

UNIVERSITY OF ZILINA University Science Park



vedecky univerzitny park univerzitný vedecký park univerzitný vedecký park university science park UNIVERSITV science **DALK** university science park UNIVERSITV science park univerzitný vedecký park UNIVERZITNV VEDECKV park univerzitný vedecký park univerzitný vedecký park univerzitný vedecký park UNIVERSITV science **Dark** university science park University science park univerzitný vedecký park univerzitný vedecký park univerzitný vedecký park univerzitný vedecký park university science park UNIVERSITY SCIENCE **DALK** university science park UNIVERSITV science park univerzitný vedecký park Univerzitny vedecky park univerzitný vedecký park univerzitný . universitv vedecký park universit park

Success Factors of Urban Zone Management

Dietrich Leihs ERA Chair Researcher for Intelligent Transport Systems

Mobility Forum meeting 19-21 October 2015, Tallinn



Less Cars in Cities

	LEZ	Congestion Charge	Park Pricing
Mechanism to control traffic	Drive ban Charge	Charge	Charge
Specific to certain vehicle types	Yes	Yes	No
Large Zones	No (charge: Yes)	Yes	Yes
Reduce flow traffic	No (charge: Yes)	Yes	Scheme specific
Reduce Pollutants	Yes	Yes	Scheme specific
Reduce GHG	No	Yes	Scheme specific



Example: Milan

	ADT _w	CO ₂	NO _X	PM ₁₀
Ecopass	-144%	_0 %	-11%	-19%
2008-2011	-14,4 /0	- / /0	-11 /0	-17 /0
Area C	-31,1 % *	-35 %	-18 %	-18 %
2012-present				

Reductions after 1 year of operation





Example: Milan

	ADT _w	CO ₂	NO _X	PM ₁₀
Ecopass	-144%	-9 %	-11%	-19%
2008-2011		- / /0	-11 /0	-1770
Area C	_31 1 % *	-35		2/2
2012-present	-51,1 /0	-33	The Charg	ge ^{ro}
Reductions after	1 year of operation		controlst	he
100,0 90,0 80,0 70,0 60,0 50,0 40,0 30,0 20,0 10,0 0,0 0	Sti	imulate Fleet enewal	traffic volu d 24	Charged vehicles [%] uncharged vehicles [%] Traffic Quantity [%]
U	ECOP	ASS - Month in Operati	ion 24	Source: AMAT

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Source: AMAT



Example LEZ in the Netherlands



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Example LEZ in the Netherlands





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Example Park Pricing Vienna





Example Park Pricing Vienna





What are the success factors?

Address a certain user behaviour that needs to be changed

Willingness to adopt the scheme according to a changing environment

Public acceptance

Reduction of pollution

Reduction of congestion

Improvement of travel time

Etc.

Look.fora STRUCTURED APPROACH!



The Criteria and Parameters Model





Criteria





Parameters



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What is new?

A structured approach that benchmarks

- Could help optimizing measures by finding critical aspects
- Could help finding the right balance between different measures
- Could help reducing the risk of uncertainties
- Could help adopting to a changing environment



The last word

The structured approach allows benchmarking of parameters

- faster benefit from other cities implementations
- Recognize required changes in a changing environment

Help for alignment is required

• Harmonizing the structured approach with the existing practice in cities



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= good decisions =

vedeck **DAľK** univerzitnývedeckýpark Univerzitný vedecký park university science university science park university science park UNIVErSity science park univerzitný vedecký park UNIVERZITNV VEDECK park univerzitný vedecký park univerzitný vedecký park univerzitný vedecký park UNIVERSITV scien **DARK** university science park University science park univerzitný vedecký park univerzitný vedecký park univerzitný vedecký park univerzitný vedecký park university science park UNIVERSITV science **DALK** university science park UNIVERSITY science park univerzitný vedecký park Univerzitny vedecky **DAľK**univerzitnývedeckýpark**UNÍVErZitný** vedecký park university park

Thank you for your attention!

Dr. Dietrich Leihs ERA Chair Researcher for Intelligent Transport Systems

dietrich.leihs@uniza.sk www.erachair.uniza.sk

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