

All aboard? A journey to inclusivity in Odsherred's public transport

Frauke Van Kerckhove, Bas Ponnet, Tom Verheyden en Helena Van Parys



RUC
Roskilde Universitet



UNIVERSITY OF
COPENHAGEN


UNIVERSITEIT
GENT

Integrated International Projectwork
MSc Geography & Geomatics
Odsherred/Roskilde (DK) – 11 to 19 May 2024

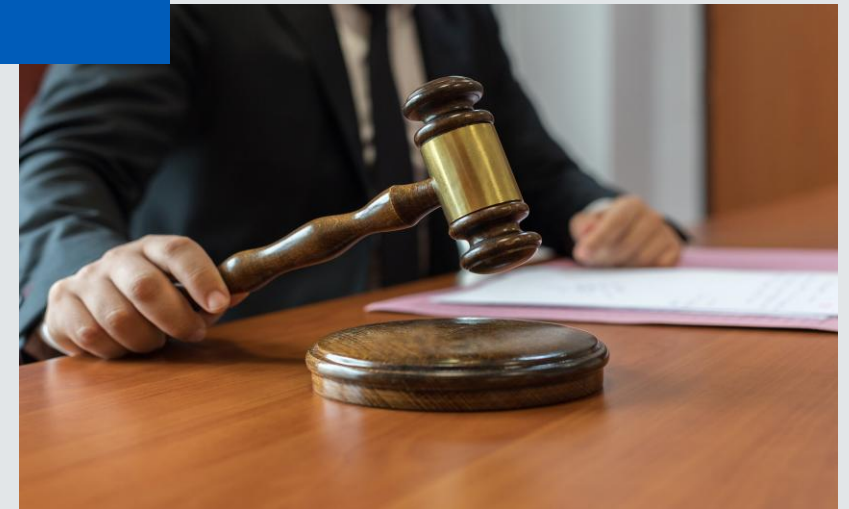
Context



Situation
in Belgium



Taking part
of society

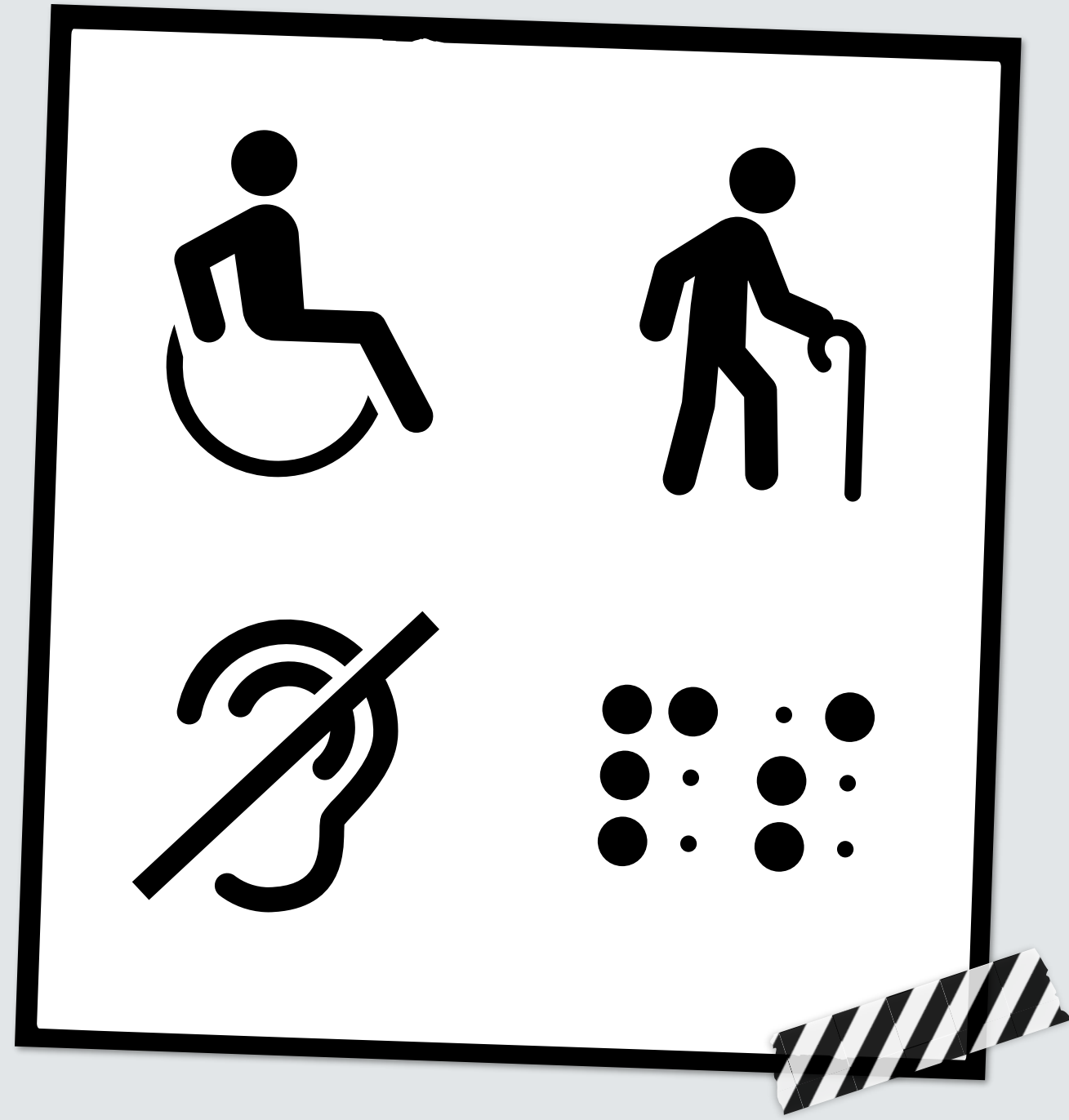


Rights protected by law

Research questions

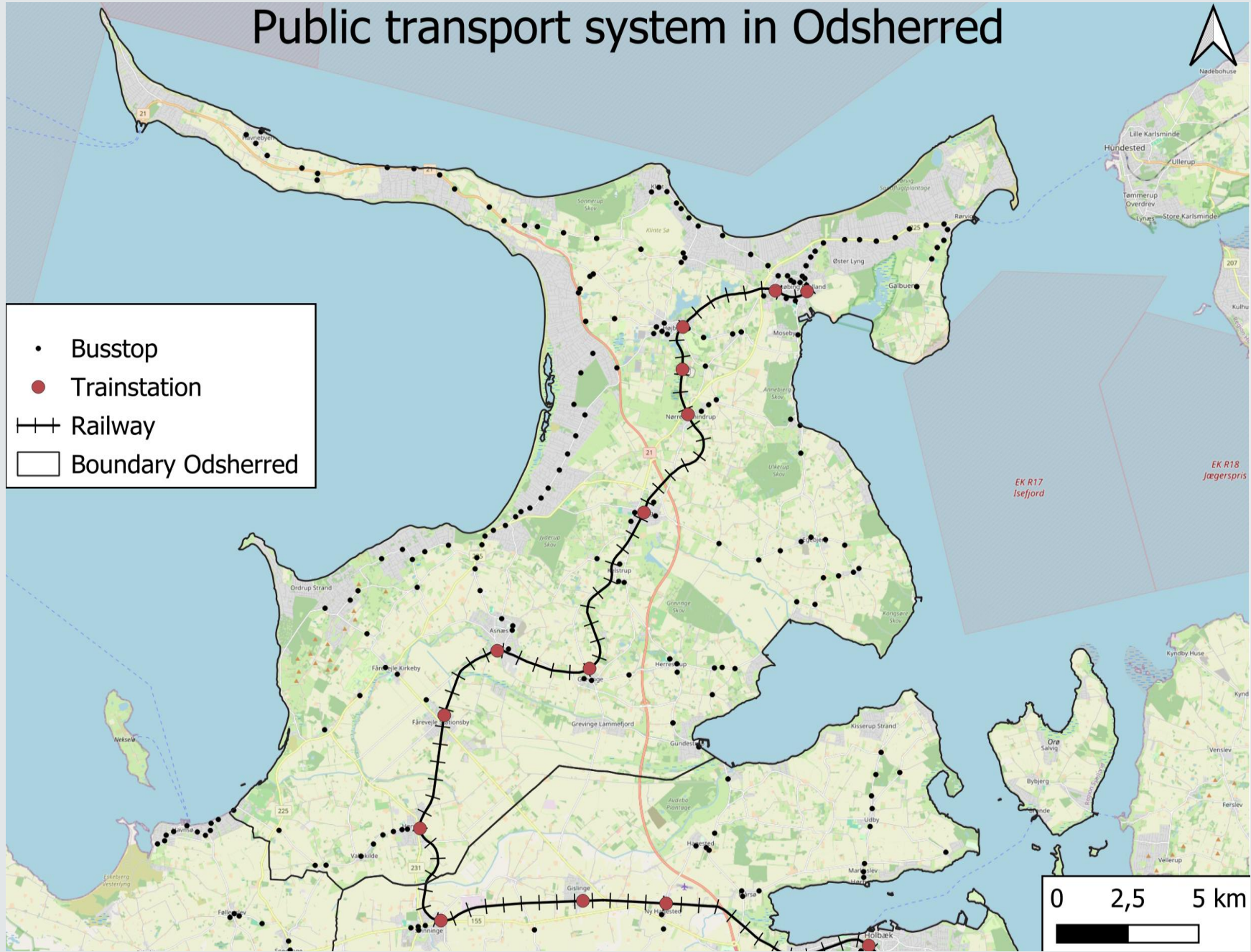
How inclusive is the public transport system in Odsherred for people with physical disabilities?

- + What are the current frustrations/difficulties?
- + What are the efforts made by companies?
- + What can be future improvements?



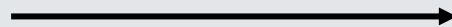
Public transport system in Odsherred

- Busstop
- Trainstation
- ⚡ Railway
- Boundary Odsherred

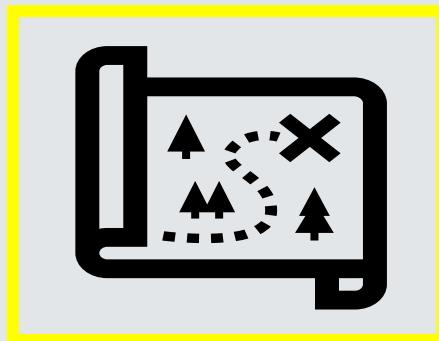
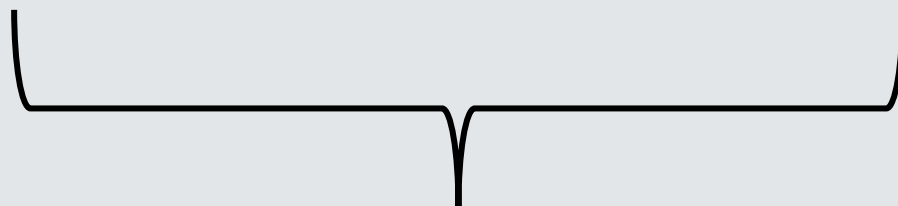
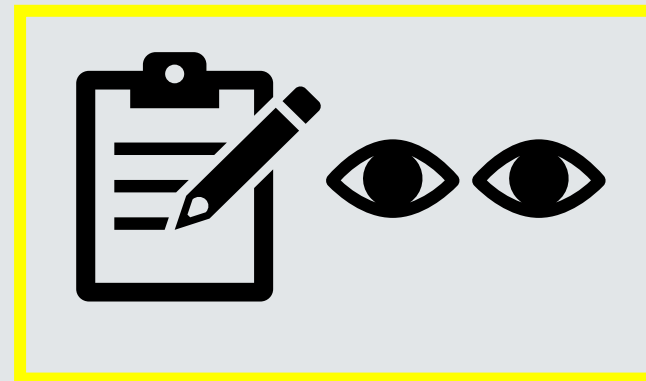


Method

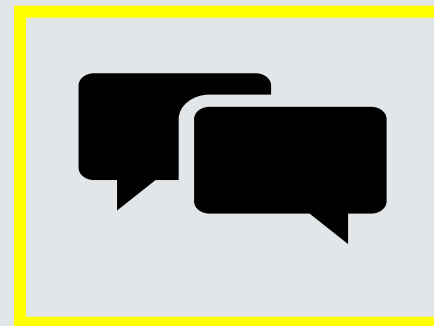
DESKTOP



FIELDWORK



Facility map



Interviews



DESKTOP



Based on literature checklist with 31 points that a trainstation should have to be accessible
e.g. hills, working screens



Going to bus stops in Google Street view
Reviewing them based on present facilities:
giving a score 1-5





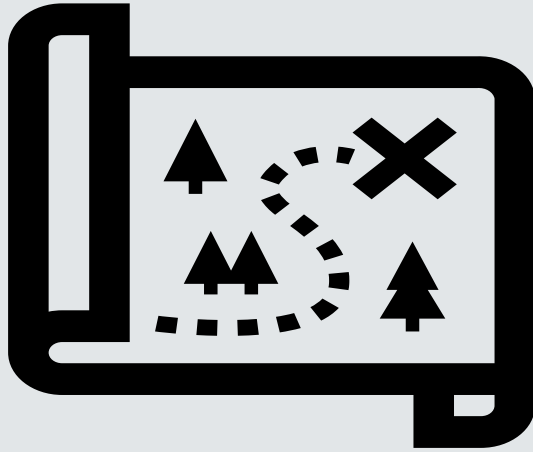
Going to all train stations to fill in the checklist



Taking the bus and train to observe all the services and facilities present



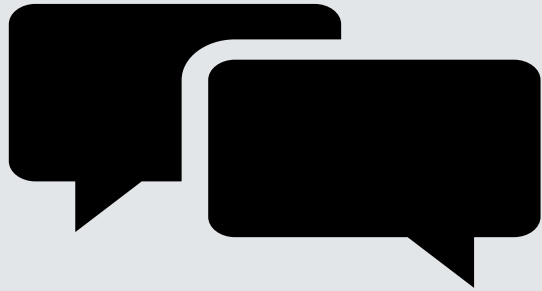
Facility map



- Checklist: facilities are (not) present => score 0 or 1 for each factor for every train station
- Sum of all the scores for each station => color of points
- 31 facilities divided into 7 groups that are shown on the maps with pictograms around each train station



Interviews



- Do you use public transport?
- Why do / don't you use public transport?
- What are good / bad points public transport?

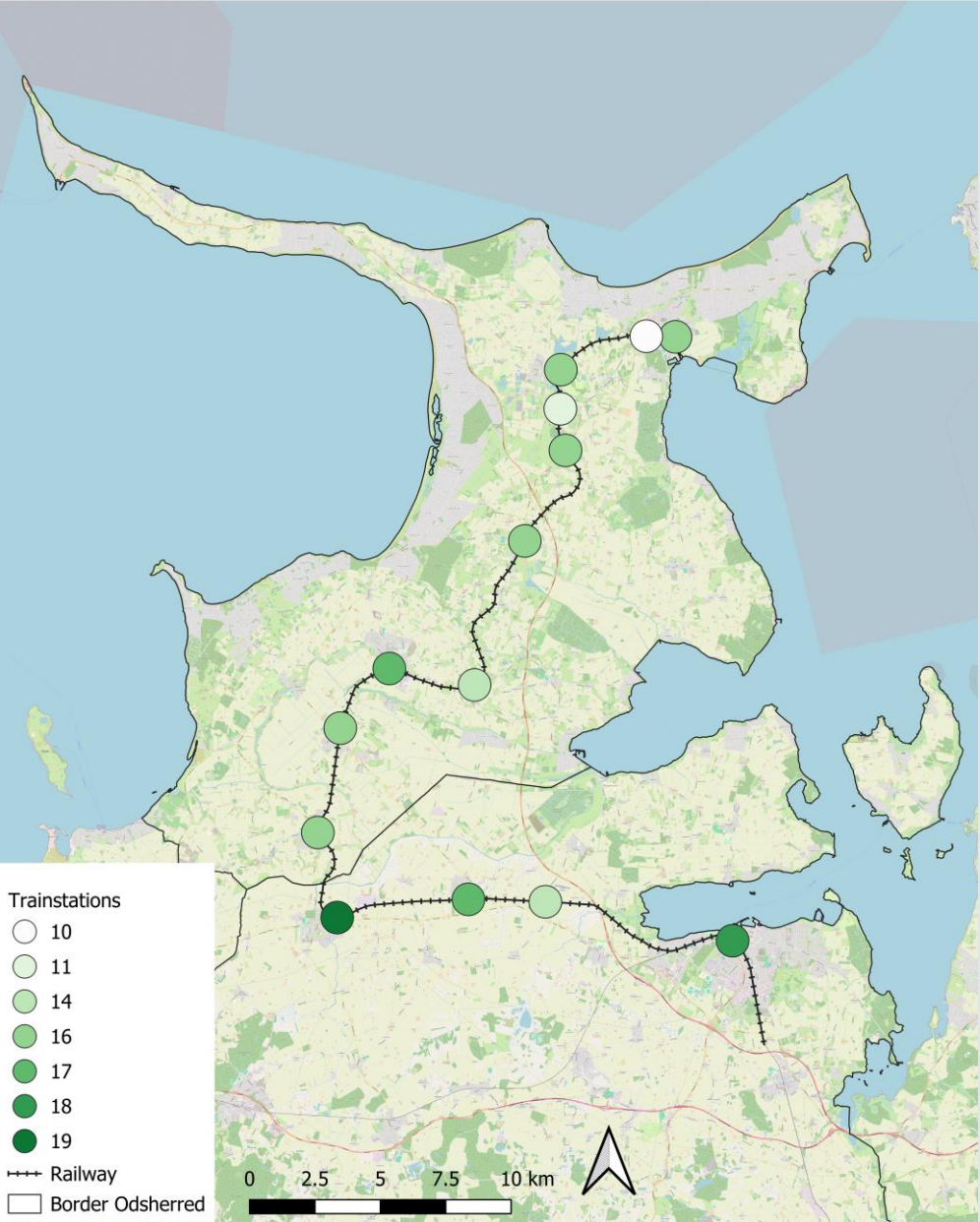


***Evaluation and
observation of the train
and bus***



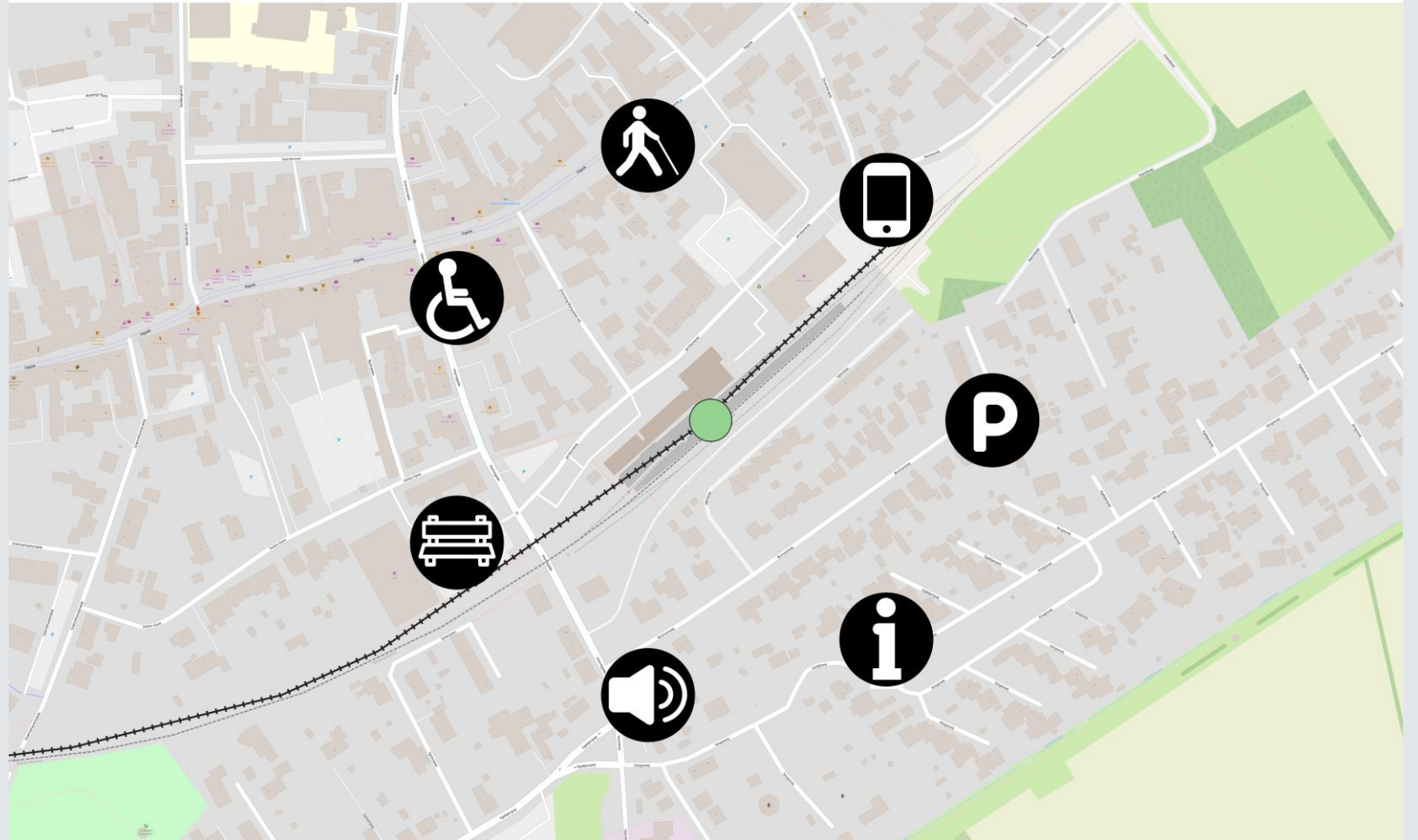
Trainstations

Train station index map



Trainstations

Facility map



Observations



Observations



Busstops

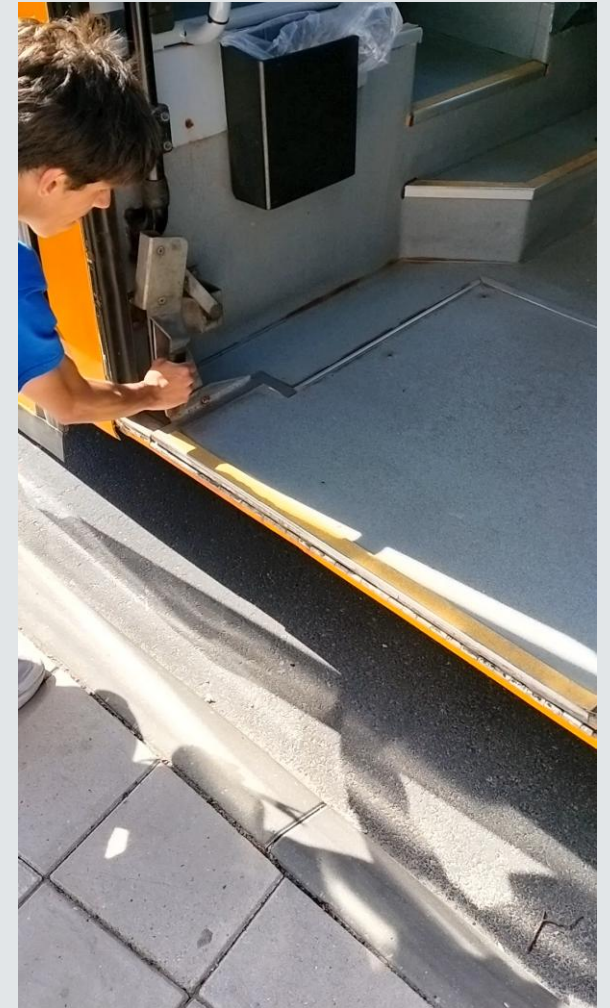
Bus stops



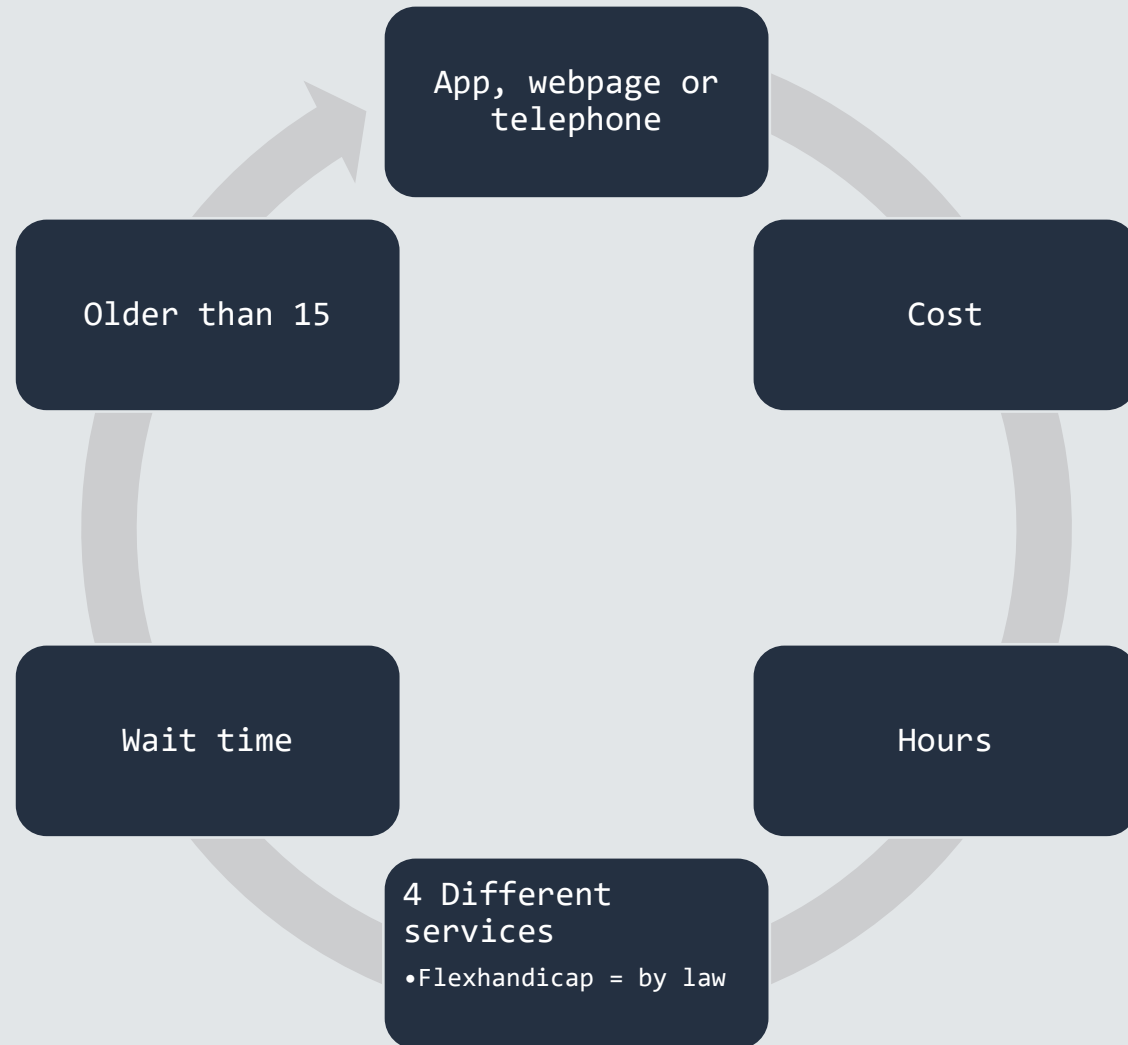
Observations



Observations



Results: Flextrafik



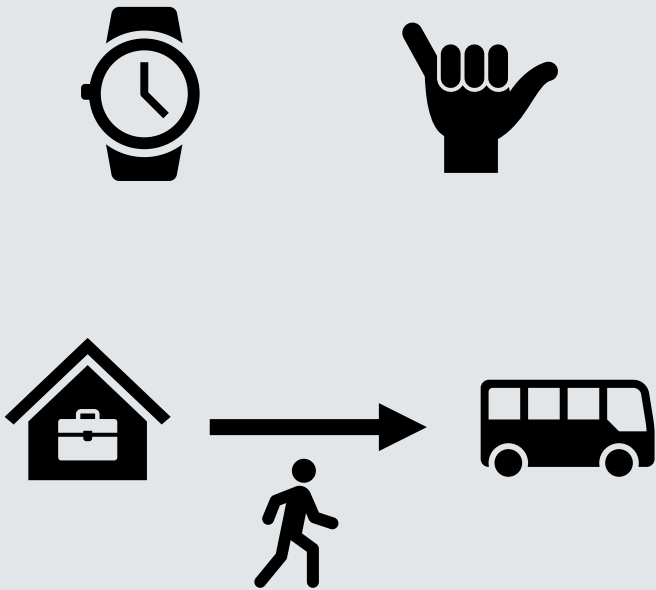
"The flextrafik is much easier than the bus or train, but you need a handicap."

"My bus is not accessible enough for people with a wheelchair, Flextrafik is what they should use."

Age: 60-80 years old
25 people with physical disability
31 people without

Interviews

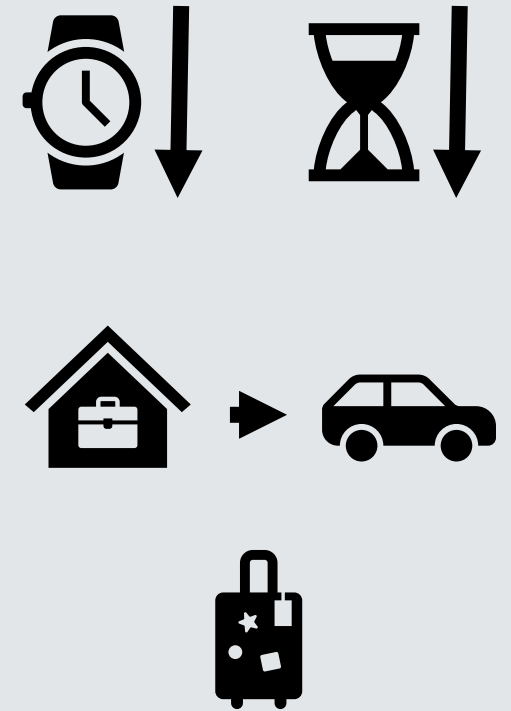
Trains and buses



Flextrafik



Car



Discussion

- Maintenance train tracks
 - Car dependency
 - + First/last-mile problem
 - + Easier
 - + Faster
 - Respondents
 - + No survey
 - + Perception from literature
 - + Interpretation in report
 - Extended recommendations will be done later on
- Solutions?
 - + Plustur
 - + Ramps at busstops
 - + Improving Flextrafik
 - What next?
 - + Suitability maps – extra train stations/ busstops?
 - + Improving DOT App



Conclusion

- Bad services: delays, distances, insufficient
- The buses and trains are quit well equipped
- Stations still have some points of improvements
- Some efforts are already made
- Flextrafik is too complex and not as flexible as it should be



Yesterday was...

