

# JUSTICE

Joining Urban morphology, Spatio-Temporal and socio-cognitive accessibility for an Inclusive City Environment



World Health Organization - Turkey Country Office

Workshop meeting  
“Social Inclusion of Persons with Disabilities”

2023, December 7th,  
Ankara

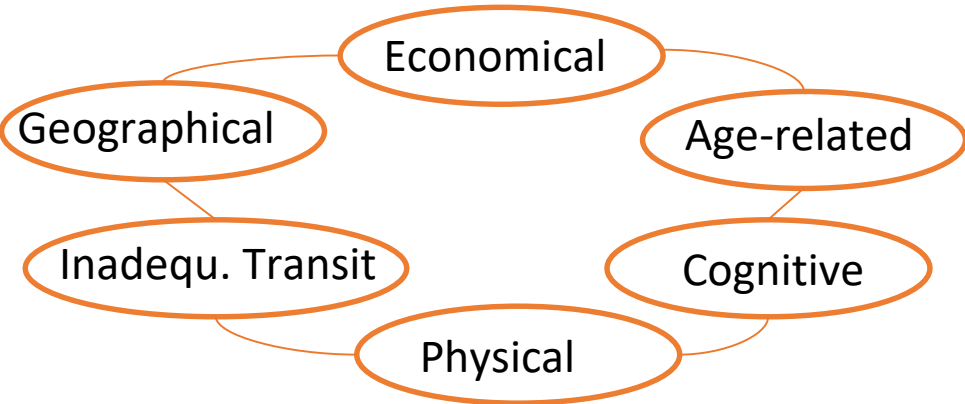
Alexis Conesa, LIVE,  
Université de Strasbourg

# What is an inclusive city?



Public Transit Accessibility

Impaired by a system of barriers:



## GOALS

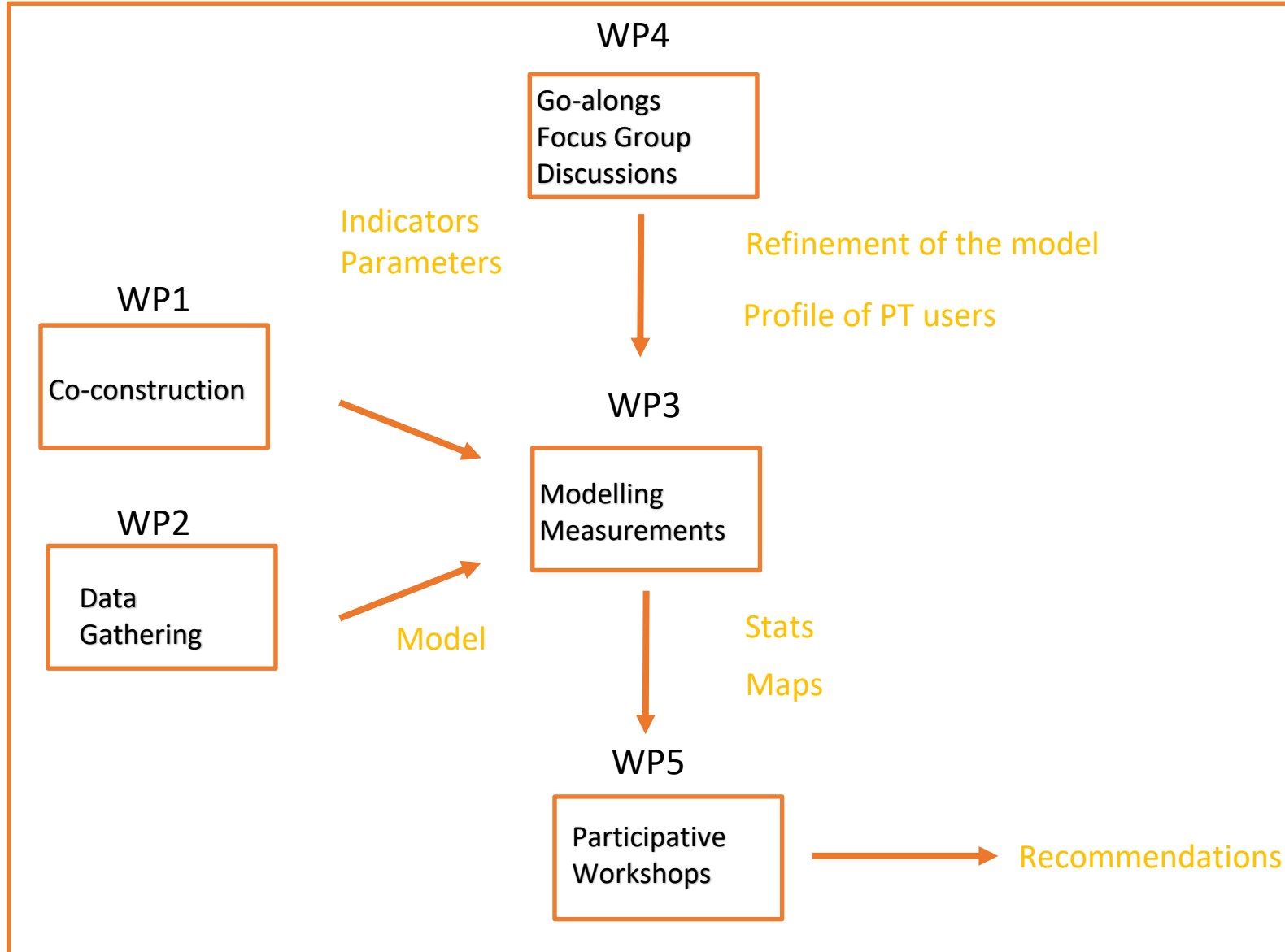
To measure and characterize accessibility for specific target groups

Draw a recommendation list for inclusive city environments

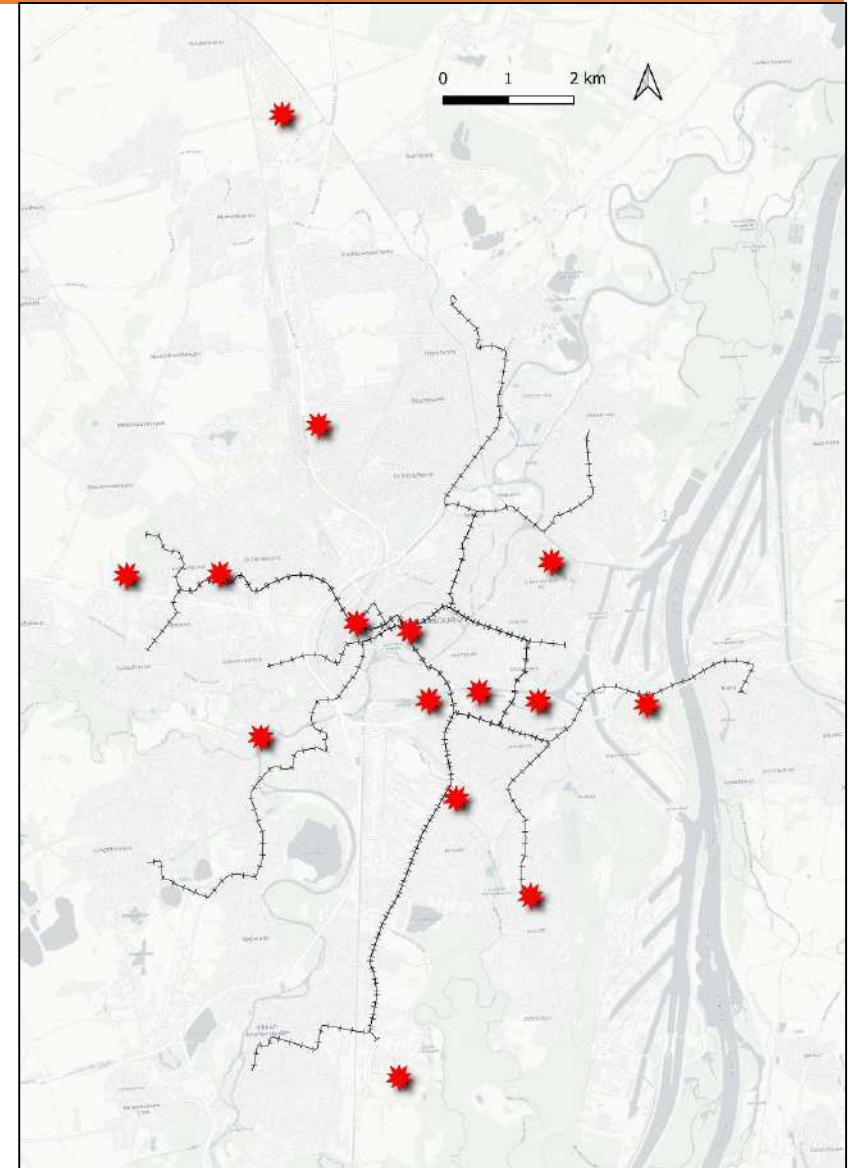


Crédits: Prostock-Studio

# General Approach



## Points Of Interest (Strasbourg)



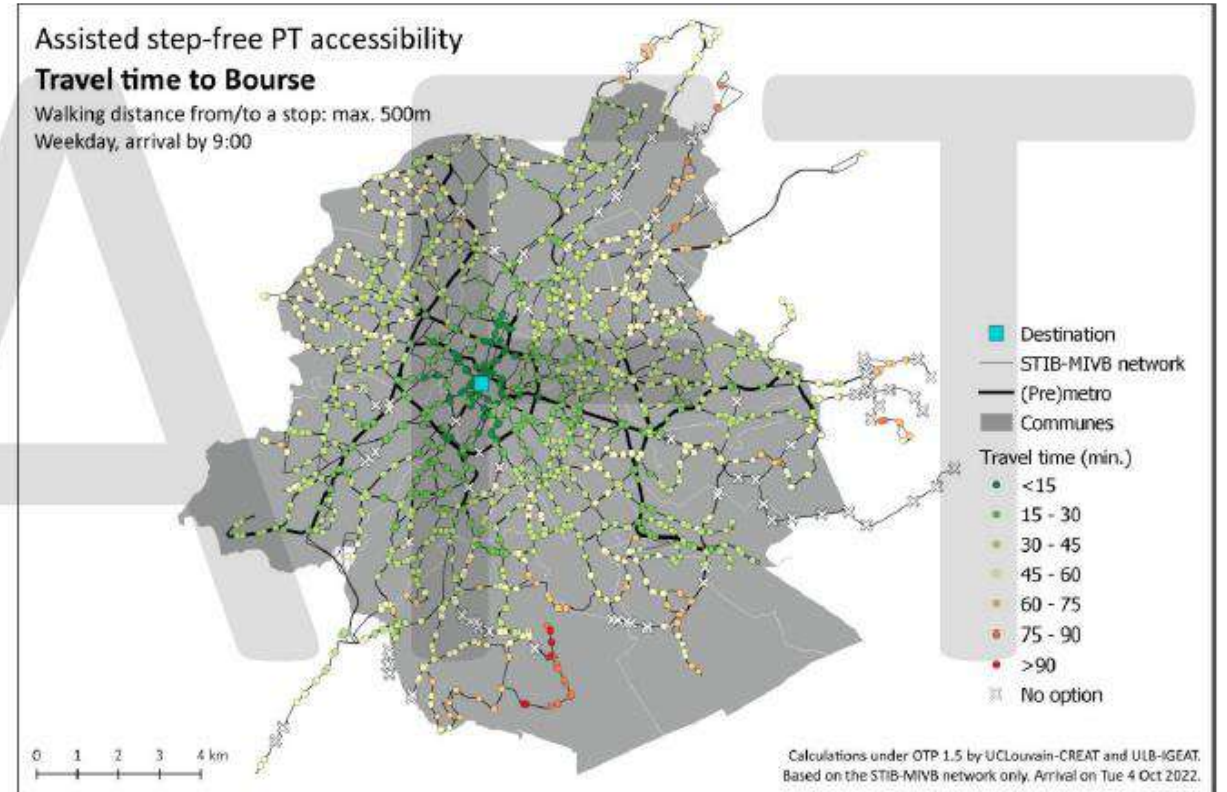
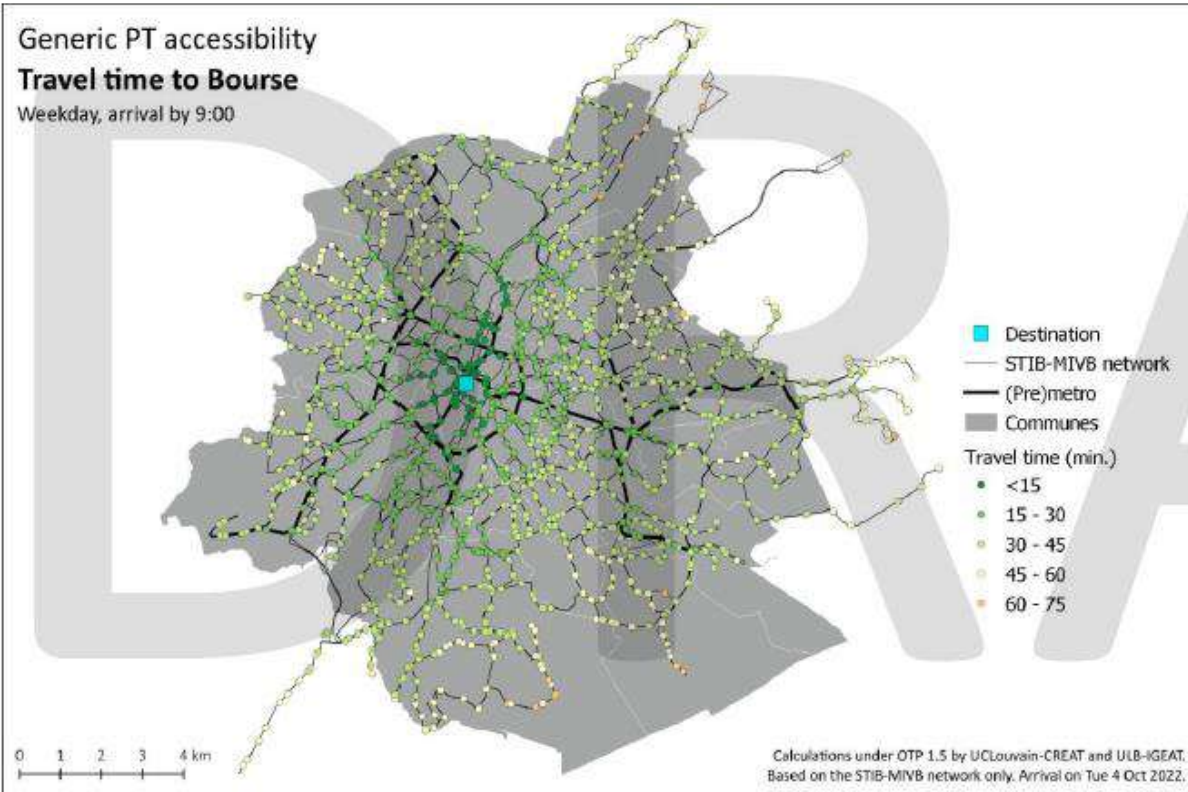
# EARLY RESULTS



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3 cities · 4 audiences

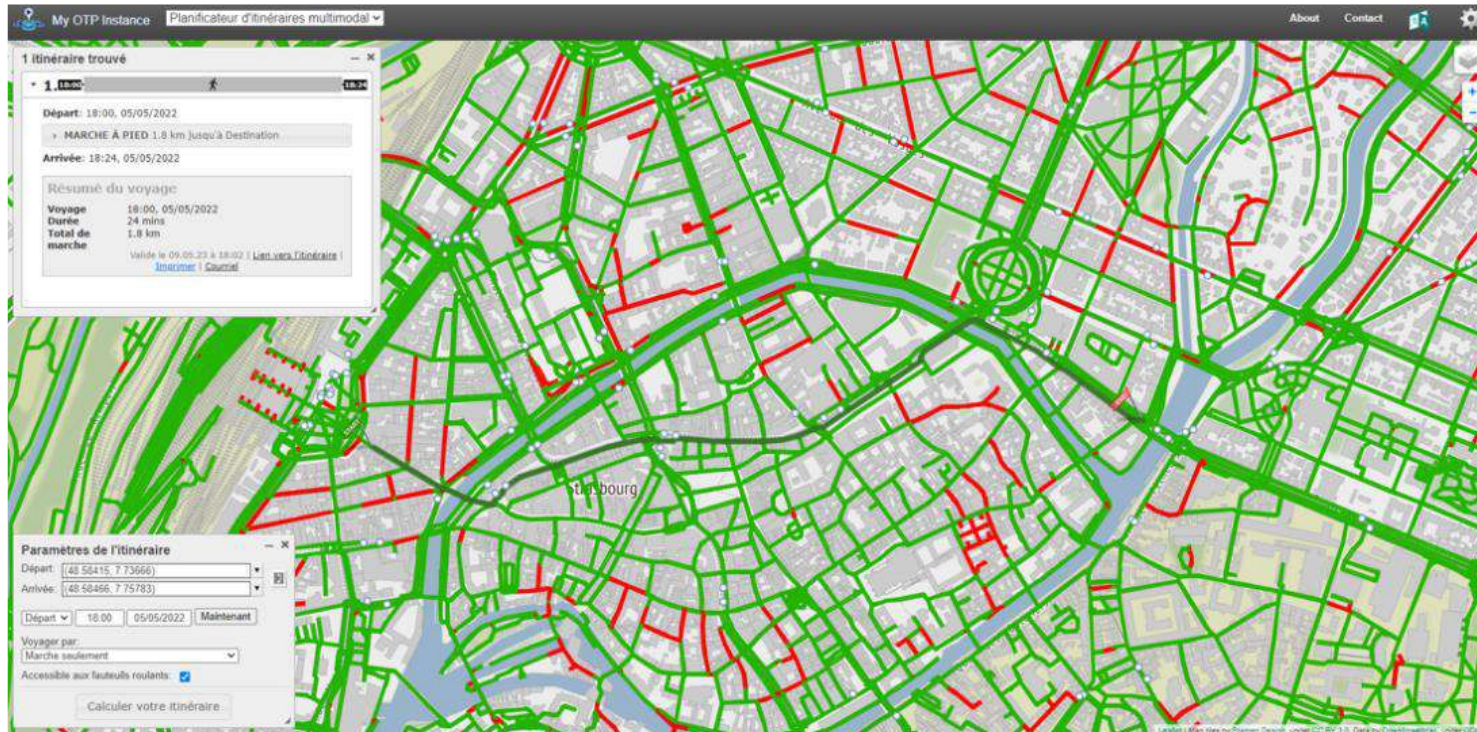


# Brussels

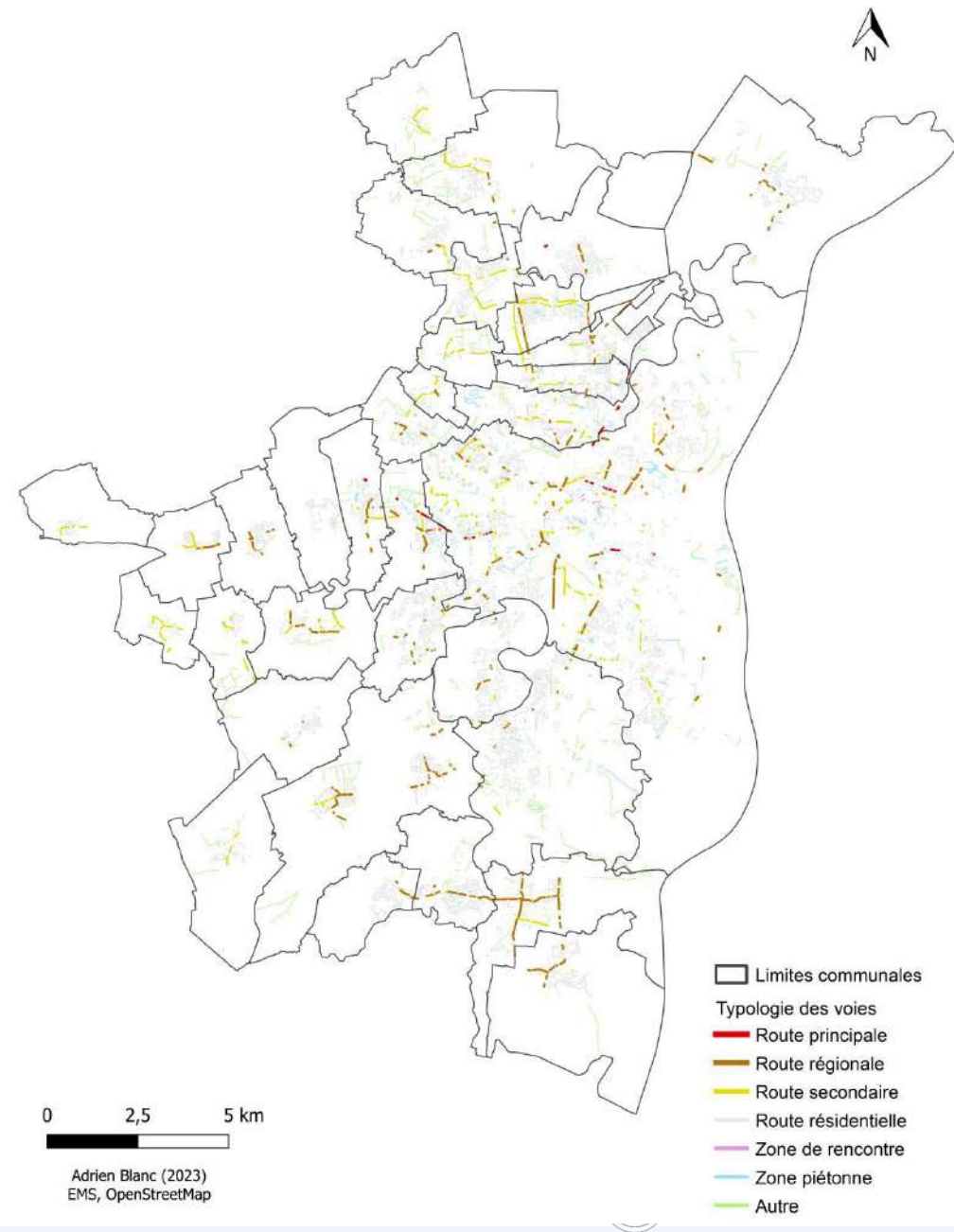


# Strasbourg

## Inadequate roads in EMS (Strasbourg)



Mapping : Adrien Blanc



**DRAFT**







BAS-RHIN

BADE-WURTEMBERG


*Generic Accessibility  
by Public Transport  
in the Strasbourg Eurometropolis  
On Tuesday, May 3, 2022  
for an arrival at 9am*

-  Hautepierre Hospital

Time to reach the point of interest:

-  Less than 20 minutes
-  20 to 40 minutes
-  40 minutes to 1h
-  1h to 1h30
-  1h30 to 2 hours
-  Inaccessible

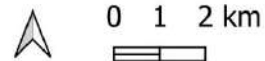
 Bus network

 Tramway network

 Regional trains

 Municipal boundaries

 The Rhine



DRAFT







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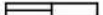
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 The Rhine

 0 1 2 km  




# DRAFT







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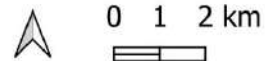
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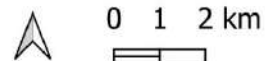
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# Recommendations & Actions



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# Ex. of recommendations (Strasbourg)

## Roadways

High Sidewalks  
Signs for obstacles  
Dangerous Crossings

## Transit Service

Frequency  
Range of operating hours

## Rolling Stock

Number of handholds  
Door opening

## Citizenship

Bus drivers way of driving  
Consideration for fragile groups

## Information

Voice announcements number on platform  
Voice announcements sound level on vehicle  
Apps  
Screens

## Ex. of actions (Konya)

Kiosks to allow disabled people to report their presence at the bus drivers



40 buses & 3 bus stations equipped thanks to the JUSTICE project



# Conclusion



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3 cities · 4 audiences



# What is an inclusive city policy?

→ **Public Transit Accessibility Strategy**

	...	Brussels	Konya	Strasbourg	...
Physical Access to stations and vehicles		★	★		
Physical access of the roadways, sidewalks and buildings				★	
Transit Service (lines, frequency, time range)				★	
Economical access, affordability			★		
Guiding and information		★			
Consideration and participation					

★ High-Priority

# THANK YOU FOR LISTENING



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