change
 - ...
- Provide Information
 - On time
 - On site
 - Easy and beautiful





Amtec Photos











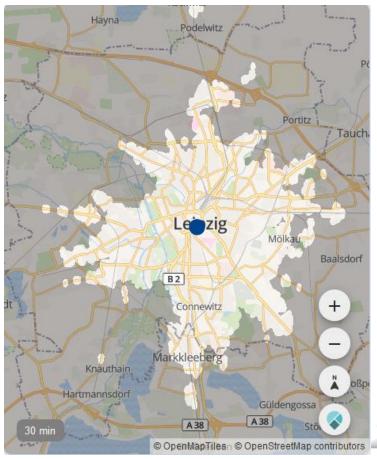
ACCESSIBILITY MAP: "REACHIE"



- Travel range by time budget across different travel modes
- Cross-platform (mobile)
- Multi- & Intermodal
 - Pedestrian
 - Bike
 - PT + pedestrian
 - PT + bike
 - Car
- Itinerary
- CO2-calculator
- Coloured mode



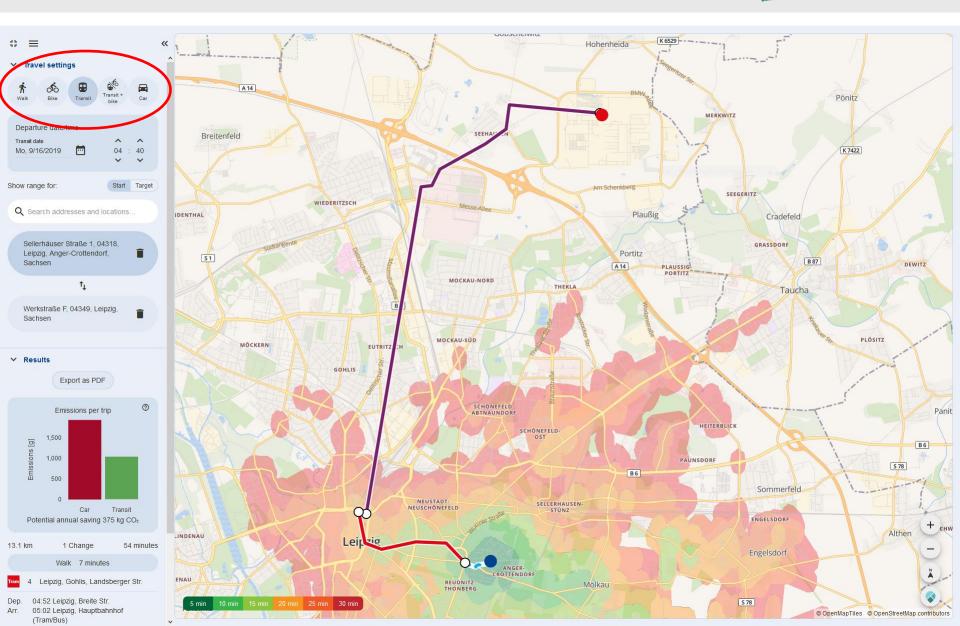
www.mdv.de/reachie





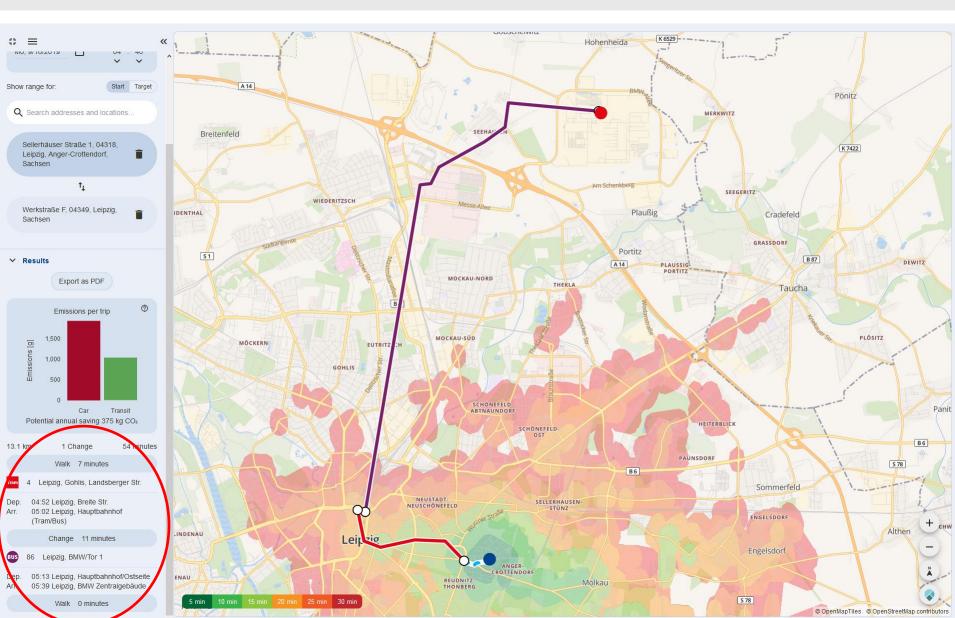
"REACHIE": YOUR JOURNEY TO WORK





"REACHIE": YOUR JOURNEY TO WORK





AGENDA



Background
Why we involved companies?

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LESSONS LEARNED



General aspects



- Understand specific needs as a key
- Tools and concrete offers help to build up contact
- Groupmeeting with all interested companies at one place supports joint understanding
- Use events to also involve the employees
- Except that you can not fullfill all wishes
- "Cooperation of the willing"

Consultation



- Need for action and willingness of change
- Mobility of employees as location factor
- Raise economical impacts of car traffic for companies

In consultation:

- Travel by PT or bike to meeting
- Clear communication of your goals and scope
- → no wrong expactations
- Know the persons and your supporter

Marketing



- Raise awareness of existing offers
- Design marketing for needs of your target group
- Use events (e.g. EMW) for contact to employees
- Announce your events
- Offer something (Prices, tools etc.)
- Continues communication of change



THANKS FOR YOUR ATTENTION





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Ádám Németh, SKZT (LOW-CARB)

Mobility management planning for companies in Szeged's North Area





- Webinar, 03.06.2020: How can public transport assist companies with mobility management?
- Mobility management planning for companies in Szeged's North Area
- Dr. Zoltán Ádám Németh Szeged Transport Company chief of public transport and railway safety



1. Challenges in Szeged's North area from SZKT perspective

2. Action plan - preparation and stakeholder involvement

3. Analysis of workplace mobility situation

4. Action plan - resulting Public Transport Measures

5. Lessons learned





1. Challenges in Szeged's North Area from SZKT perspective



CHALLENGES IN SZEGED'S NORTH AREA FROM SZKT PERSPECTIVE



Importance of mobility management measures in the area:

- dynamically developing field
- number of companies increase (e.g. Pick, ca. 3000-4000 employees)
- less public transport service (just bus)
- neglected bicycle network

Challenges:

- different type of companies: supermarkets, manufacturing companies, smaller employers, research institute
- car prefered infrastructure





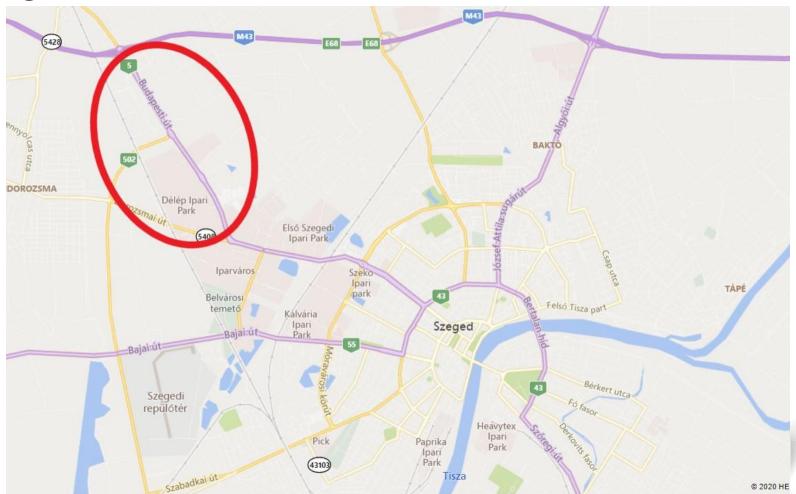
2. Preparation and stakeholder involvement



PREPARATION AND STAKEHOLDER INVOLVEMENT



Szeged Functional Urban Area





PREPARATION AND STAKEHOLDER INVOLVEMENT



Szeged Functional Urban Area





PREPARATION AND STAKEHOLDER INVOLVEMENT



Preparation: in cooperation with a transport developing expert company, in accordance with Szeged SUMP

- field assessment
- 2. company classification
- 3. first contact with the relevant employers
- mobilty event: general information about the project, objectives, expected results
- 5. nominate company mobility managers

Stakeholders:

companies in the area, municipality, university





3. Analysis of workplace mobility situation





SURVEY WITH QUESTIONNAIRES:

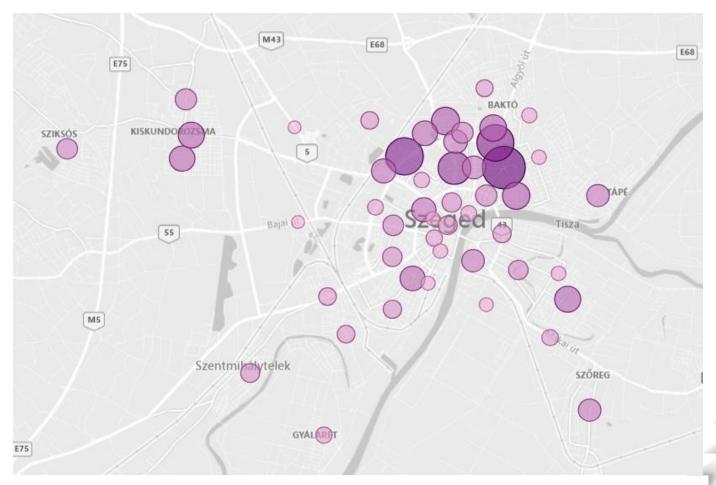
- paper based and online
- target groups: employees and employers
- 23 companies, 3007 employees in the FUA/area
- 1106 completed employee questionnaires
- actual and desired future means of transport
- companies interested in the final results of the survey
- strong trust in the development of public transport and cycling
- different levels of cooperation → many of them do not trust in some projects
- we do not know the top managers' strategic view



ACTION PLAN FOR COMPANY MOBILITY MANAGEMENT



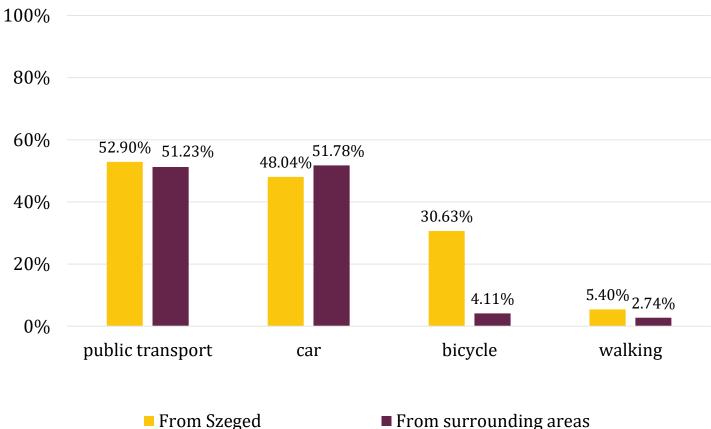
Place of departure of responders living in Szeged, by district







How Szeged and non-Szeged responders use means of transport to travel to work

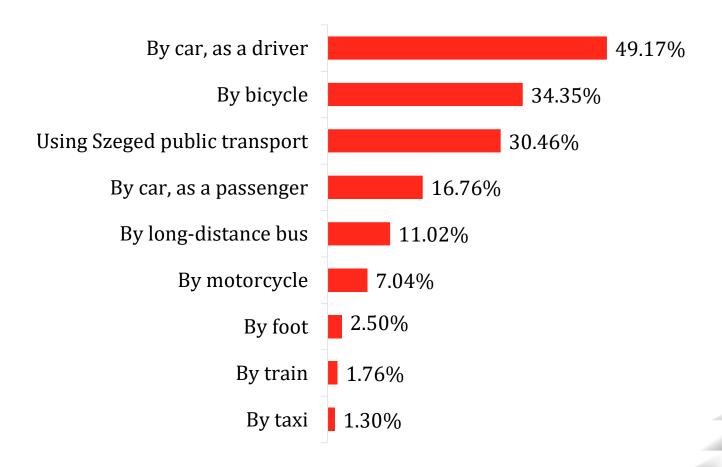




■ From surrounding areas



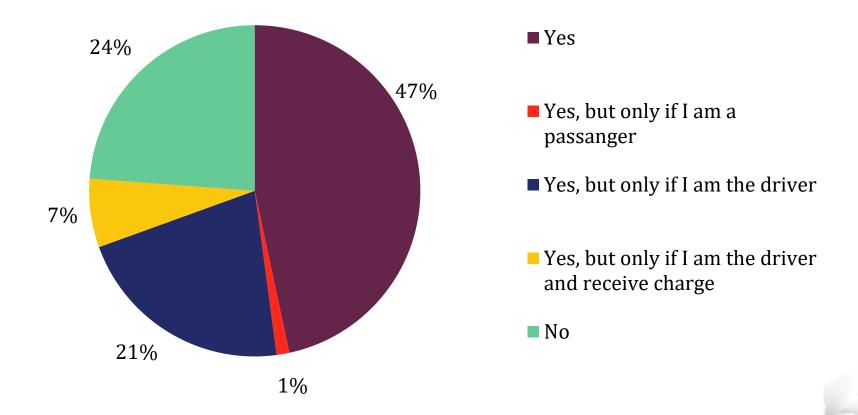
Desired future means of transport







Willingness for car-sharing







- 1106 completed employee questionnaires: 67% from Szeged, 33% from surrounding areas
- respondents 53% physical worker, 47% intellectual worker
- 386 employee travel <u>only</u> with public transport: 61% from Szeged, 39% from surrounding areas
- 70% of physical worker using public transport
- 84% of physical worker from Szeged surrounding areas using public transport
- 61% of physical worker from Szeged using public transport

- 30% of intellectual worker using public transport
- 16% of intellectual worker from Szeged surrounding areas using public transport
- 38% of intellectual worker from Szeged using public transport





MAIN GOALS AND MEASURES

- Develop public transport and cycle paths network based on the findings of the survey
- Harmonize with Szeged SUMP renewable and CO2 reduced energy source
- Sustainability and environmental awareness



WI-FI BASED PASSENGER COUNTING SYSTEM



Wi-Fi based passenger counting system

- In relation with Low-Carb project
- Counting based on MAC ID
- Ensure a wide range of options for improved planning, optimisation and evaluation of the entire traffic network.

Other counting options:

- Manual passenger counting: not generalizable, shows only the current situation
- Check in check out system: expensive infrastructure
- Cameras: resource requirements, GDPR



WI-FI BASED PASSENGER COUNTING SYSTEM



Wi-Fi based passenger counting system

How can you use the data?

- real time data real time public transport planning
- efficiency
- making forecasts
- combine with other counting options (camera in stops)





4. Action Plan - resulting public transport Measures



ACTION PLAN - RESULTING PUBLIC TRANSPORT MEASURES



Action plan for Szeged's North Area

 60 measures in 10 groups: city level, public transport, cycling, road connections, car-sharing, green measures

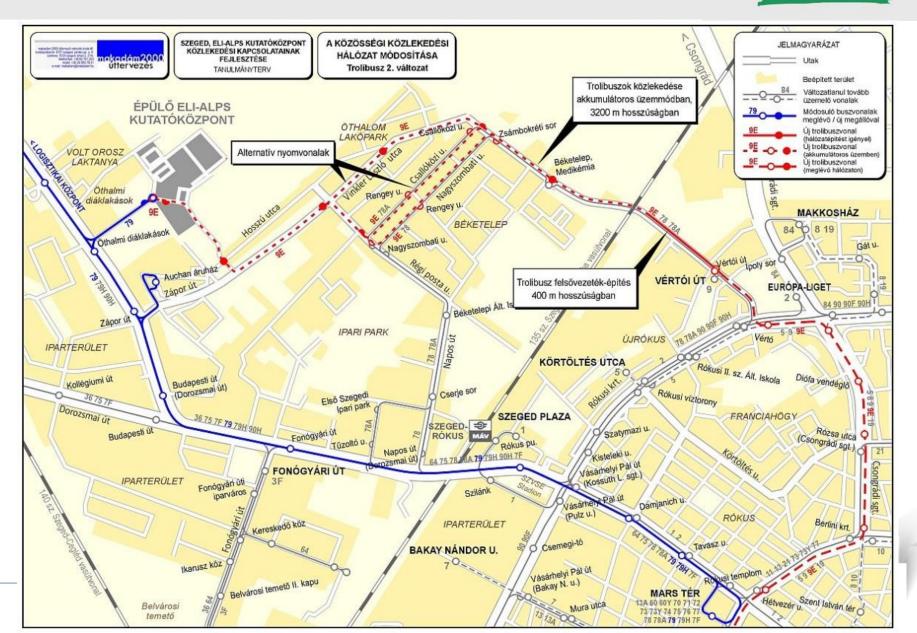
Priority actions:

- schedule harmonization/synchronization
- building bike paths
- new bicycle storages
- trolleybus network development
- new stop
- ticket vending machine installation
- developing passenger information system

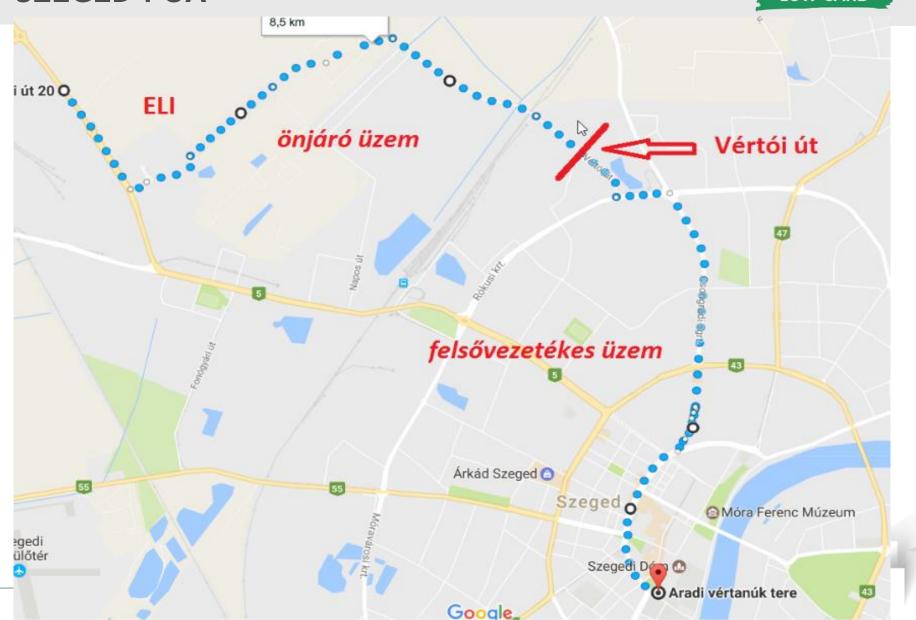




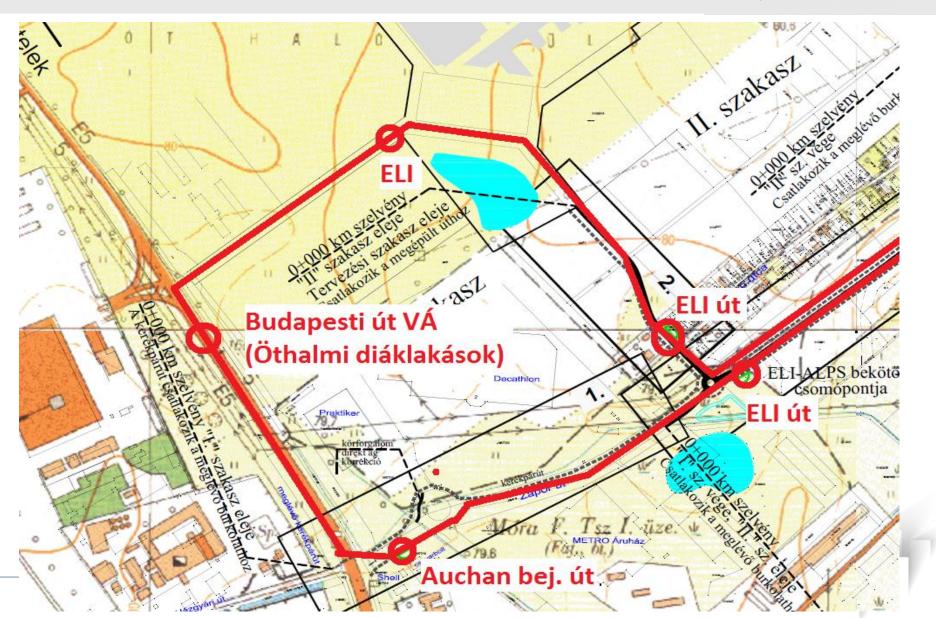
LOW-CARB













- battery hybrid trolleybuses
- in-motion charging
- new trolleybus line between the city centre and the industrial area
- direct connection with the most frequent areas (Rókus, Makkosház)
- half of the route without wire
- electric infrastructure development is necessary
- most environmentally friendly solution





5. Lessons learned



LESSONS LEARNED



- special area special approach required for PT planning
- taking into account the diversity of companies
- close cooperation
- repeat the survey to assess current situation
- bigger accent on cycling
- important to coordinate with long distance bus lines
- develop passenger information system in the area





Thank you for your attention!





Closing Remarks

- Follow-up email will include a link to download the slides
- Please complete our feedback survey (< 2 mins)
 at the end of this webinar or in the follow up email later today

