



Smart routes towards
climate-neutral cities
#CIVITAS2021

CIVITAS FORUM 2021

CIVITAS FLAGSHIP CONFERENCE
20-21 OCTOBER
AACHEN, GERMANY



Ministerium für Wirtschaft, Innovation,
Digitalisierung und Energie
des Landes Nordrhein-Westfalen



2020 EFRE.NRW
Investition in unsere Zukunft
Investitionsförderung für regionale Entwicklung



EUROPÄISCHE UNION
Investition in unsere Zukunft
Investitionsförderung für regionale Entwicklung

Urban Triple Access Planning

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Triple Access Planning
for Uncertain Futures

Approach

- A three-year pan-European project (May 2021- April 2024)
- Critically examining existing **urban mobility planning**
- Advancing guidance to **improve the resilience and adaptability** of sustainable urban mobility plans in the face of uncertainty
- Focusing upon the **tripartite contribution to accessibility** in our towns and cities of physical mobility, spatial proximity and digital connectivity

1 **Theory** – elaborating the conceptual model

2 **Practice** – review of existing SUMPs

3 **Design** – development of guidance

4 **Application** – case study cities

Consortium

Academic partners

University of the West of England, UK
Radboud University, Netherlands
Urban Planning Institute, Slovenia
KTH, Sweden
University of Cagliari, Italy



Case study city partners

- 1 Bristol City Council
- 2 Aberdeen City Council
- 3 Nijmegen City Council
- 4 City of Utrecht
- 5 City Municipality of Nova Gorica
- 6 Norrköping Municipality
- 7 Cagliari Metropolitan Council

National transport authority partners

Transport Scotland
Swedish Transport Administration

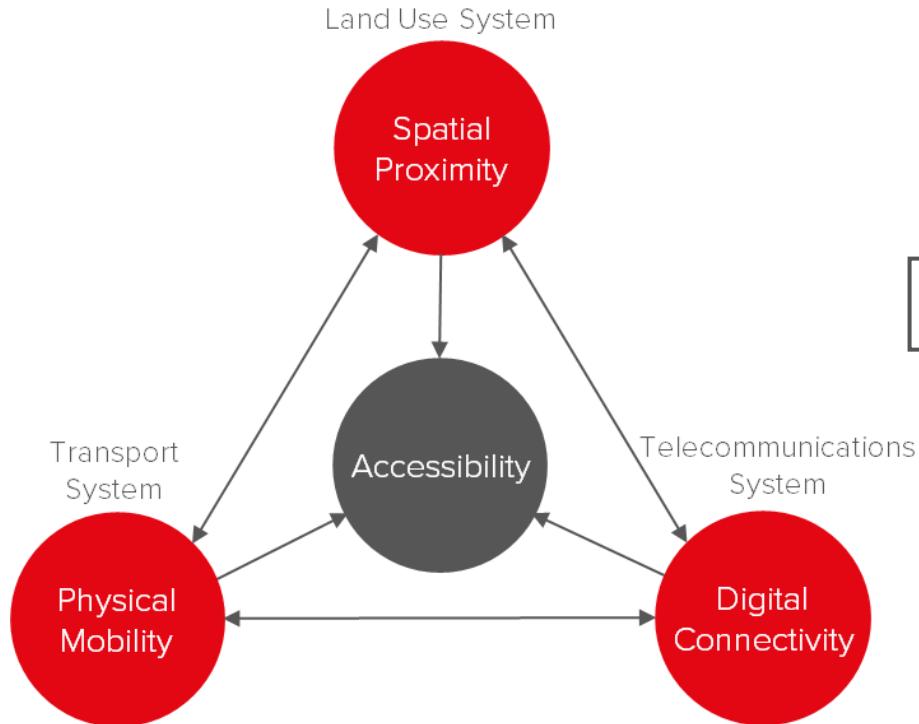
Consultancy partners

Mott MacDonald
MuConsult

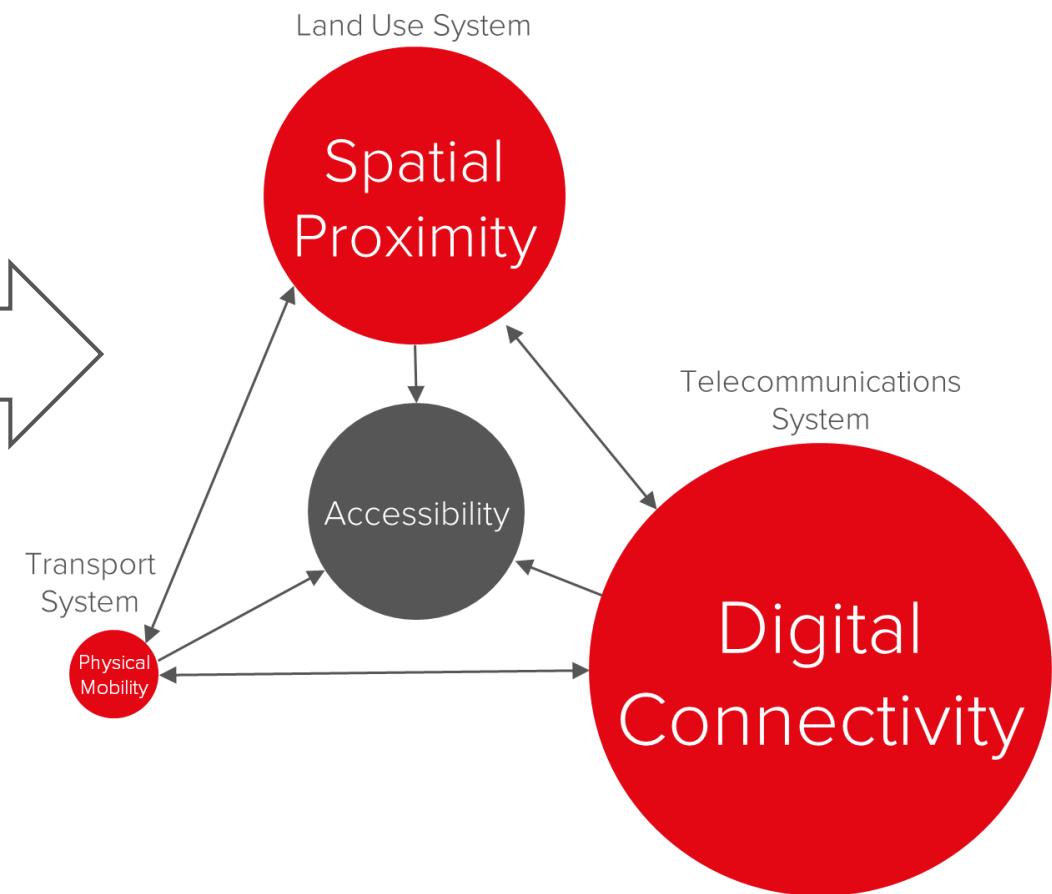
www.tapforuncertainty.eu



Shaping triple-access urban futures in the face of **uncertainty**



COVID-19

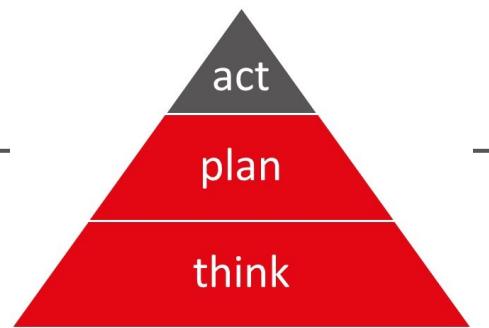


Lyons, G. and Davidson, C. (2016). Guidance for transport planning and policymaking in the face of an uncertain future. *Transportation Research Part A: Policy and Practice*, 88, 104-116. <http://dx.doi.org/10.1016/j.tra.2016.03.012>

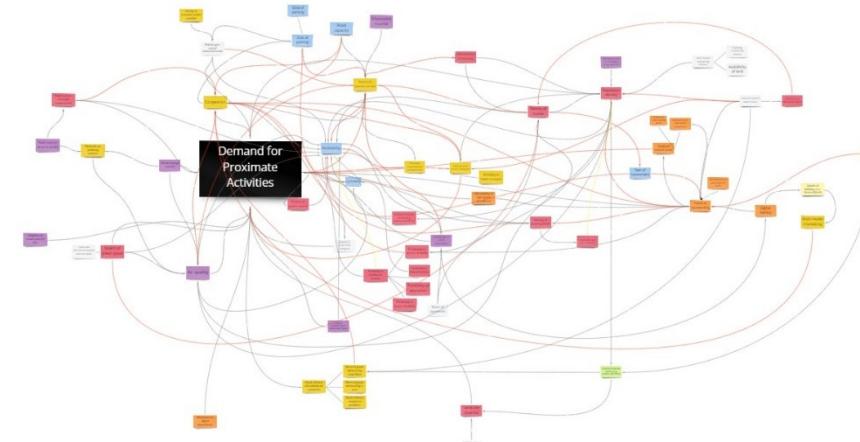
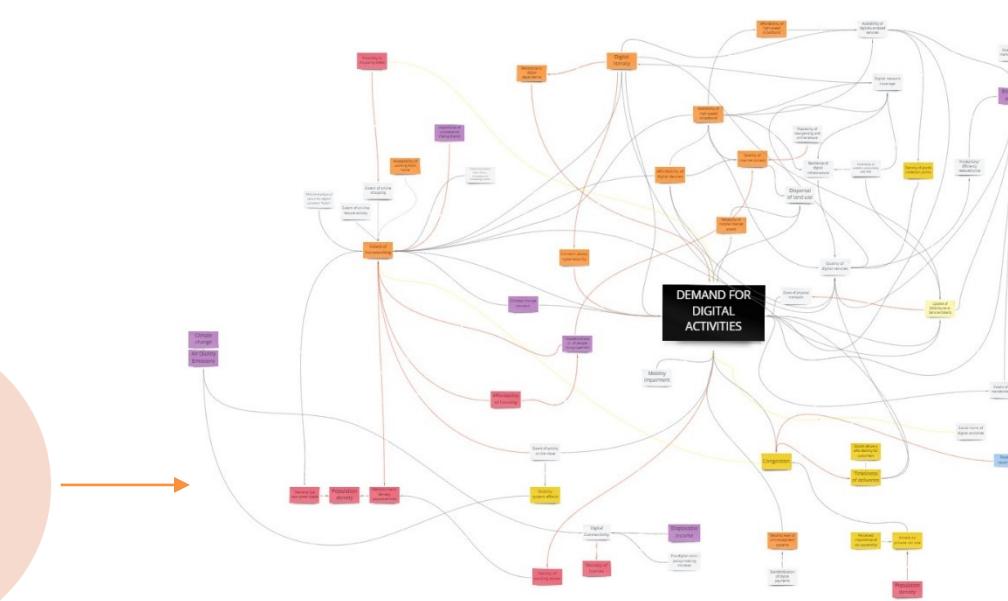
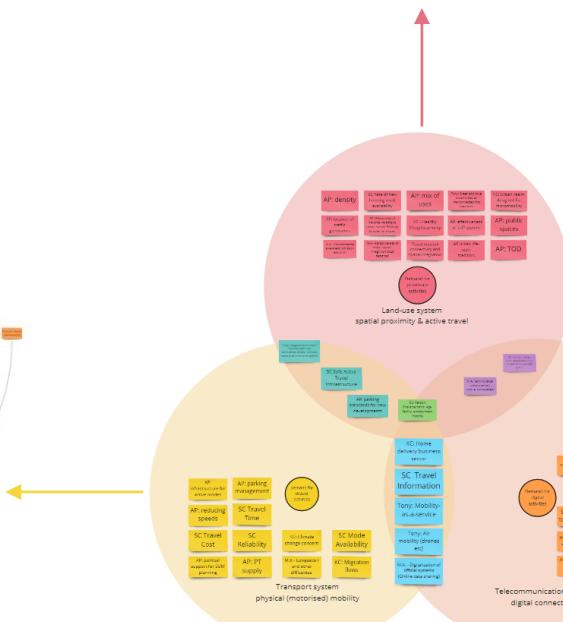
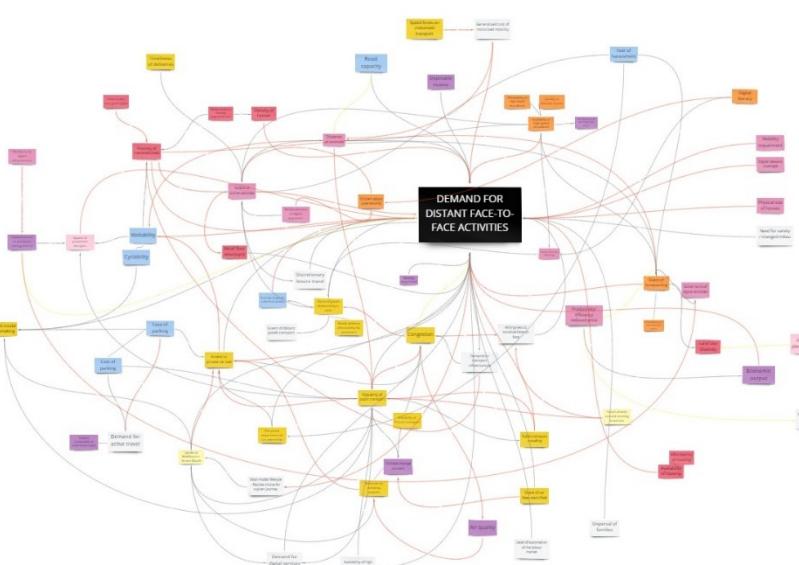


Systems thinking

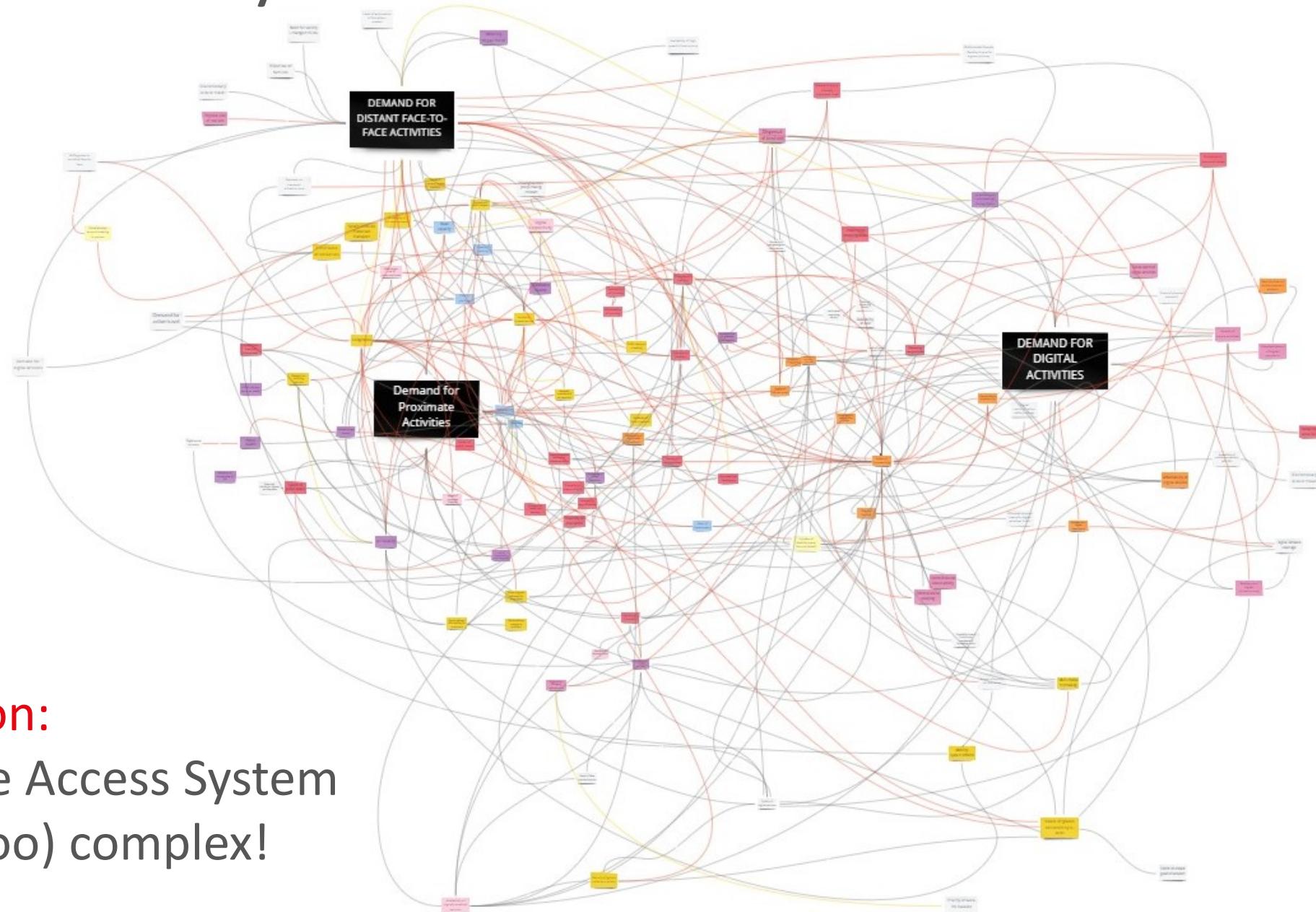
- 6 stakeholder engagement workshops to co-design the Triple Access System.
- 124 variables identified.
- 9 co-created causal loop diagrams.
- 9 critical uncertainties for future scenarios.



“What factors affect demand for access in a post-COVID more digitalised world?”



Triple Access System

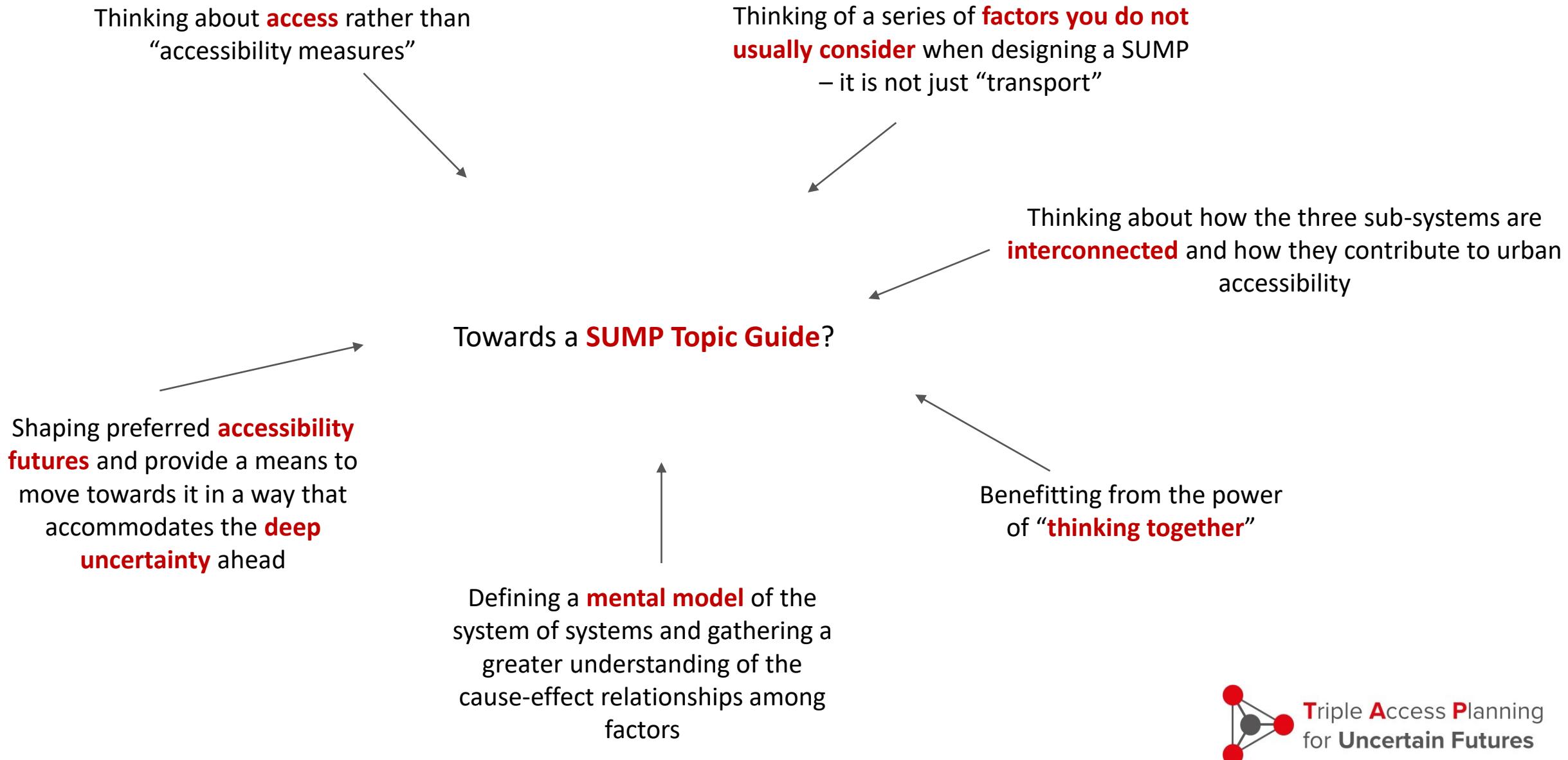


Conclusion:

The Triple Access System
is very (too) complex!

**Access Planning
certain Futures**

Systems thinking & SUMPs: what are the benefits of our approach?



Thanks!

Any questions?

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