



SUMI for Antwerp

7th Florence Intermodal Forum - 19 September 2020



Largest city in Flanders

530,000 residents

+50,000 students

250,000 commuters

80,000 companies



Second largest port in Europe

+ 14,500 ships


+ 235 million tonnes in 2019

+ 11 million TEU containers in 2019

+ node on 3 TEN-T corridors

A blue background with a white network diagram consisting of numerous small dots connected by thin lines, creating a complex web of connections. The text is centered in white.

Need to transform Antwerp's mobility since 1999

A white vertical line extending from the bottom center of the page to a small white circle at the top.

Regional Planning Instruments Aiming at 50/50

Local Planning Instruments Aiming at 50/50

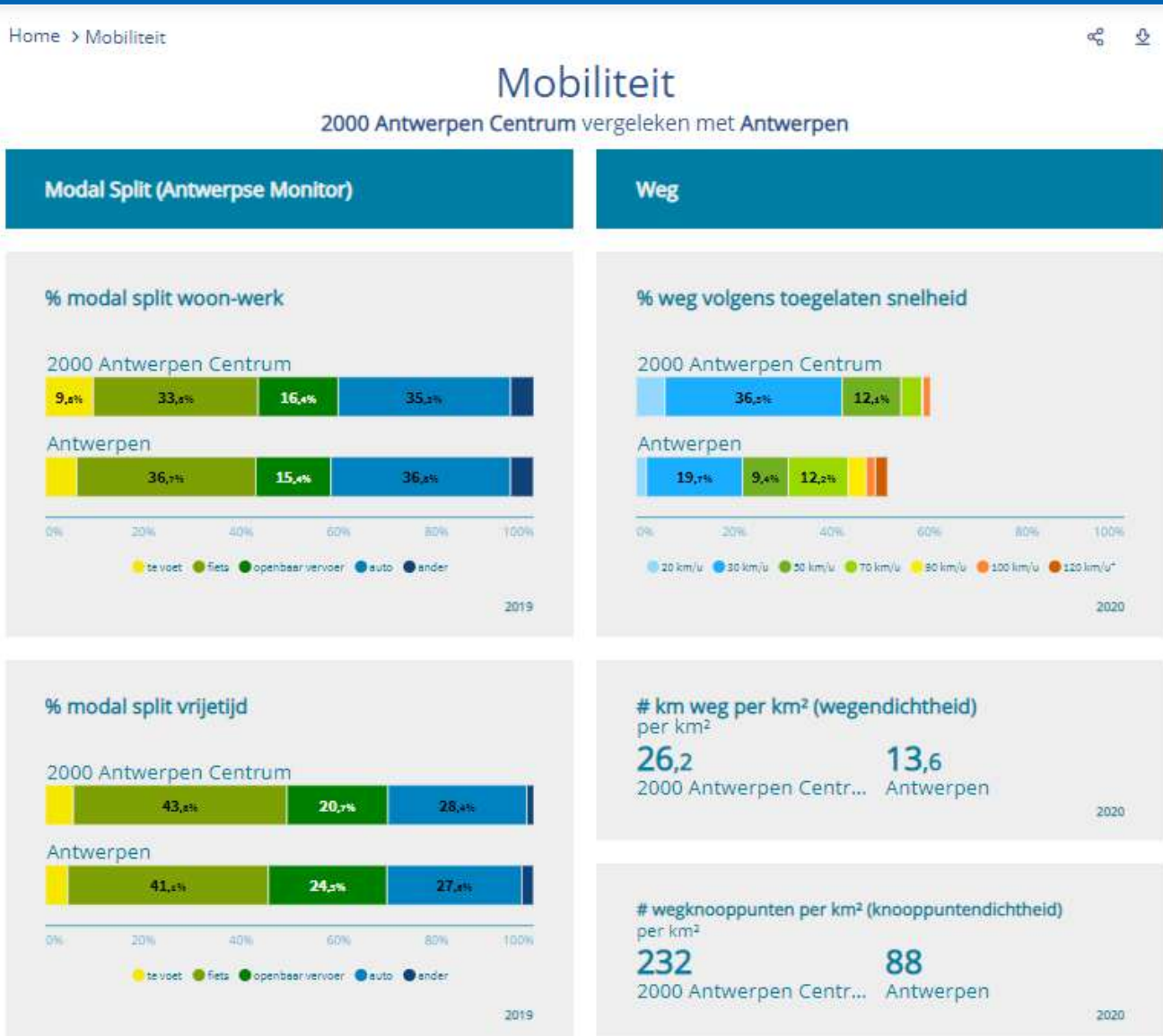


Working with indicators since 2009



- Demography
- Education
- Culture & Sports
- Youth
- Tourism
- Welfare and poverty
- Economy & Work
- Housing
- Space usage
- Amenities
- **Mobility**
- Green & Nature
- Environment
- Health
- Safety & accidents

>30 mobility indicators (out of 150) in our main dashboard



- **Modal split**
- Road allocation
- Satisfaction
- Roads dedicated for pedestrians/cyclists
- Infrastructure for cyclists
- (Parking) infrastructure for cars
- Access to hubs in a 5' walk
- Access to hubs in a 15' walk or 5' bike trip

SUMI applied to Antwerp (12 out of 19)

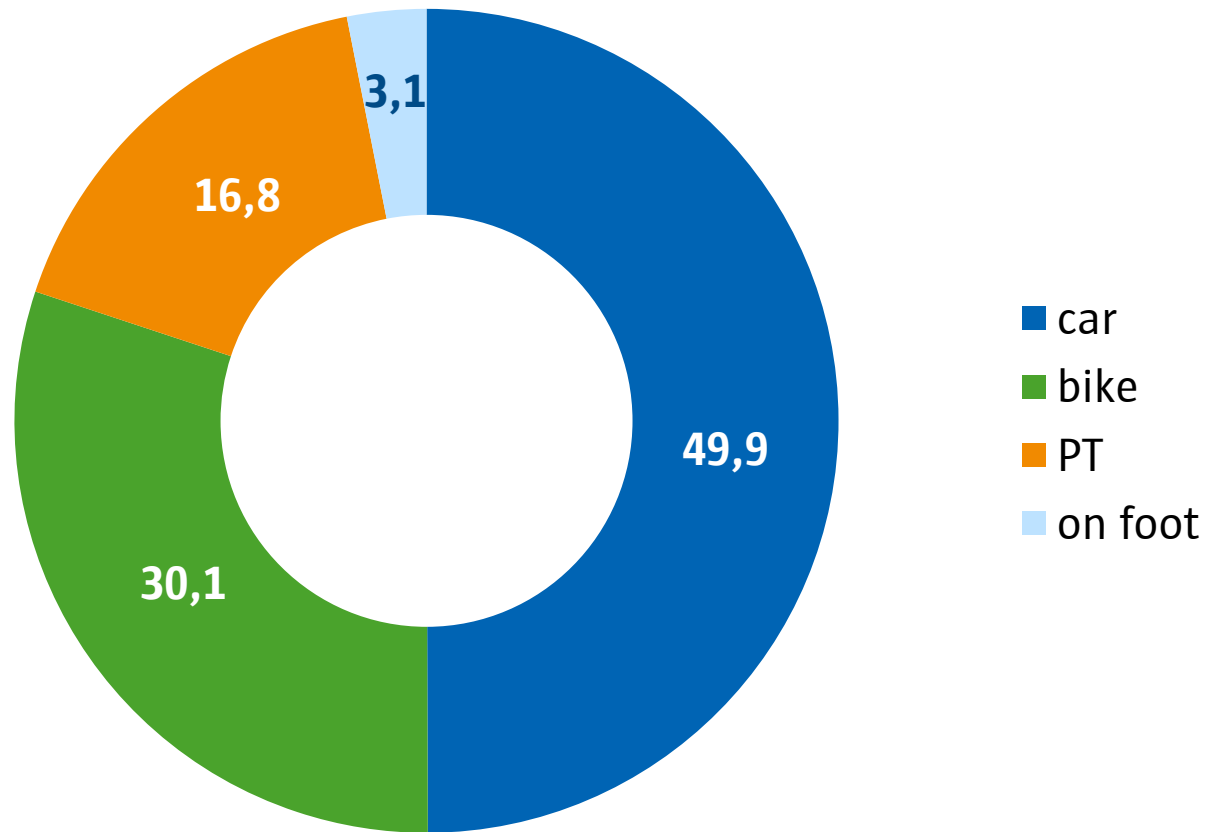
	Indicator	Status in SUMI
Indicator 1	Affordability	
Indicator 2	Accessibility	
Indicator 3	Air pollutants	
Indicator 4	Noise	
Indicator 5	Fatalities	
Indicator 6	Access mobility	not enough data
Indicator 7	Green house gas emissions	
Indicator 8	Congestion	
Indicator 9	Energy Efficiency	
Indicator 10	Opportunity active mobility	
Indicator 11	Multimodal integration	
Indicator 12	Satisfaction	
Indicator 13	Traffic safety active modes	
Indicator 14	Quality of public area	
Indicator 15	Functional diversity	no data
Indicator 16	Commuting travel time	
Indicator 17	Mobility space usage	
Indicator 18	Security	
Modal split		

Antwerp SUMI screened on reliability (5 out of 19)

	Indicator	Status in SUMI	Status sources
Indicator 1	Affordability		
Indicator 2	Accessibility		Models and assumptions
Indicator 3	Air pollutants		Models
Indicator 4	Noise		
Indicator 5	Fatalities		
Indicator 6	Access mobility	not enough data	
Indicator 7	Green house gas emissions		Models
Indicator 8	Congestion		
Indicator 9	Energy Efficiency		Models
Indicator 10	Opportunity active mobility		
Indicator 11	Multimodal integration		
Indicator 12	Satisfaction		Survey 2015
Indicator 13	Traffic safety active modes		Models
Indicator 14	Quality of public area		
Indicator 15	Functional diversity	no data	
Indicator 16	Commuting travel time		
Indicator 17	Mobility space usage		
Indicator 18	Security		
Modal split			Models

Focus: Modal split as a parameter

Modal split Antwerp (SUMI)



Definition Modal split in SUMI

For passenger mobility:

- Modal split according to passenger kilometres ran
- Modal split according to vehicle kilometres ran
- Modal split according to the number of trips ran
- Modal split according to the number of vehicle kilometres per trip ran

For freight:

- Modal split according to goods vehicles kilometres ran
- Modal split according to freight tonnes kilometres ran

Definition Modal split in SUMI

For passenger mobility:

- Modal split according to **passenger kilometres ran (*)**
- Modal split according to **vehicle kilometres ran**
- Modal split according to **the number of trips ran**
- Modal split according to **to the number of vehicle kilometres per trip ran**

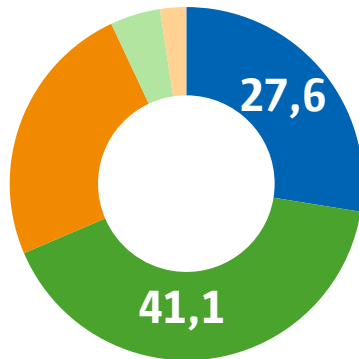
For freight:

- Modal split according to **goods vehicles kilometres ran**
- Modal split according to **freight tonnes kilometres ran**

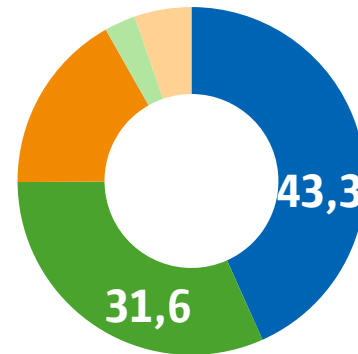
(*) data that cannot be provided by the city level

Modal split personal travel at city level in %

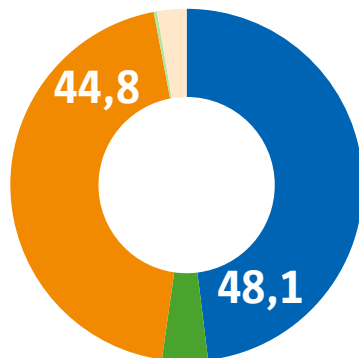
Residents leisure 2019



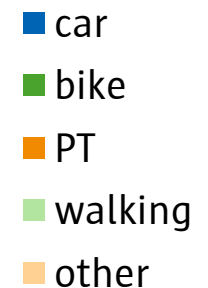
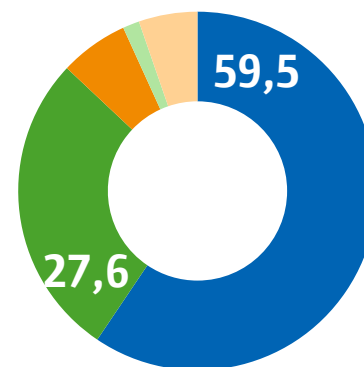
Commuters Antwerp 2020



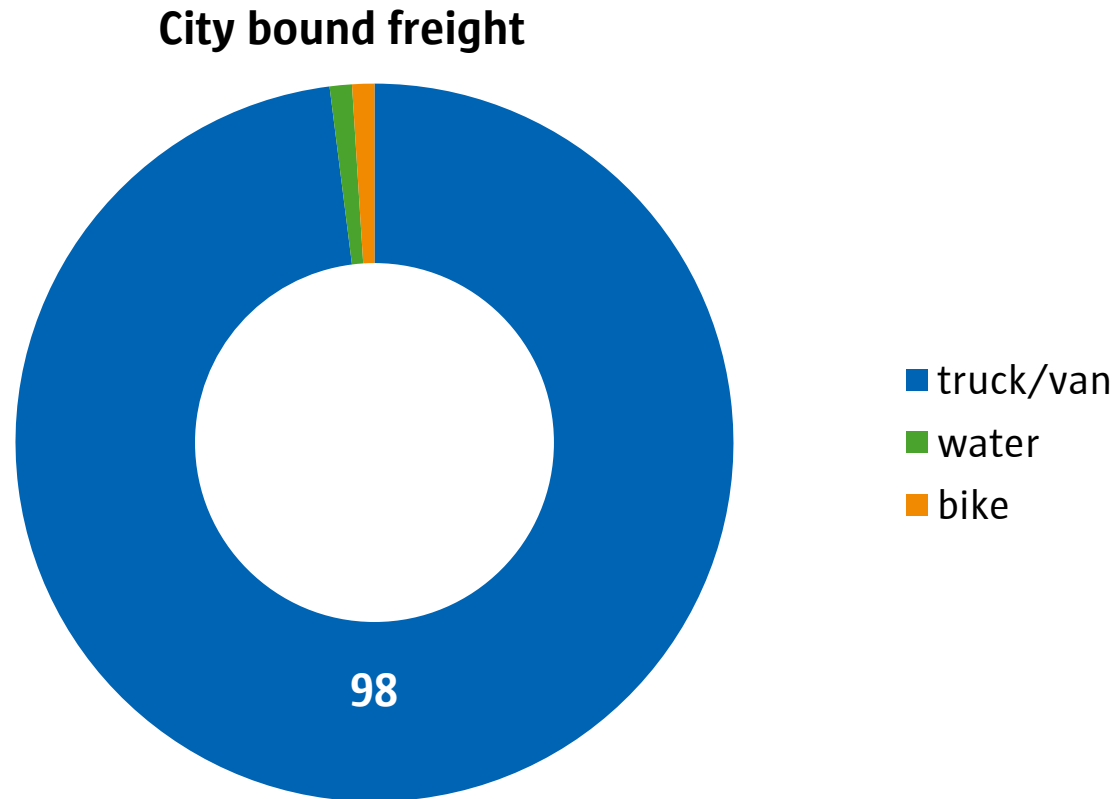
Flemish visitors 2019



Commuters FUA 2020



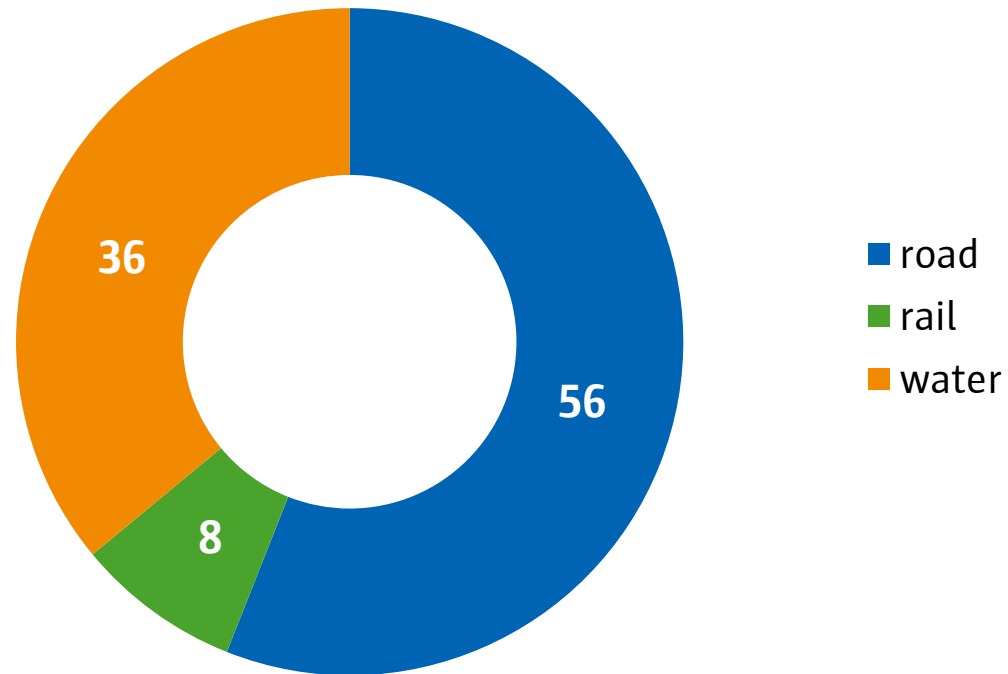
Modal split freight at city level in %



Source: an educated guess

Modal split freight at port level in %

Containers leaving the port 2019

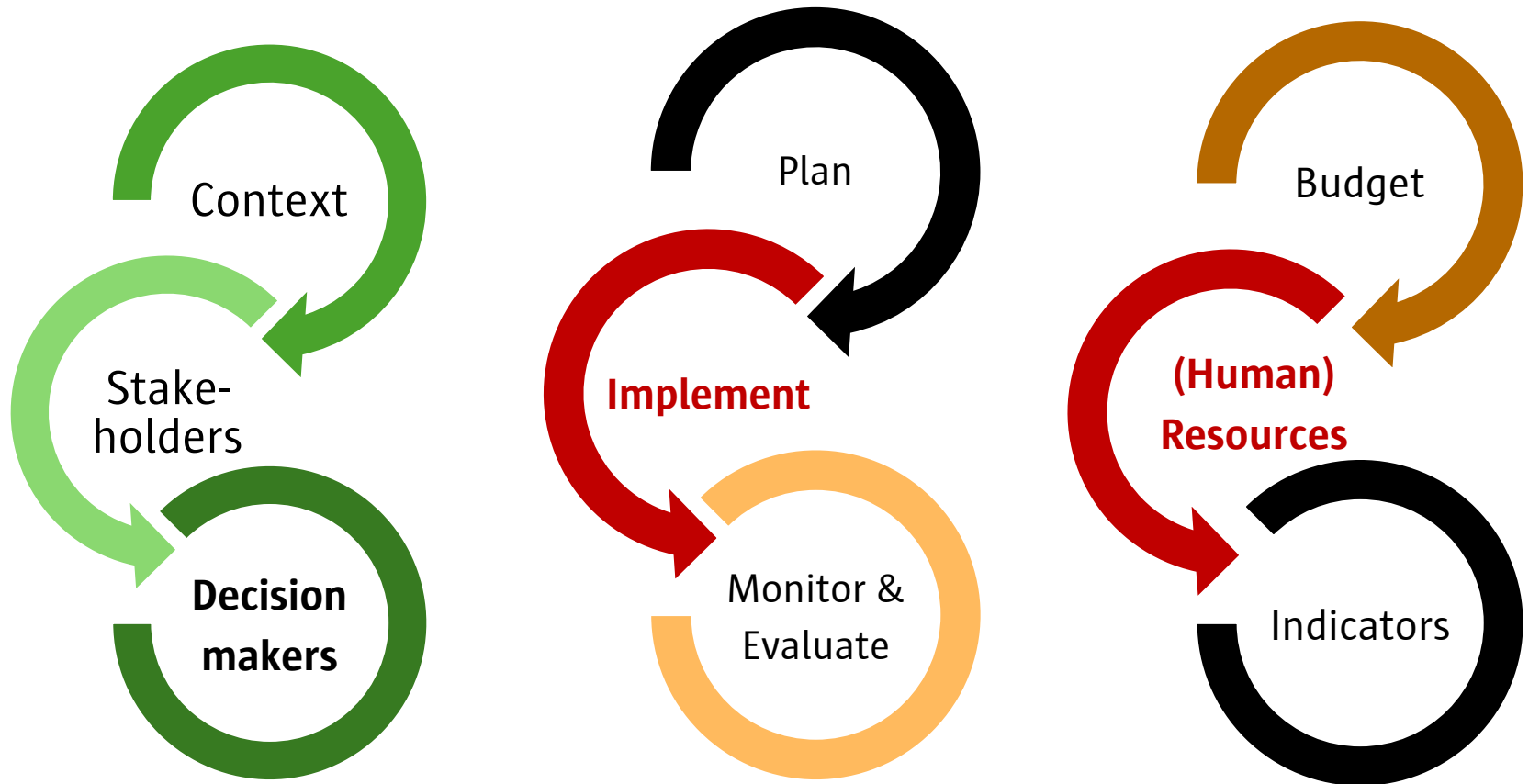


Source: Port of Antwerp

https://www.portofantwerp.com/sites/portofantwerp/files/Feiten_en_Cijfers_2019.pdf

Let's zoom out

And take the perspective of a public manager in a city



Recommendations from a SUMI-city

- Do **promote** the use of indicators to monitor and evaluate the work that cities do
- But assure cities **own and understand** these indicators both on a **political** and **administrative** level
- By rebuilding the SUMI-indicators **bottom-up**
- By incorporating **input and throughput indicators**
- By involving **national** and/or **regional** levels
- By providing guidelines on sound **methodologies** to avoid flawed and unreliable data

Thank you
for your attention

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