

La proximidad como reto para la sostenibilidad:

Mapping 15 mC Practices



Cecília Silva

ccsilva@fe.up.pt

Accessibility and Mobilities

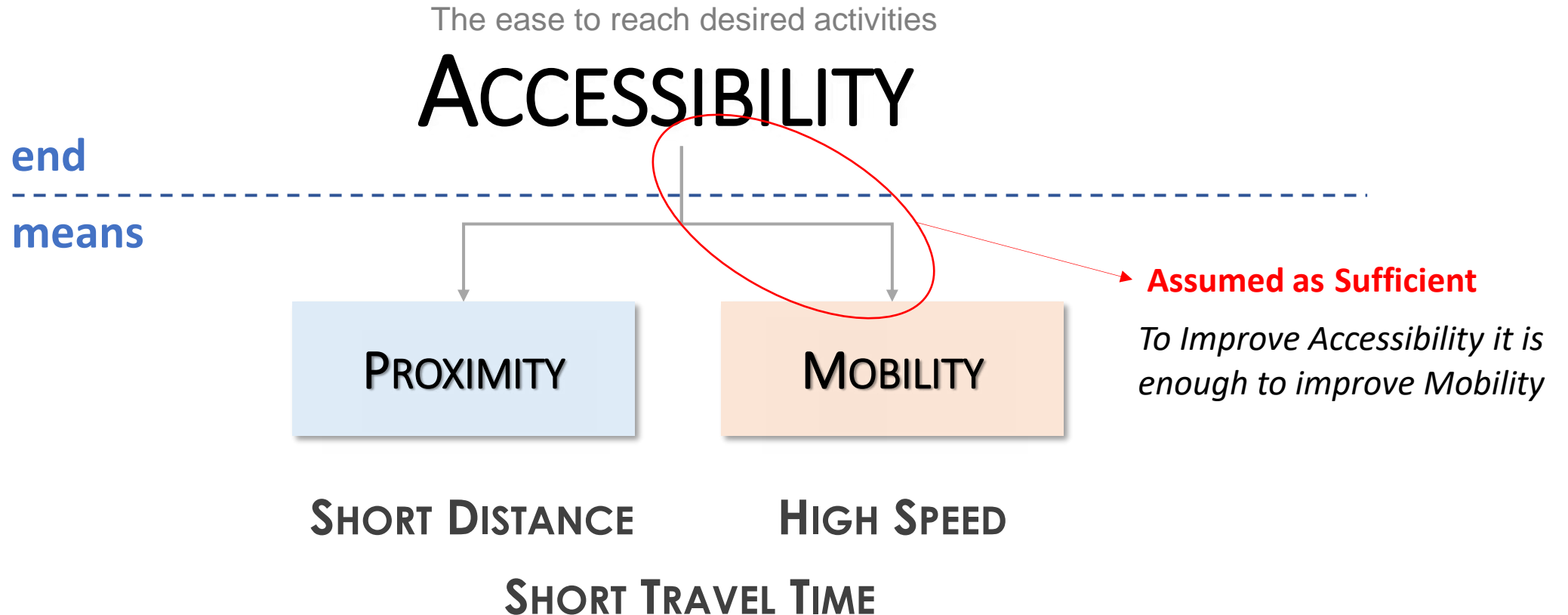


Citta
FEUP UNIVERSITY OF PORTO
FCTUC UNIVERSITY OF COIMBRA

XXI JORNADA TÉCNICA
OBSERVATORIO DE LA MOVILIDAD METROPOLITANA

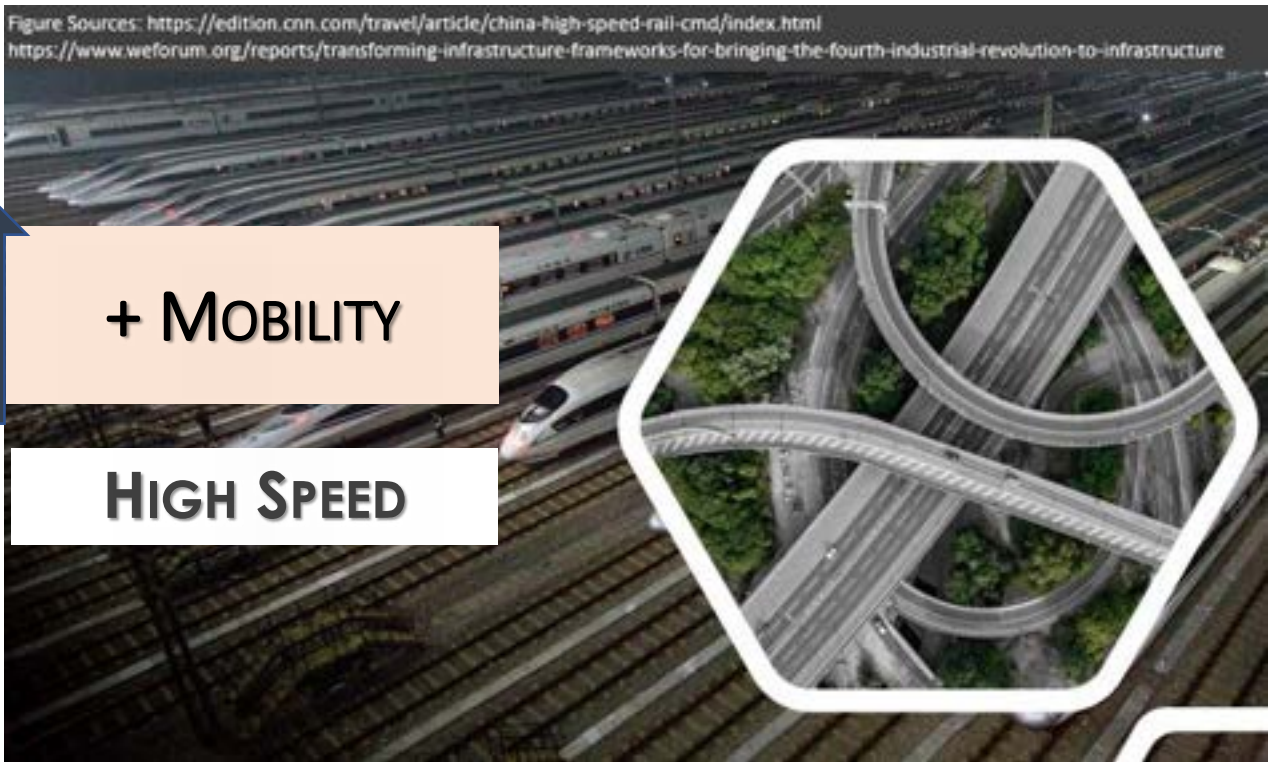
UNDERSTANDING PROXIMITY

Levine et al. (2012)



MORE MOBILITY ≠ MORE ACCESSIBILITY

Negative Feedback loop Silva and Altieri (2022)



MORE MOBILITY ≠ MORE ACCESSIBILITY

Negative Feedback loop Silva and Altieri (2022)



MORE ACCESSIBILITY OR MORE CAR-DEPENDENCY ?

UNDERSTANDING PROXIMITY

Levine et al. (2012)

The ease to reach desired activities

ACCESSIBILITY

end

means

ENABLES SUSTAINABLE MODE CHOICES

INCLUSIVE ACCESSIBILITY

LIVEABLE CITY

PROXIMITY

MOBILITY

SHORT DISTANCE

HIGH SPEED

SHORT TRAVEL TIME

10-minute Town 20-minute City 1-minute City
Healthy Neighbourhoods

15-minute Neighbourhoods

15-minute Community Life Circle/Cycle

10-minute City
Community of Communities

Walking City

15-minute City

Proximity City

10-minute Neighbourhoods
10-minute Region

Superblock

Walkable Neighbourhoods

20-minute Neighbourhoods

Liveable Neighbourhoods

15-minute City

20-minute Town

Complete Communities

Complete Neighbourhoods



Mapping of 15-minute City practice

- | TUM | Benjamin Büttner, Sebastian Seisenberger, Bartosz McCormick
- | ICS | Cecília Silva, João Filipe Teixeira
- | UoW | Enrica Papa, Mengqiu Cao

MAPPING THE 15mC

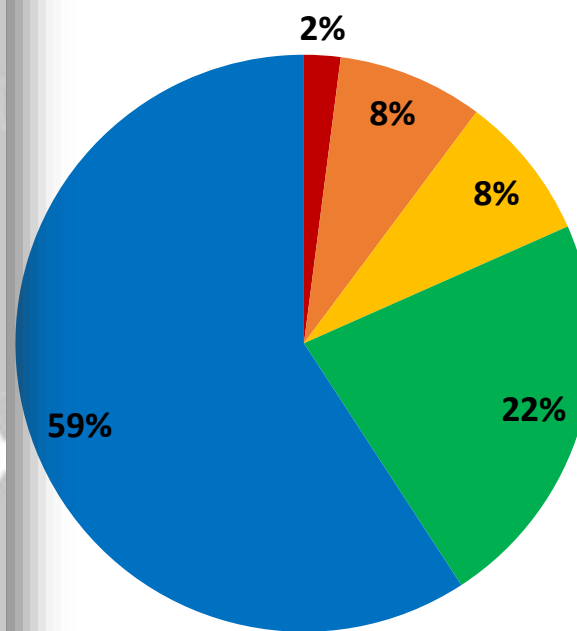
94 15mC



MAPPING THE 15mC

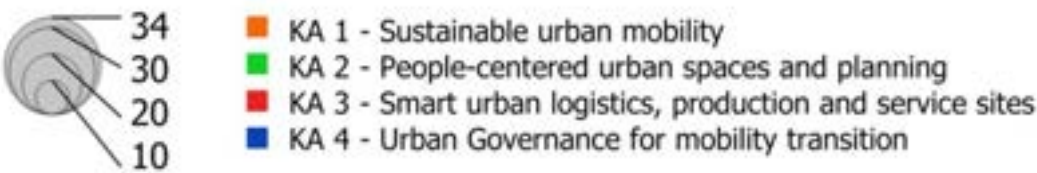
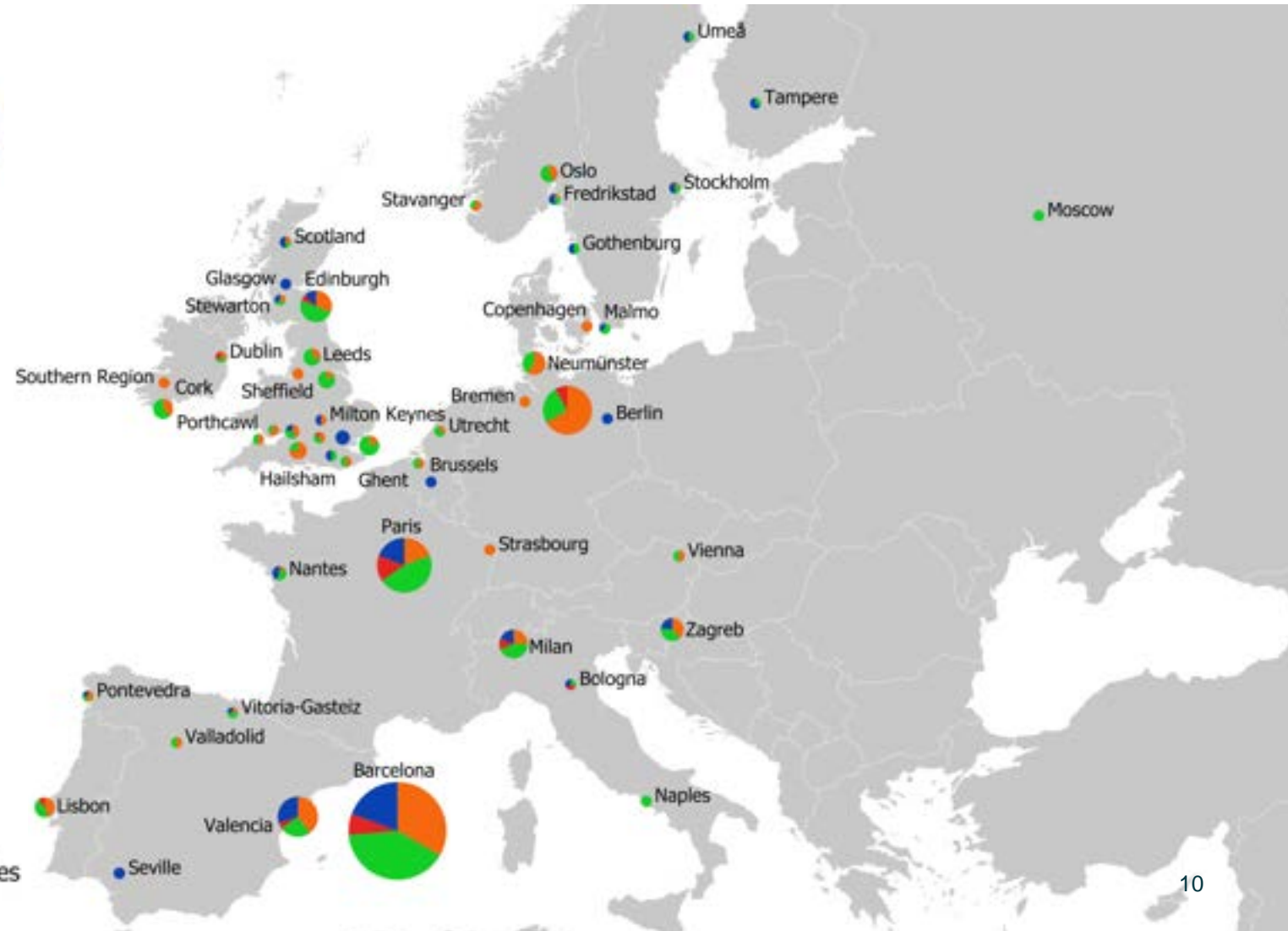
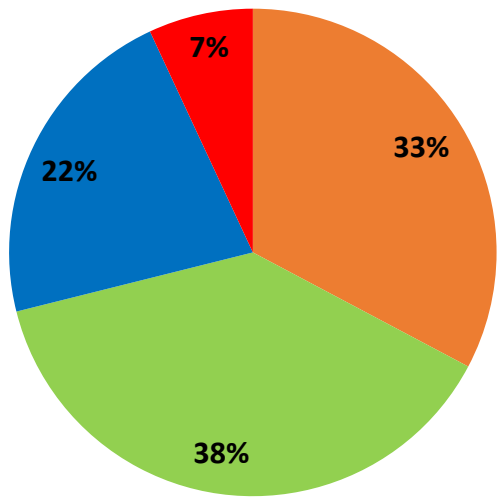


**94 15mC
>400 praticas**



- South America
- Oceania
- Asia
- North America
- Europe

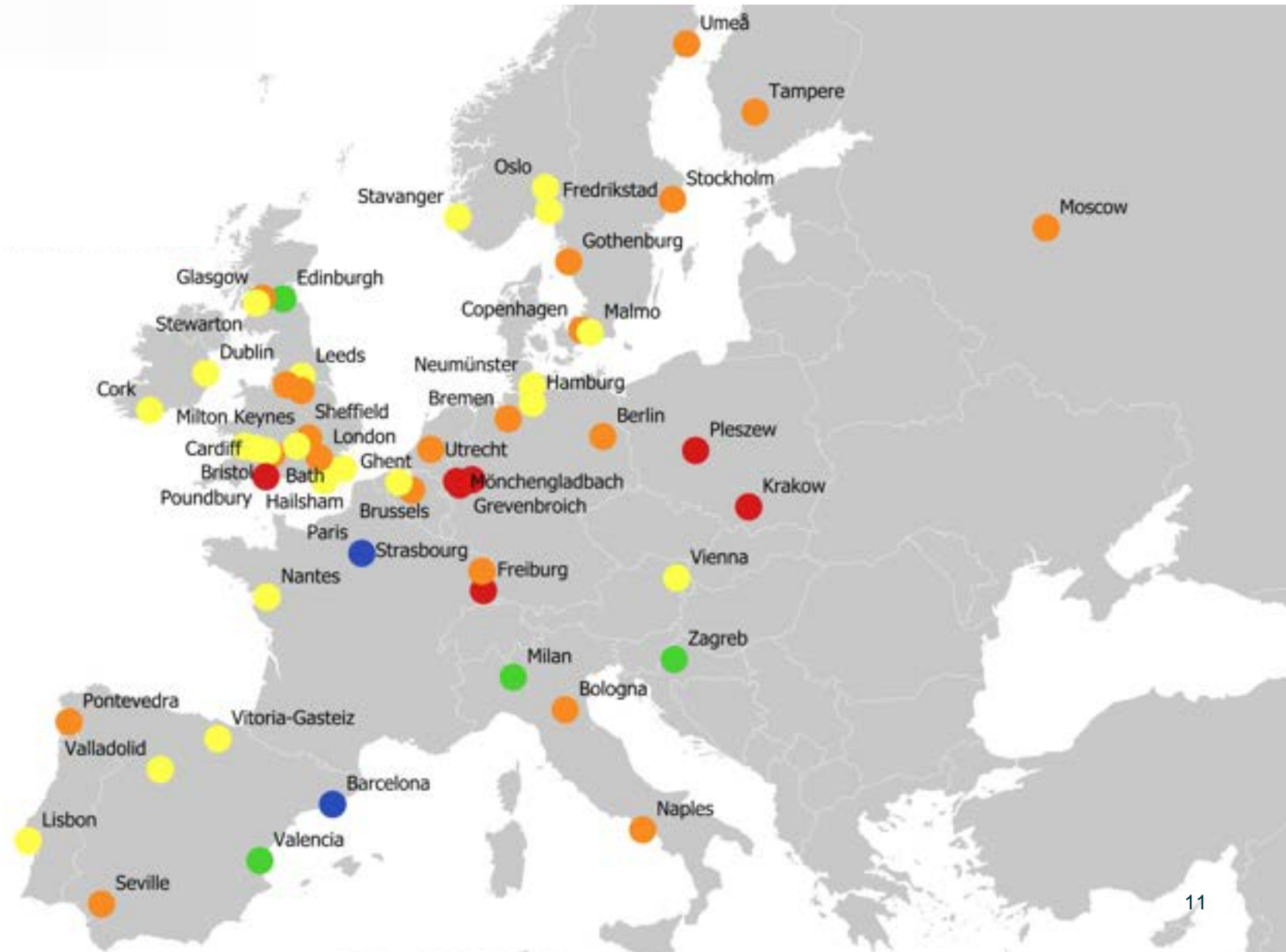
MAPPING THE 15MC



MAPPING THE 15mC

Innovation Diffusion Typologies (Europe)

15mC Typologies		%
C1 - Innovators	●	4%
C2 - Early Adopters	●	7%
C3 - Early Majority	●	39%
C4 - Late Majority	●	38%
C5 - Aspiring Newcomers	●	13%



BEST PRACTICE

Paris

Les course Oasis

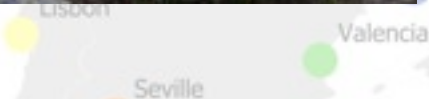
<https://www.caue75.fr/oasis/a-propos>

<https://www.paris.fr/pages/les-cours-oasis-7389>



C4 - Late Majority 

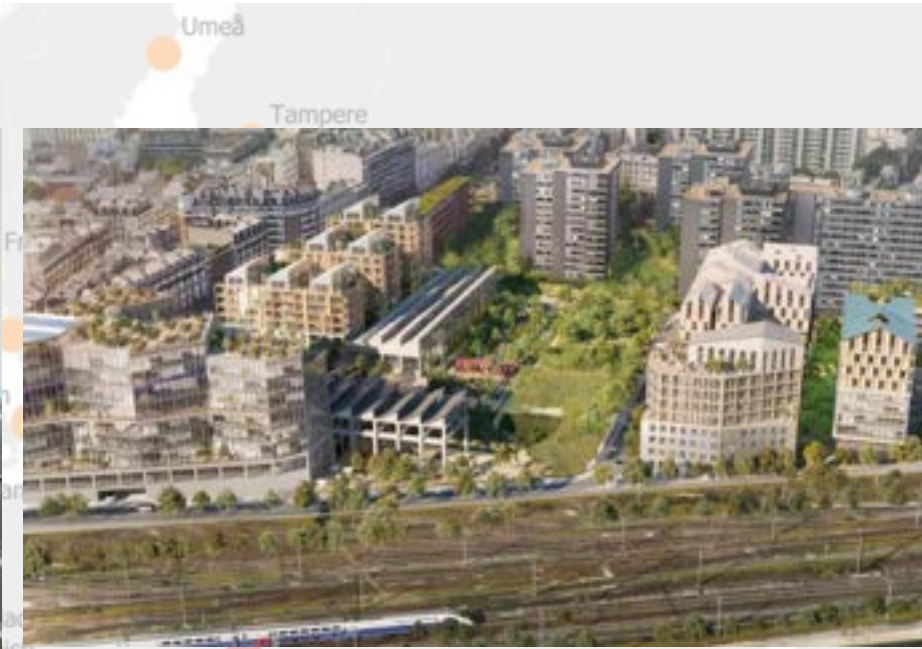
C5 - Aspiring Newcomers 



BEST PRACTICE

Paris

<https://www.archdaily.com/924482/old-central-railway-transformed-into-socially-sustainable-urban-development-in-paris>



BEST PRACTICE

Paris

<http://www.sortirdeparisavelo.fr/blog/2015/07/quand-pompidou-arrete-de-respirer/>

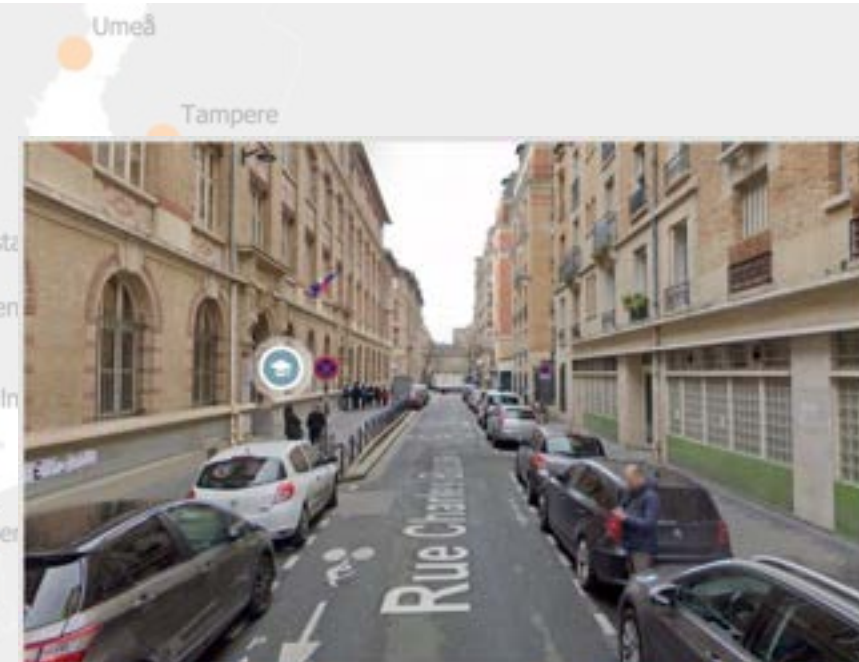
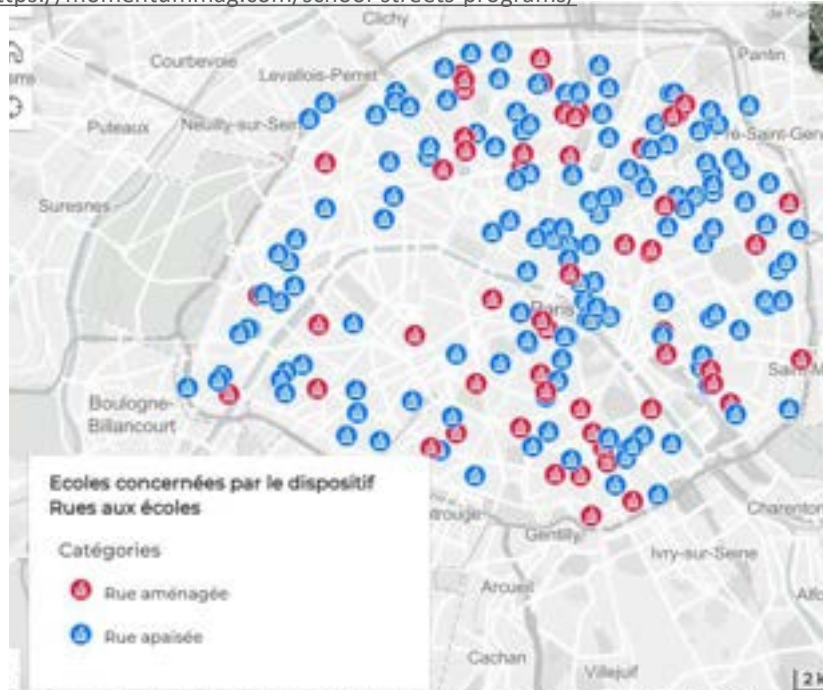


BEST PRACTICE

Paris

https://www.linkedin.com/posts/cbrunlett_paris-aims-to-have-300-school-streets-completed-activity-7176839531734695936-Lpaa/

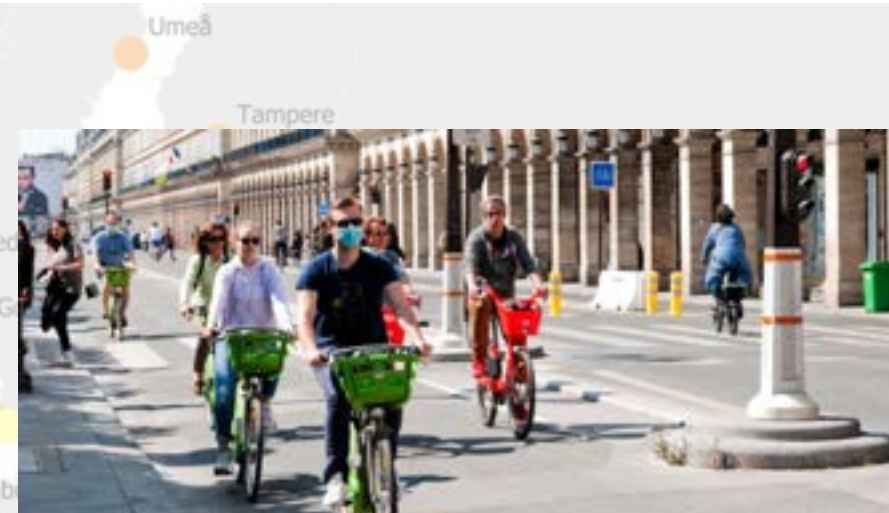
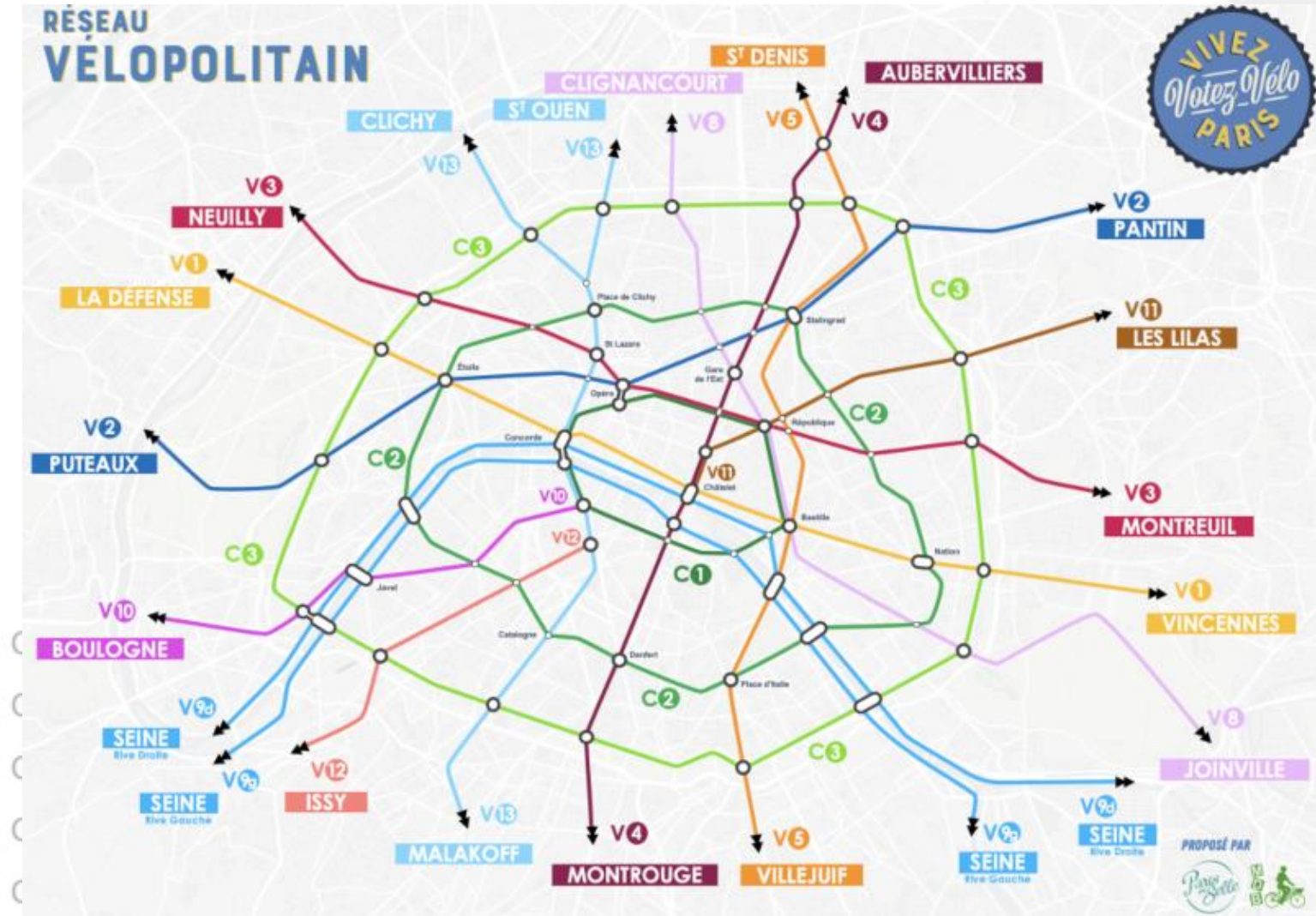
<https://momentummag.com/school-streets-programs/>



BEST PRACTICE

Paris

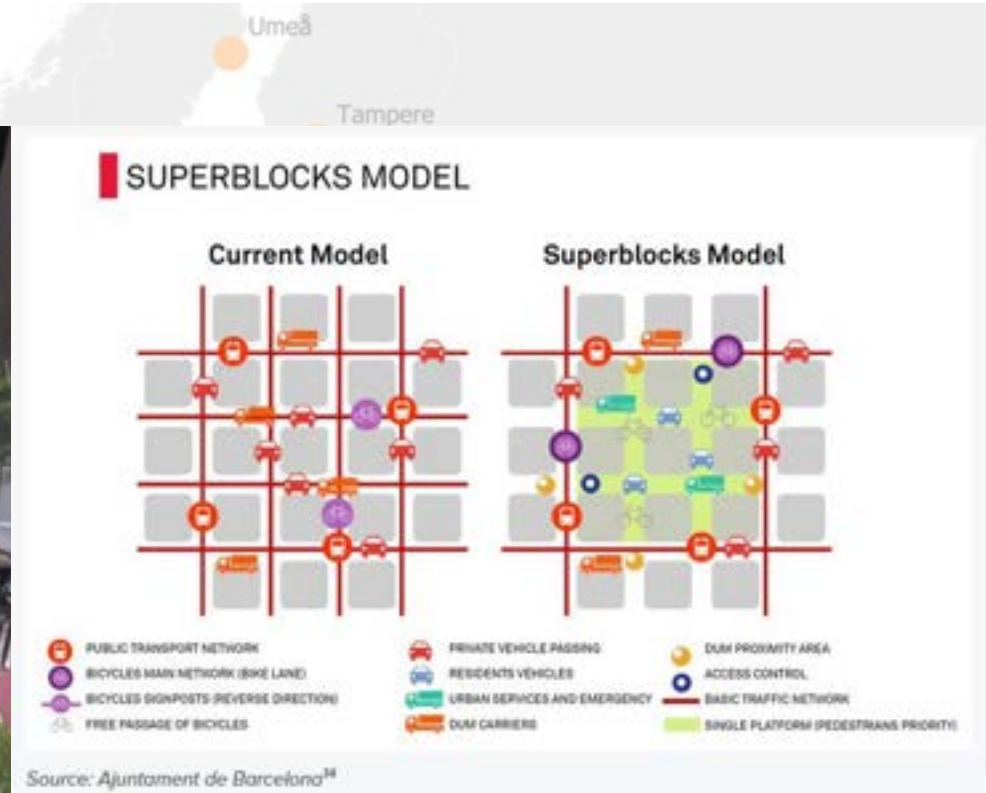
<https://ecf.com/news-and-events/news/ambitious-plan-will-make-paris-100-cycling-city-2026>



BEST PRACTICE

Barcelona

<https://www.bloomberg.com/news/articles/2018-08-07/inside-a-barcelona-superblock-pedestrians-rule>



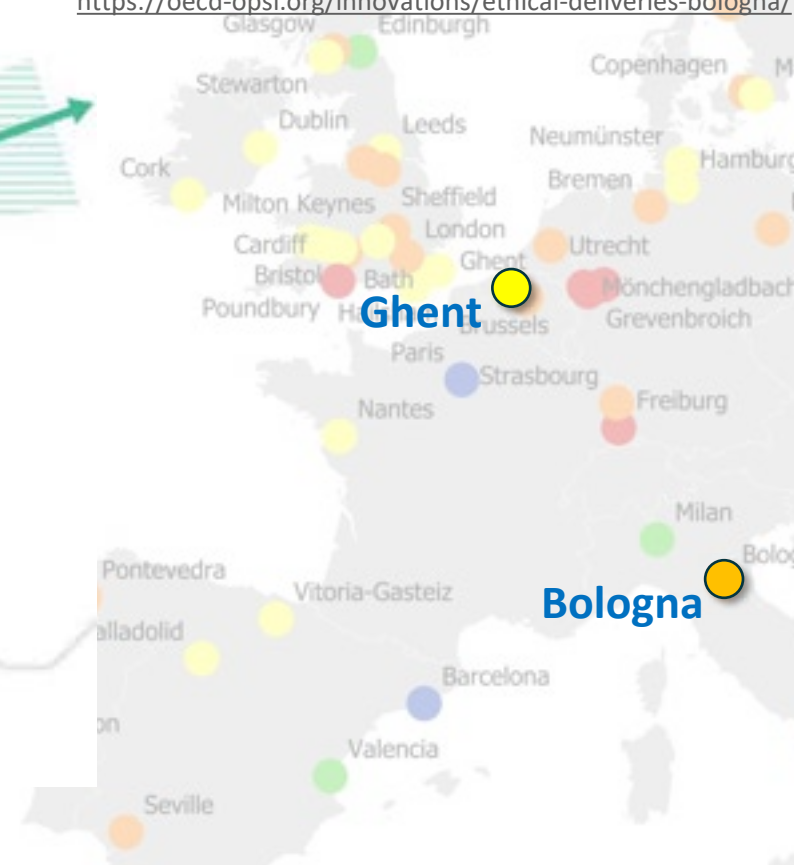
BEST PRACTICE



<https://oecd-opsi.org/innovations/ethical-deliveries-bologna/>



C5 - Aspiring Newcomers ●

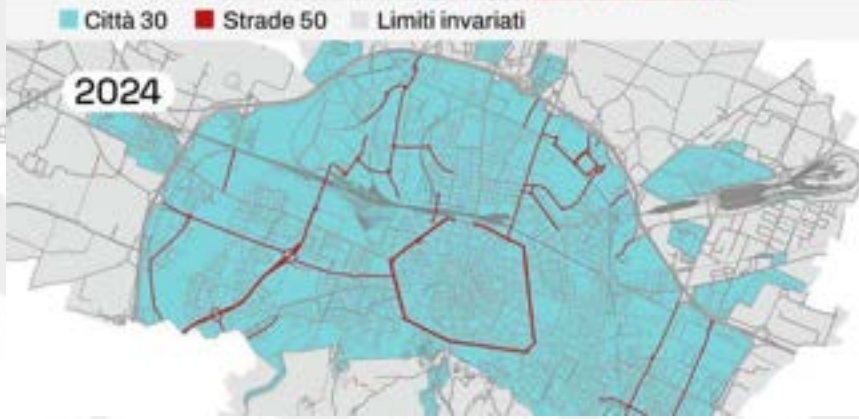


Umeå

Bologna è la prima grande città a 30 km/h d'Italia

Il Comune punta così a ridurre il traffico, combattere l'inquinamento e promuovere la mobilità sostenibile

● Città 50 ● Zone 30



MAPPING THE 15MC

Main Lessons

Best Practices

- Comprehensive Strategy
 - Land Use – Bring Urban Activities closer (avoid dispersion)
 - Transport – Pedestrian and Cycling Priority (slower, more inclusive modes)
 - Governance – Involve Citizens
- Radical

C1 - Innovators



C2 - Early Adopters



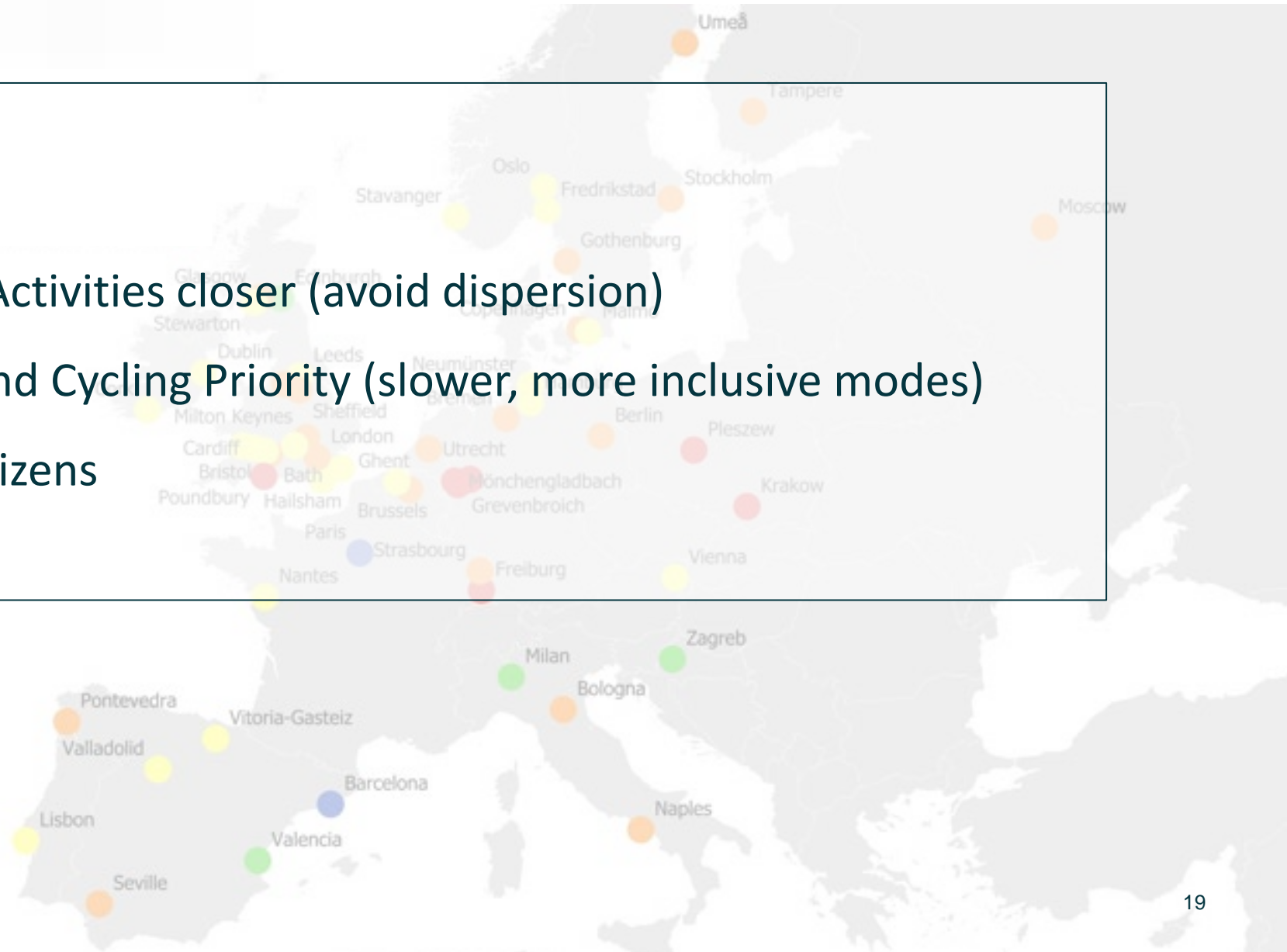
C3 - Early Majority



C4 - Late Majority



C5 - Aspiring Newcomers





DUT Driving Urban Transitions

Mapping of 15-minute City Practices

Overview on strategies, policies and implementation in Europe and beyond

Report from DUT's 15-minute City Transition Pathway



dutpartnership.eu
Driving Urban Transitions to a sustainable future

Co-funded by
the European Union

Further reading:

- Silva C, Altieri M (2022). Is Regional Accessibility Undermining Local Accessibility? Journal of Transport Geography (101). <https://doi.org/10.1016/j.jtrangeo.2022.103336>
- Silva C, Büttner B, Seisenberger S, Rauli A (2023). Proximity-centred Accessibility – a conceptual debate involving experts and planning practitioners. Journal of Urban Mobility (4). <https://doi.org/10.1016/j.urbmob.2023.100060>
- Silva C, Büttner B, Teixeira J, Seisenberger et al. (forthcoming) Proximity-centred Accessibility – a conceptual debate involving planning practitioners worldwide.



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