



Preparing for an uncertain future

The SPROUT approach to develop narrative and visual scenarios for cities

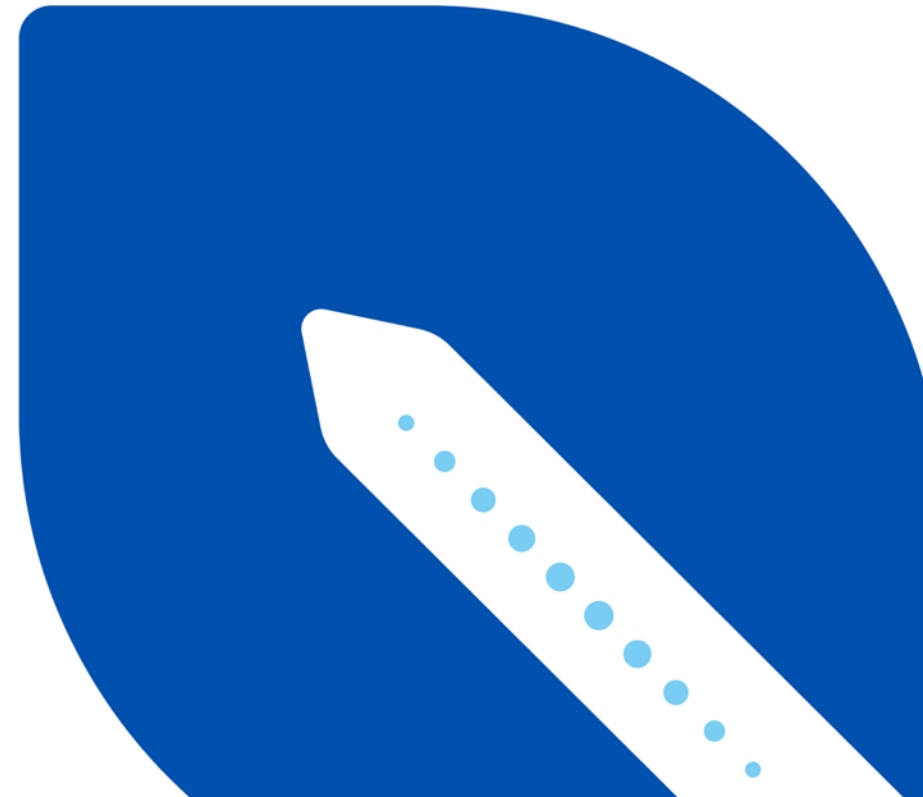
Sara Tori- VUB MOBI

CIVITAS Conference- Aachen

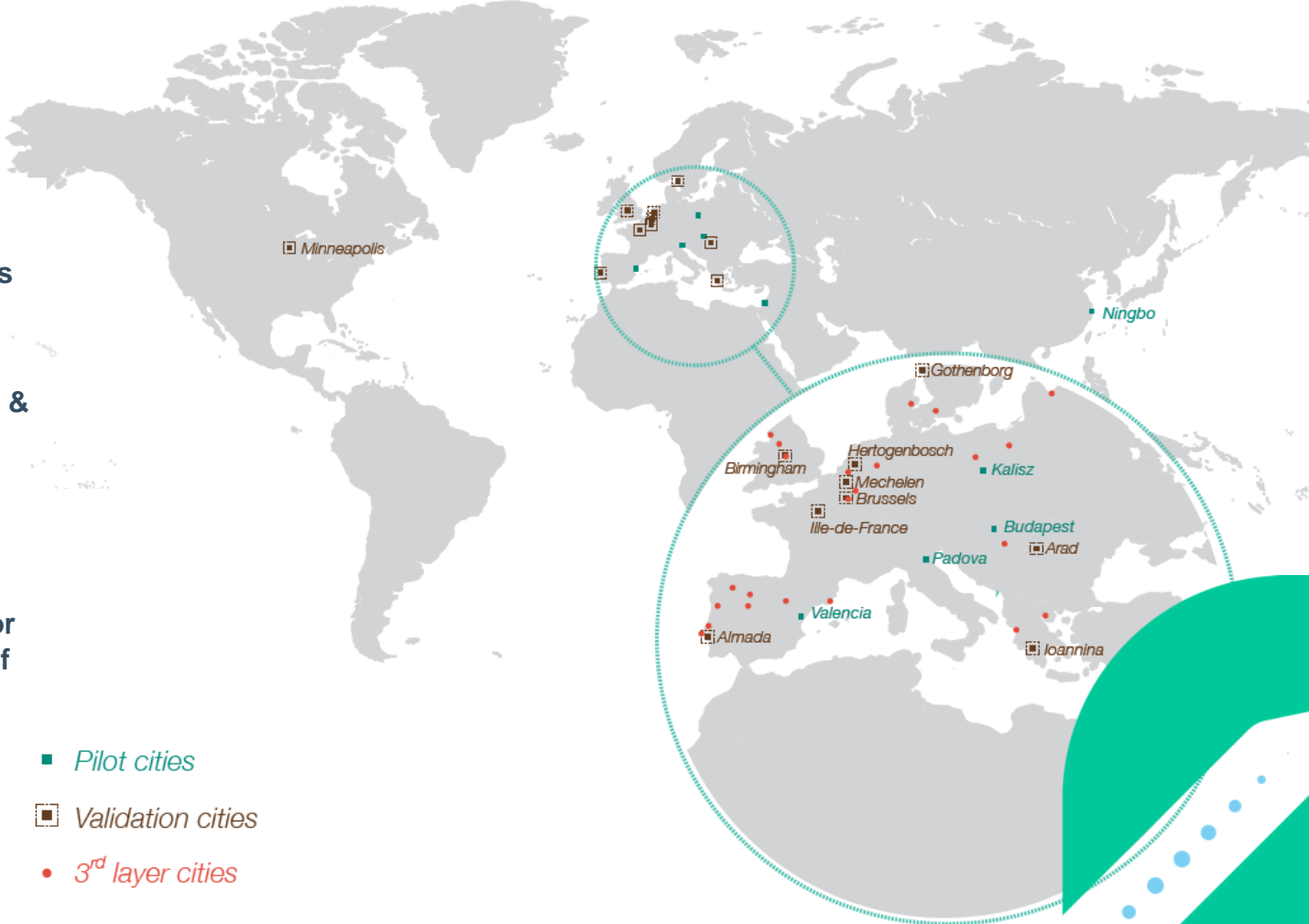
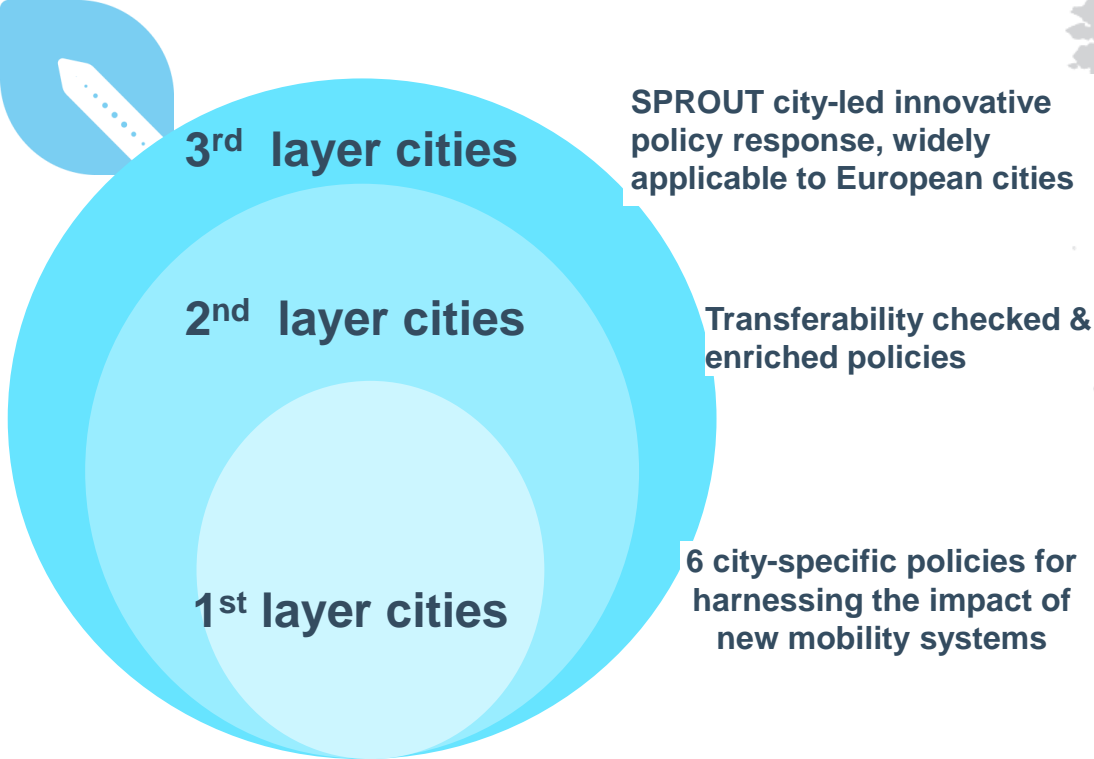
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MOBILITY, LOGISTICS &
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RESEARCH CENTRE



SPROUT Cities





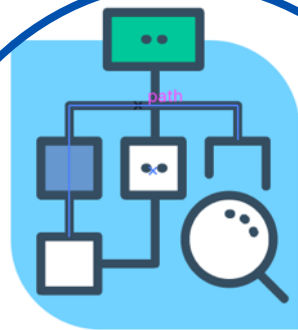
SPROUT will provide a city-led innovative policy response that will be capable of harnessing the impacts of new mobility solutions in a way that makes them more attractive to the users and more sustainable for the society as a whole.



5 Key Objectives



Understand the transition in urban mobility



Foresee and identify the impact of the drivers of urban mobility transition



Formulate a city-led innovative policy response



Provide tools to enhance local policy-making capacity



Navigate future policy on urban mobility

Scenarios

“An internally consistent view of what the future might turn out to be”
(Porter, 1985, pg. 63)



*Help deal with
uncertainty*



*Show several possible
futures*



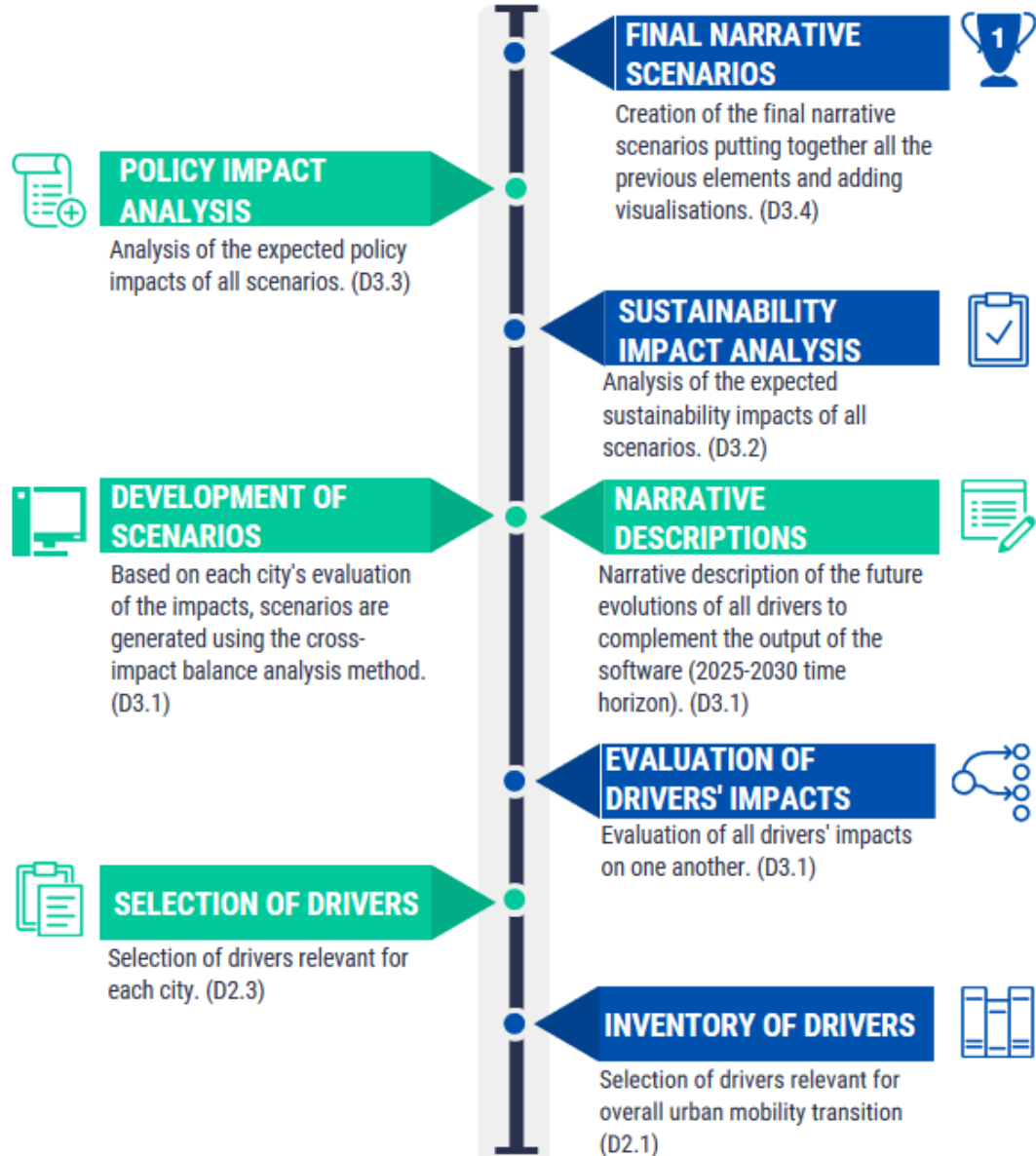
Easy to communicate



*Help consider long-
term policy making
while exploring short-
term options*

The scenariobuilding process

Process steps and timeline




SPROUT methodology

- Goal: narrative scenarios
- 2030 time horizon
- Do-nothing scenarios
 - To identify policy gaps
- Mixed-method approach
 - Cross-impact balance analysis
 - Scenario workshops

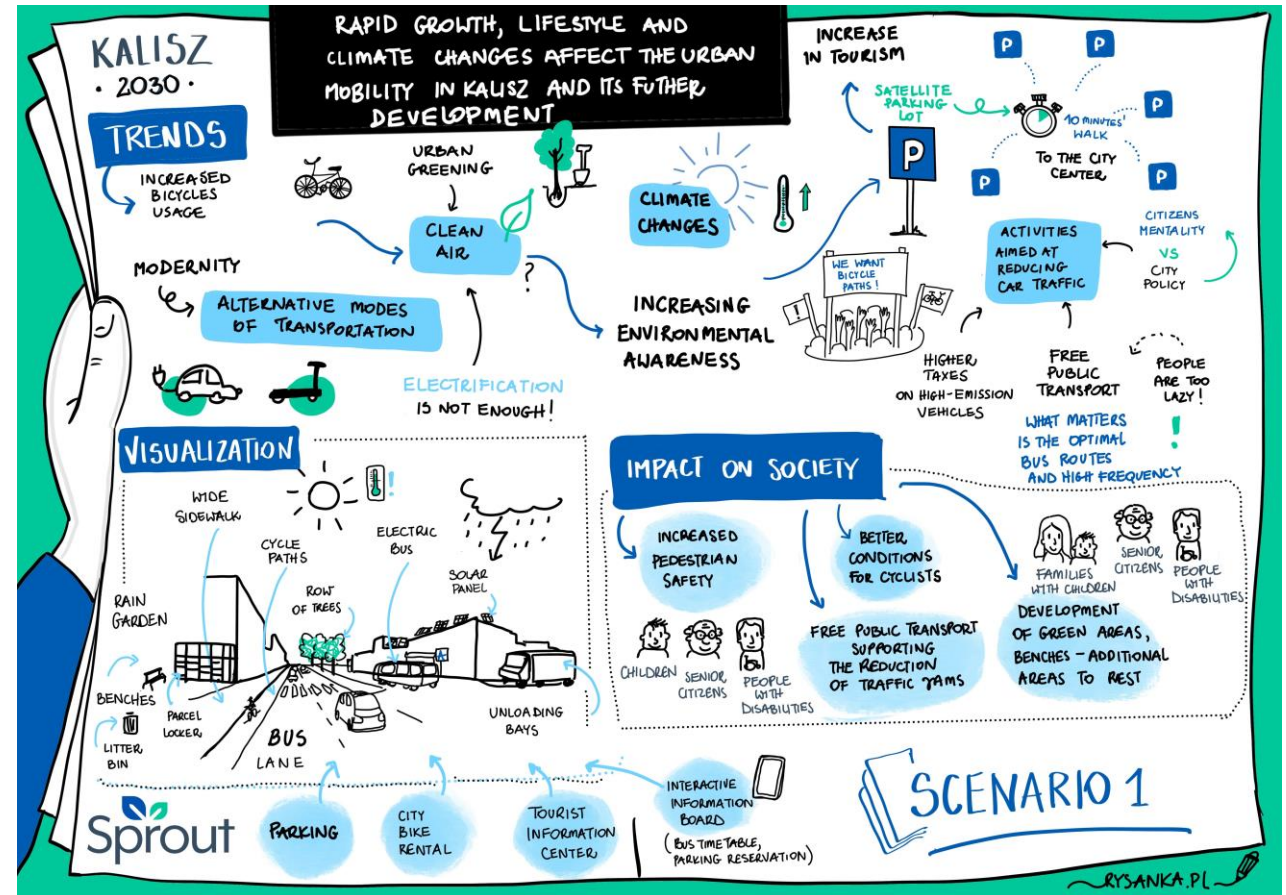
Cross-impact balance analysis

- Based on **drivers** fueling transformation
- Driver categories:
 - Political
 - Economic
 - Social
 - Technological
 - Environmental
 - Legal
- Assess the **direct impact** drivers influence on one another

		Ec2		S2		S6		T1	
		Decrease	Increase	Increasing densification	Increasing sprawl	Weak growth	Strong growth	Weak growth	Strong growth
Ec2: Tourism	Decrease			0	0	0	0	0	0
	Increase			0	0	0	0	0	0
S2: Urban structure	Increasing densification	0	0			-1	1	0	0
	Increasing sprawl	0	0			1	-1	0	0
S6: Environmental consciousness (choice of sustainable mode) 	Weak growth	0	0	-1	1			0	0
	Strong growth	0	0	1	-1			2	-2
T1: Electrification of mobility	Weak growth	0	0	0	0	1	-1		
	Strong growth	0	0	0	0	-1	1		

Scenario building workshops

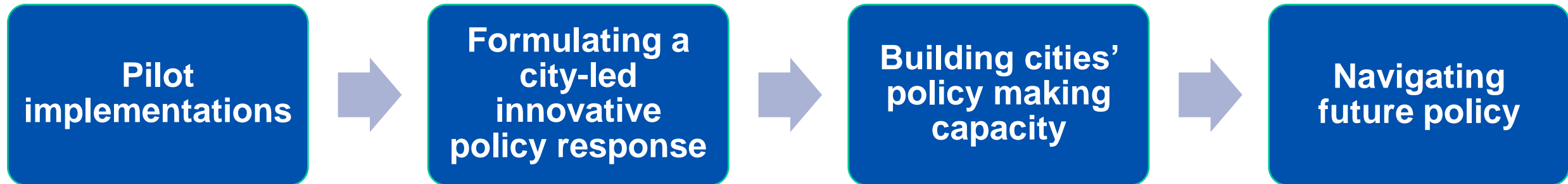
- Online due to COVID
- To develop the narratives of the raw scenarios
- Attended by a visual harvester





Concluding remarks

- Scenario planning as a good tool for **flexible planning**
- Important to **involve stakeholders with local knowledge**
- Importance of **creative methods**
- Next steps:



Thank you

[www. sprout-civitas.eu](http://www.sprout-civitas.eu)

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