

VASAB Summer School
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Splashing

Benefits of Rail Baltica:

Connecting Rural Areas of the Baltic States to the European Rail Network

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RAIL BALTICA

Rail Baltica is a project that will integrate the Baltic States in the European rail network.

It will connect **Helsinki, Tallinn, Pärnu, Riga, Panevežys, Kaunas, Vilnius, Warsaw.**

It is going to be finished by **2026.**



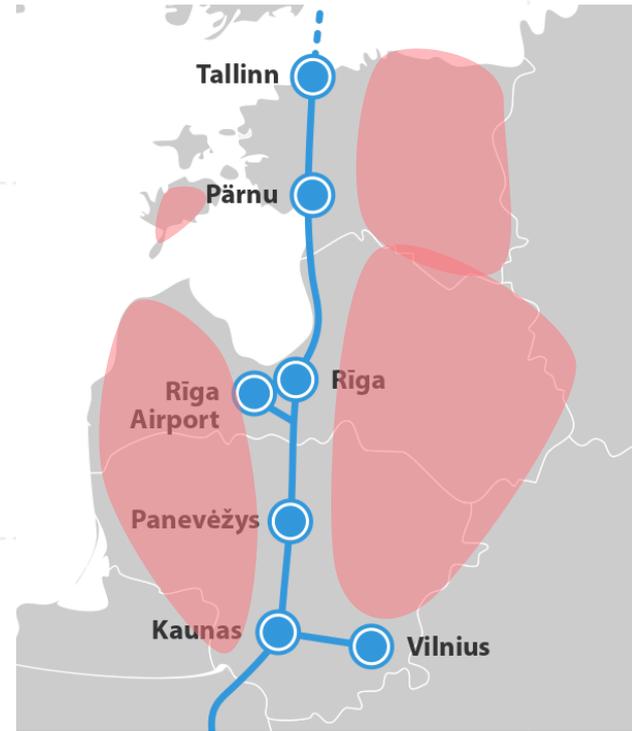
WHAT'S THE PROBLEM?

ACCESSIBILITY

There are **more than 2 million people** for whom Rail Baltica is not easily accessible



There are **2 million people who do not benefit from Rail Baltica**



WHAT'S THE PROBLEM?

SUSTAINABILITY

Mobility habits of inhabitants show lack of sustainable mobility

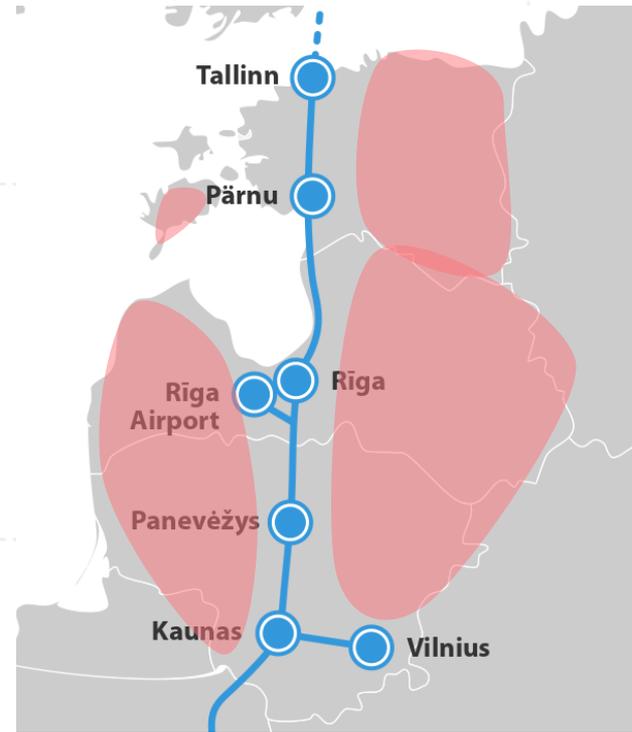


Passengers by Car

In Estonia: 79.5%

In Latvia: 82.8%

In Lithuania: 89.9%



Source: EU Commission (2019): Transport in the European Union Current Trends and Issues. P.50, 89, 94 // Data Source: EU Transport in figures, Statistical Pocketbook 2018)

METHODOLOGY

STEP 2

Understanding their needs

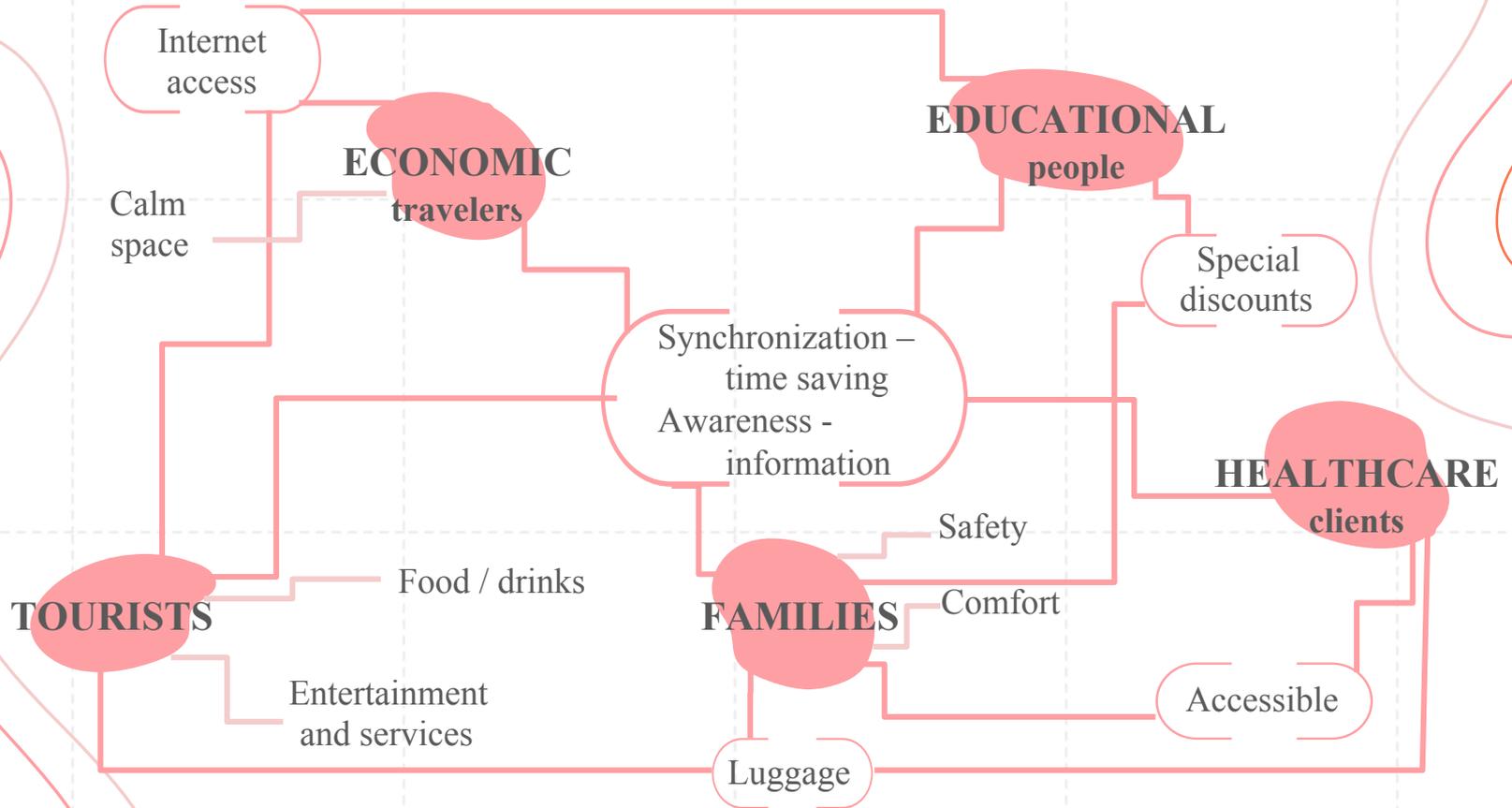


STEP 1

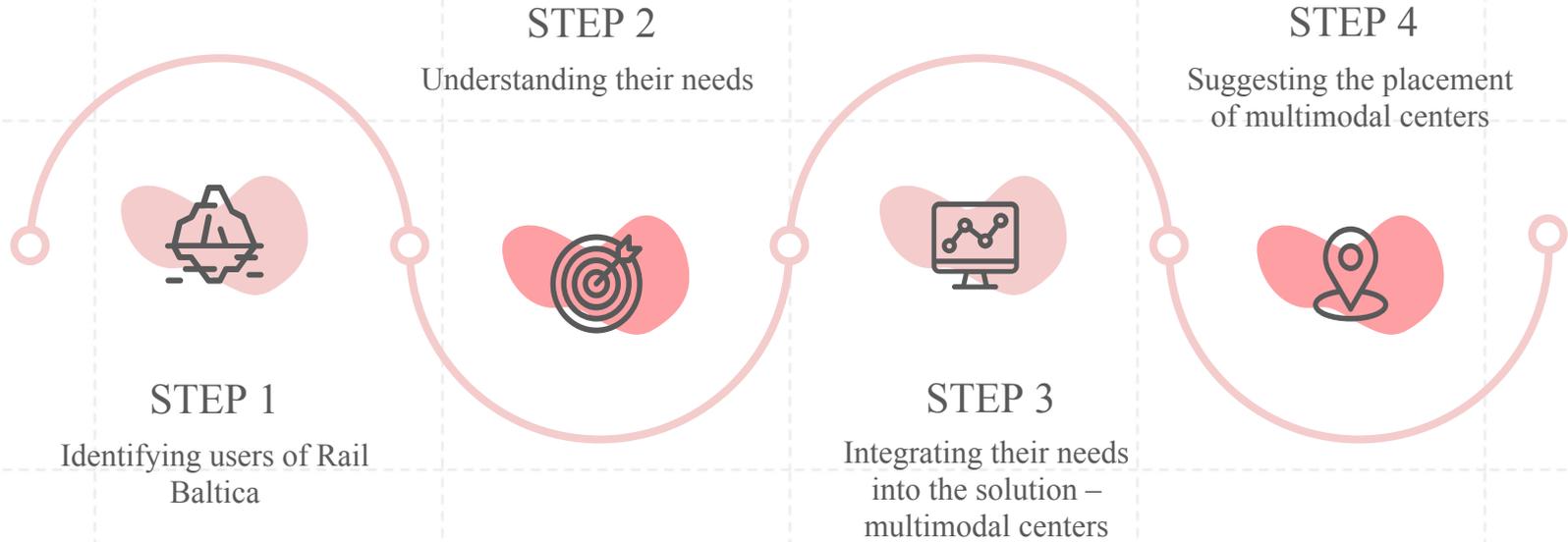
Identifying users of Rail
Baltica



NEEDS OF USERS OF RAIL BAILTICA



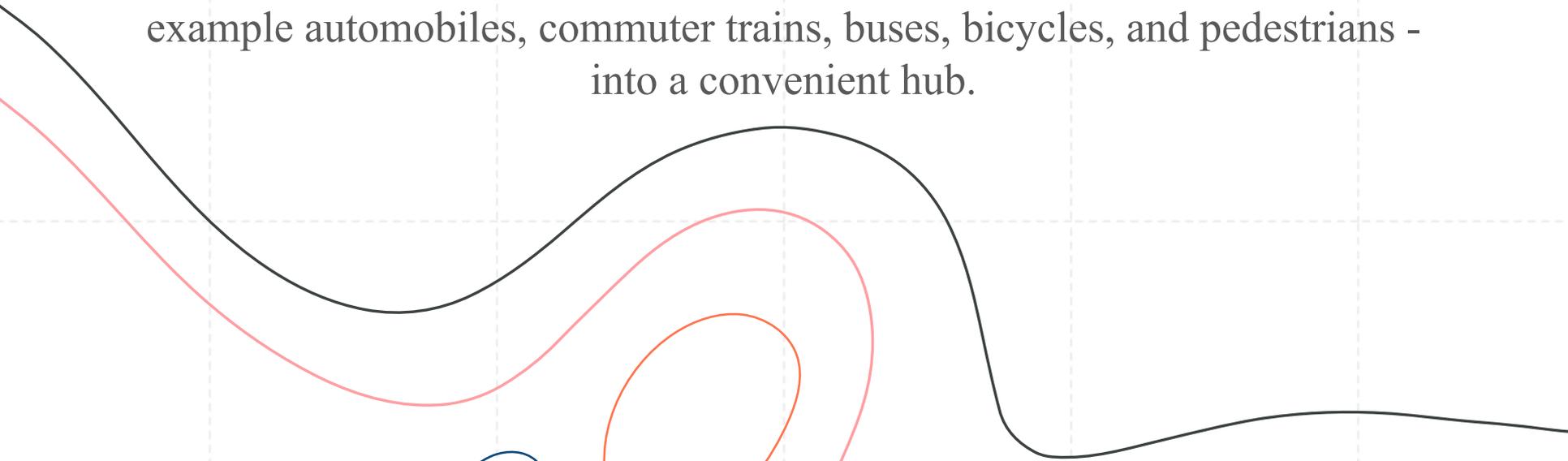
METHODOLOGY



SOLUTION: MULTIMODAL CENTERS

A multimodal center provides users with **alternative transport systems** with **easy access** in the most effective and sustainable way.

Multimodal centers join **different modes of transportation** - for example automobiles, commuter trains, buses, bicycles, and pedestrians - into a convenient hub.



FUNCTIONS OF A MULTIMODAL CENTER

E-buses / trains



Shared office space

Synchronized timetable



Small shops

Digitalisation: one app for
everything



Park & Ride; Bike & Ride

Ride pooling → Discount



Charging stations

REQUIREMENTS FOR BUSES / TRAINS

that connect multimodal centers with Rail Baltica

ELECTRIC BUS / TRAIN WITH...

Internet access

Information screens

Space: for strollers, for bicycles, for mobility aids, for luggage

Calm area for working or calls

“Pink buses”

SUGGESTED PLACEMENT

First draft of possible placement of
multimodal centers of the Baltic States



STAKEHOLDERS



Local authorities and political institutions



Local communities, inhabitants of towns of MMC's



Local businesses

Transport companies



Ferry companies Rail companies
Bus companies Carsharing companies
Bikesharing companies etc.

The users

Architects, spatial planners, project managers, designers



Regional universities and research institutes

BARRIERS

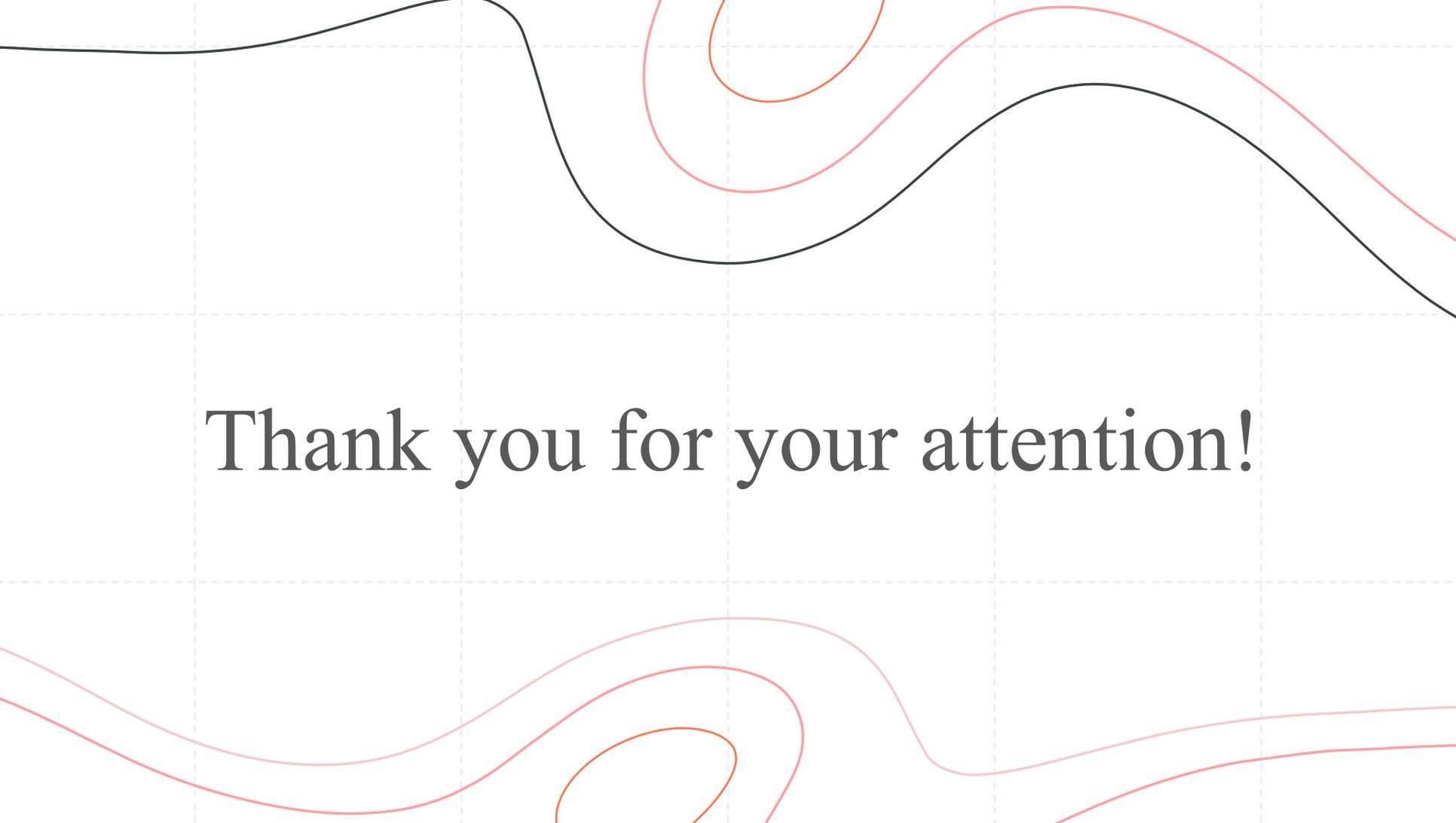
- Financing, e.g. the need for additional investment and higher service costs
- Regulations, e.g. heterogeneous policies
- Mobility behaviour
- Compromising on opinions, perspectives
- Bad location / planning

OPEN QUESTIONS

- Electromobility market?
- Financing and organisation?
- Feasibility of MMC positions

DRIVERS

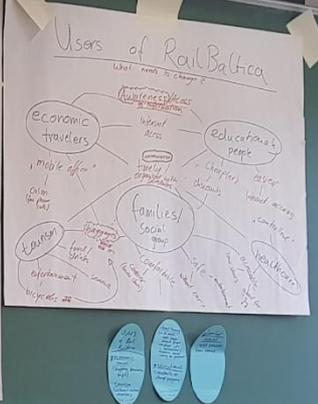
- Green Deal
- Regional development with politics and willingness
- Education of sustainable mobility modes and pushing good experiences
- Getting awareness and support from media, citizens, NGOs etc.
- Developing long-term mobility planning tools
- Improving legal framework

The background features a light gray dashed grid. A solid black wavy line starts at the top left, dips down, and then rises to a peak before dipping again. A solid red wavy line starts at the top right, dips down, and then rises to a peak before dipping again. There are also some faint, overlapping red and orange wavy lines in the lower half of the image.

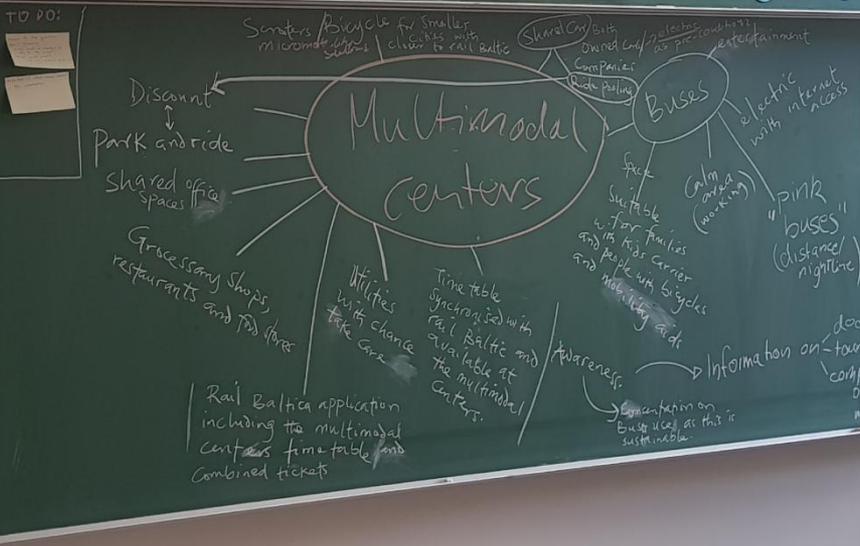
Thank you for your attention!

- ### STAKEHOLDERS
- Inhabitants of towns of MMC
 - Univ. research institutes (regional)

Handwritten notes and diagrams on a whiteboard, including a central blue oval labeled "The Users", a flowchart, and several sticky notes.



- Rail Baltica
- Local communities in multi-modal centres.
- The travelers
 - Transport Companies
 - Bus Companies
 - Rail Companies
 - Car sharing and taxi/Carp
- Spatial planners and project managers in municipalities, architects, designers
- local businesses providing services at multimodal centres
 - e.g. Cafes, retail shops, restaurants
- The state
 - The 3 state transport ministries
 - Transport authorities
 - Regional and local authorities
- The BSR.



- ### Open questions
- e-car availability?
 - regulations?
 - financing?
 - preparation?

Multimodal Centers

Scoters Bicycle for smaller micromobility solutions | closer to rail Baltic

Shared Car Both Owned Cars Companies Ride Pooling

electric as pre-condition? entertainment

electric with internet access

Space Suitable w. for families and people with bicycles and mobility aids

"pink buses" (distance nightline)

Reputation

Cultural space

Time table Synchronised with rail Baltic and available at the multimodal centers.

Utilities with chance take care

Awareness

Concentration on Bus use, as this is sustainable.

Information on - doctors nearby - tourism maps - comparison travel options - pushing multimodality

open questions

- e-car availability?
- regulations?
- Data Protection?
- financing?
- organisation?
- connection to other

Terms

Discount

Park and ride

Shared office spaces

Grocery shops, restaurants and food stores

Rail Baltica application including the multimodal centers time table and combined tickets

STAKEHOLDERS

- Inhabitants of towns of MMC
- Uni's, research institutes (regional)

- Rail Baltica
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- Spatial planners and project managers (in municipalities, architects, designers)
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Users of Rail Baltica

What needs to change?

