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**Policy results so far
– focus on Aveiro**



Aveiro, 10 April 2019



The ClairCity air quality and carbon policy dreams...

High support
from citizens

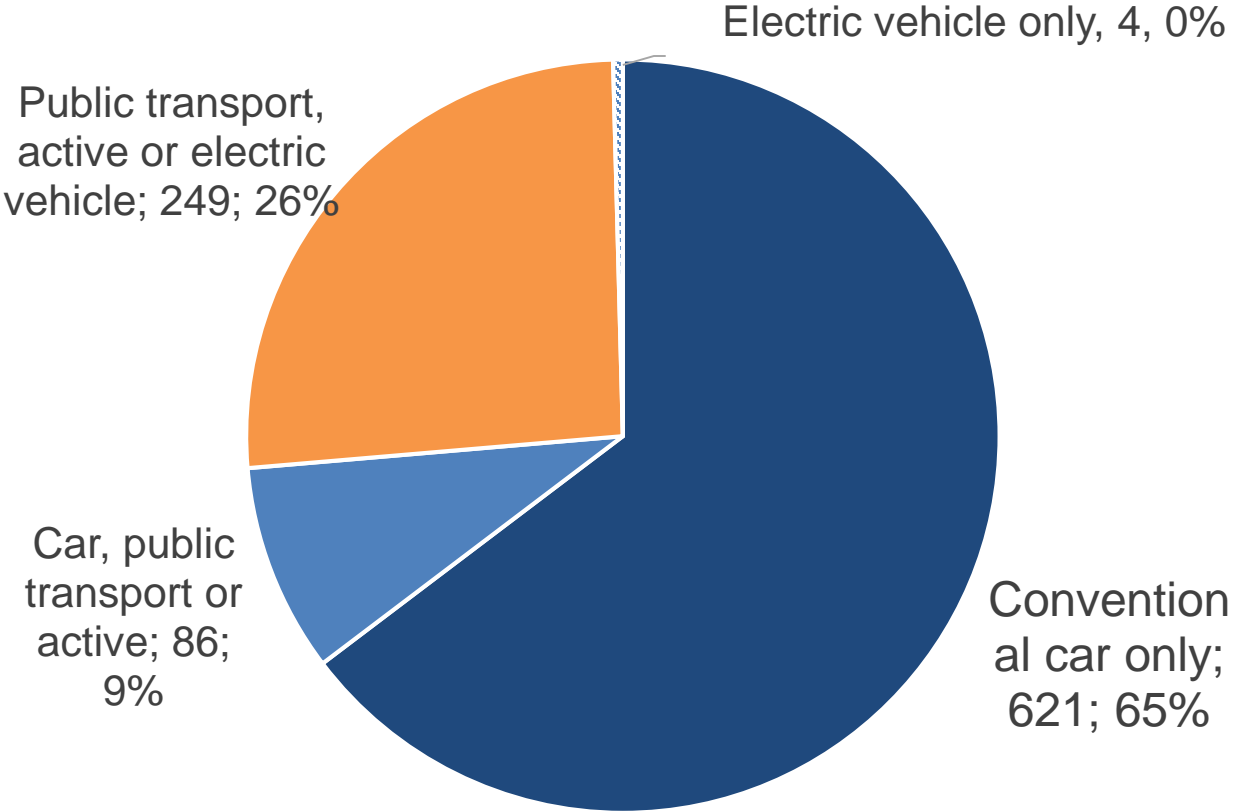
Positive impacts on
environment and
health

Fit within local
policy realities

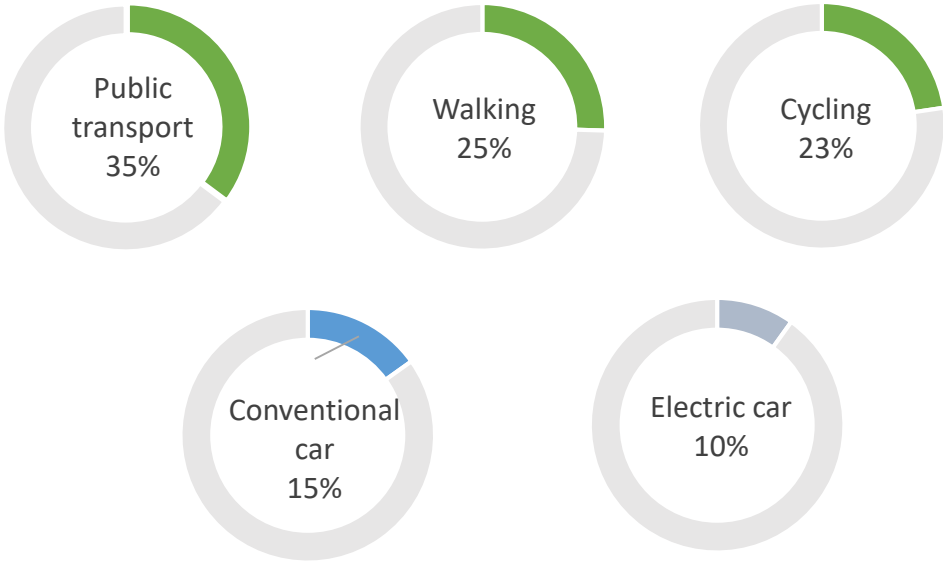


Aveiro – scope for behavioural change commuting

Current

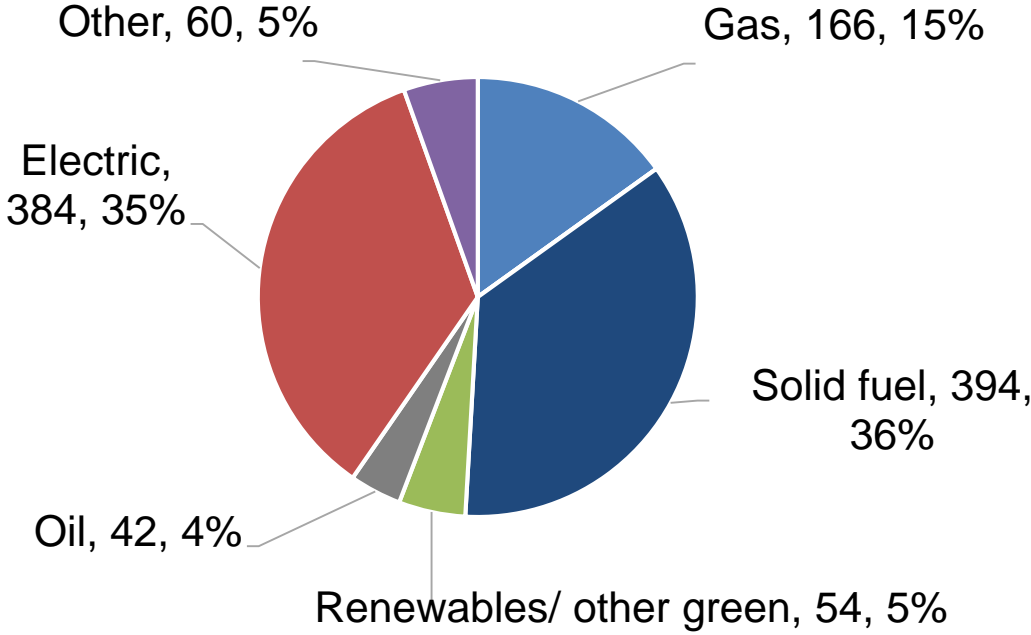


Preferred future

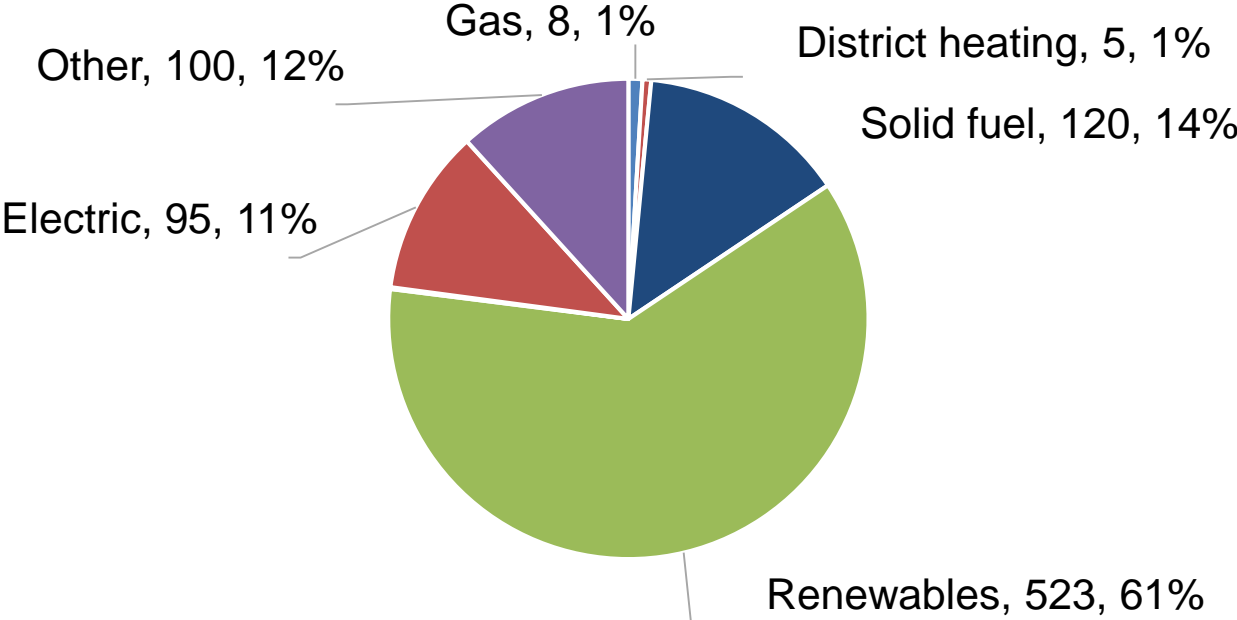


Aveiro – scope for behavioural change heating

Present home heating

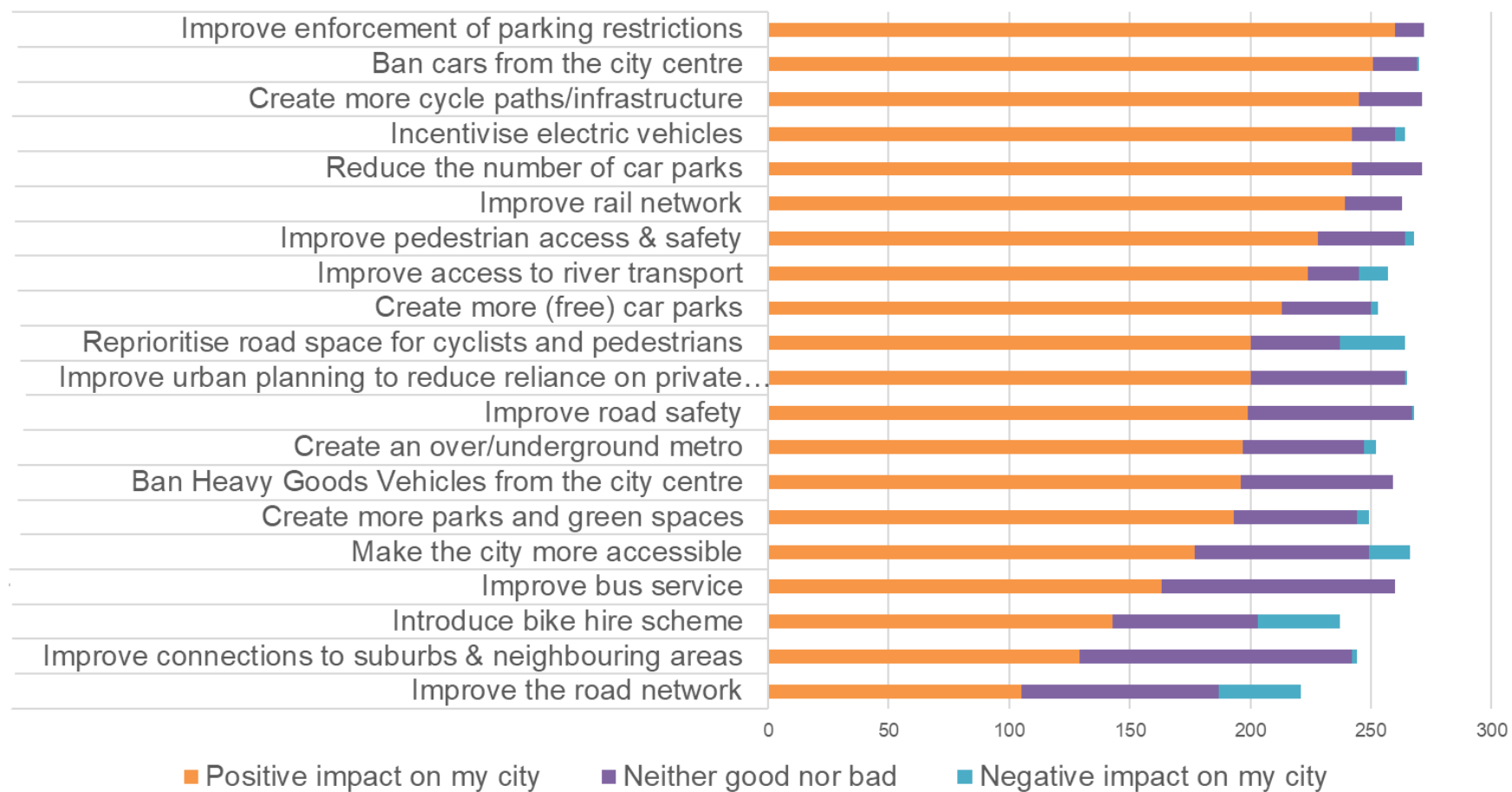


Preferred future heating



Aveiro – scope for policy change

Citizens' views on impact of proposed policy options in Aveiro on their city



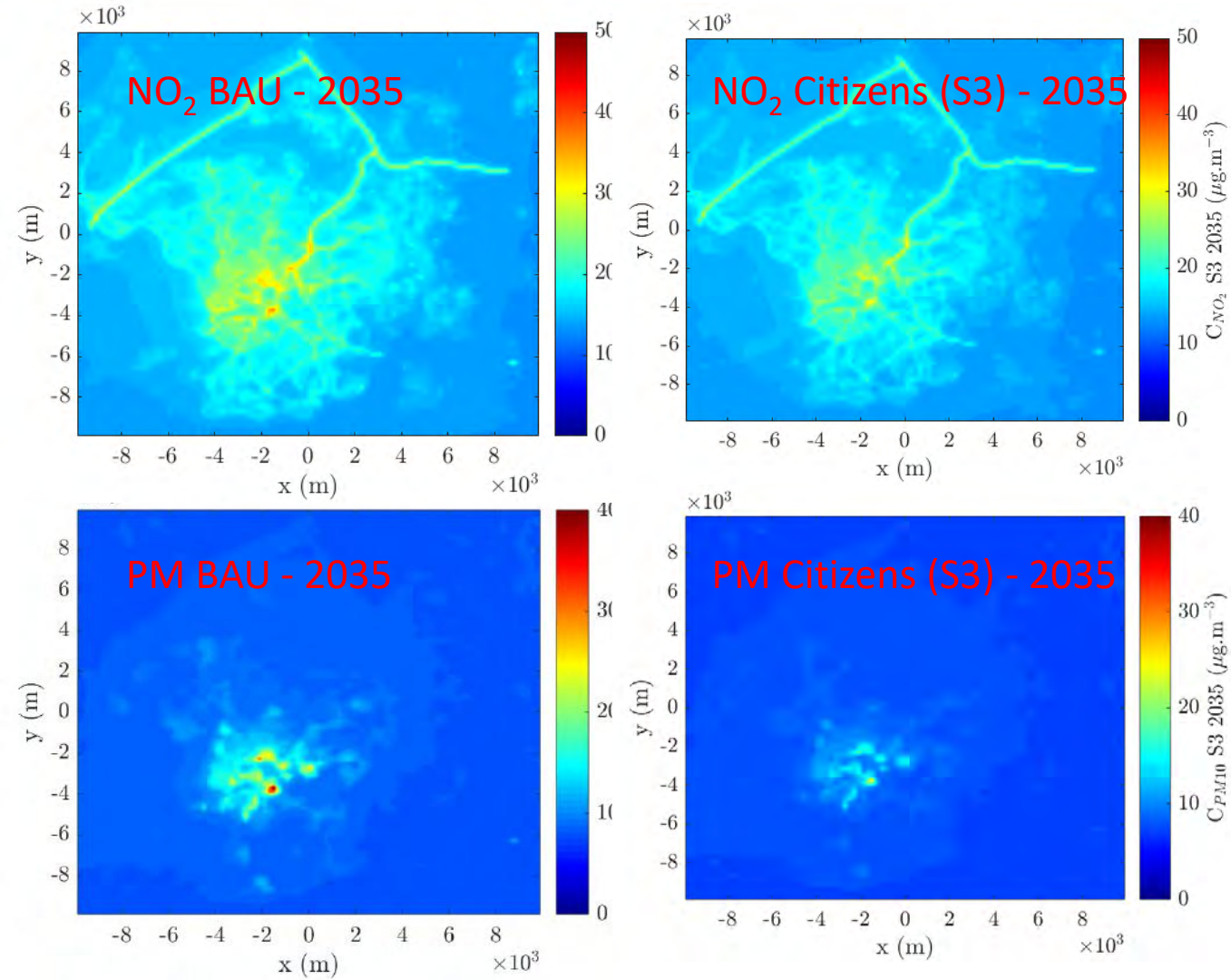
Citizen support - Amsterdam scenarios



Measure	Current policy	Low	High
1. Emission free buses	100% in 2025	Lower*)	Higher*)
2. Better public transport	Increasing only frequency	Higher	Higher
3. More bike parking	40 000 in 2030	Same	Higher
4. Cheaper public transport	No reduction considered	Same	Higher
5. Environmental zones	Currently no cars included, but considered	Lower	Higher
6. Car parking	Reduce car parking places 7 – 10 000, increase highest tariff to 7.50 €	Lower	Higher
7. Traffic flows in city center	Reduction considered	Lower	Higher
8. Energy efficient housing renovation	Label B – C for all housing corporations in 2030	Lower	Higher
9. Wood heating	No policies	Higher	Higher
10. Solar panels	1 000 MW in 2040, voluntary	Same	Higher
11. Gas-free built environment	100% in 2040, 5 000 € per house subsidy	Lower	Higher

*) Lower / higher ambition level chosen by citizens and stakeholders than current policy level

Environmental and health impacts - Bristol



Group	Mortality (reduction)							
	PM10				NO2			
	0 μg/m3 threshold				10 μg/m3 threshold			
	2015	2025	2035	2050	2015	2025	2035	2050
BAU	222	-5%	-6%	-6%	443	-26%	-37%	-45%
Scenario 1		-5%	-6%	-6%		-26%	-37%	-45%
Scenario 2		-5%	-6%	-6%		-28%	-37%	-46%
Scenario 3		-12%	-14%	-16%		-34%	-46%	-56%



Reflections by policy makers on citizens' ambitions - Amsterdam

Amsterdam – ‘Unified Policy Scenario’

Measure	Current policy	Low	High
1. Emission free buses	100% in 2025	Lower*)	
2. Better public transport	Increasing only frequency		Higher*)
3. More bike parking	40 000 in 2030		Higher
4. Cheaper public transport	No reduction considered	Same	
5. Environmental zones	Currently no cars included, but considered		Higher
6. Car parking	Reduce car parking places 7 – 10 000, increase highest tariff to 7.50 €		Higher
7. Traffic flows in city center	Reduction considered		Higher
8. Energy efficient housing renovation	Label B – C for all housing corporations in 2030	Lower **)	
9. Wood heating	No policies		Higher
10. Solar panels	1 000 MW in 2040, voluntary		Higher
11. Gas-free built environment	100% in 2040, 5 000 € per house subsidy		Higher ***)

- Citizens' ambitions mostly seen by policy makers as in line with Amsterdam policies
- Many implementation details given by policy makers for each measure



Citizen support – Aveiro, Bristol, Amsterdam compared

Shared patterns	Differences
<ol style="list-style-type: none">1. Improve public transport2. Reduce access for private cars3. Stimulate walking & cycling4. Stimulate fuel switch for heating5. Make the building stock more energy efficient6. Apply green urban planning	<p>Aveiro</p> <ul style="list-style-type: none">- More cycle paths- Rail, river, tram/metro- Parking restrictions in centre- Also: improve road network, free parking <p>Bristol</p> <ul style="list-style-type: none">- Segregated cycle lanes- Free buses- Levy/ ban cars from city centre- Also: extend/scrap residents parking zones, speed limits <p>Amsterdam</p> <ul style="list-style-type: none">- Sustainable heat for housing corporations- Ban woodstoves- Bike parking- Ban 'beer bikes'



Conclusion: city actions Aveiro?

- Positive action: cycling
- Attitude to change: private cars
- Information: impacts of wood burning
- Other ???







Thank you for your attention!



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