LIVING LOCAL TO AMENITIES…

…DO IT EVERYWHERE

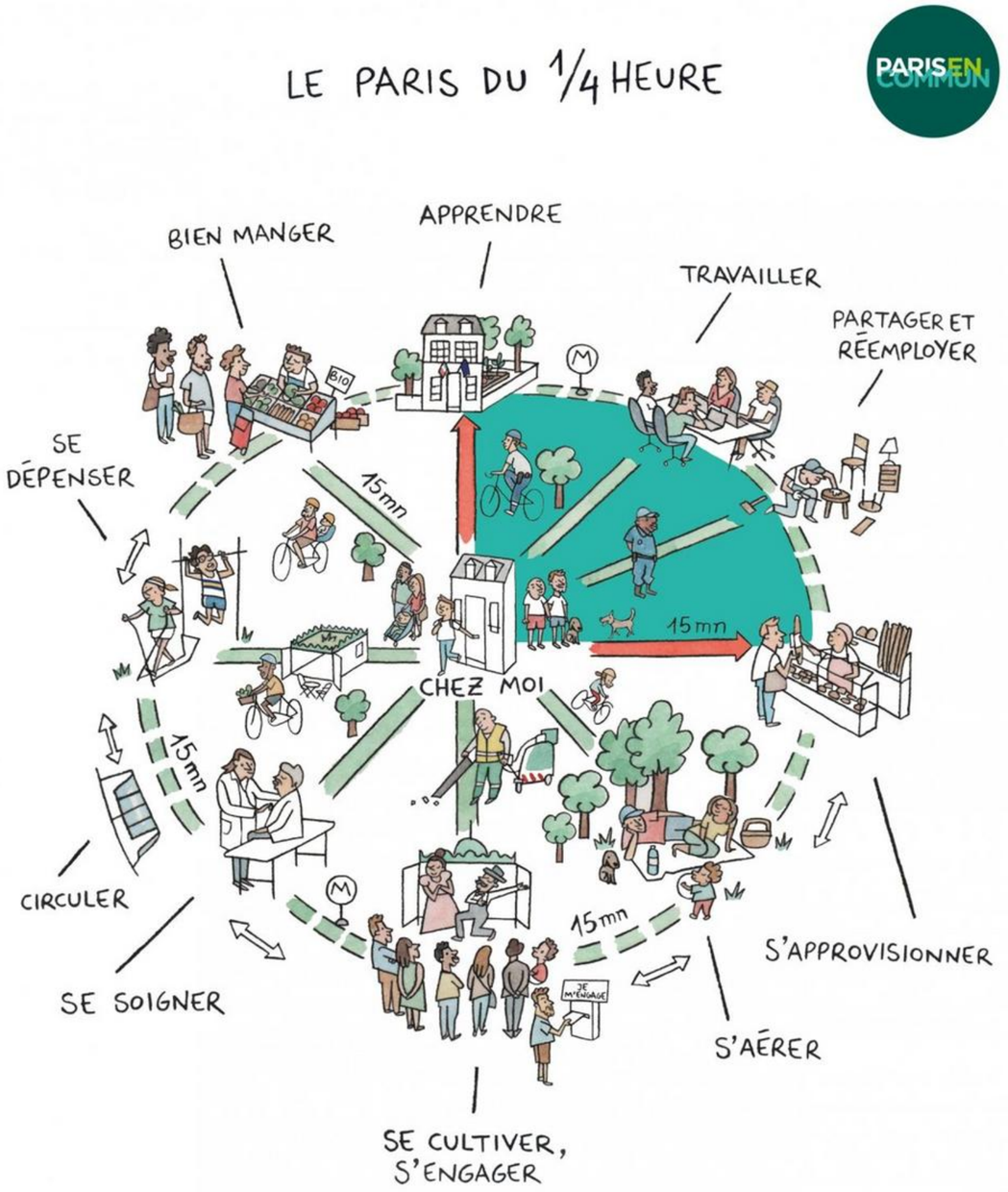
Who has heard of the...

15 Minute City?

20 Minute City?

10 Minute City?

5 Minute City?





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Evaluating X-Minute Cities for People Friendly Centres

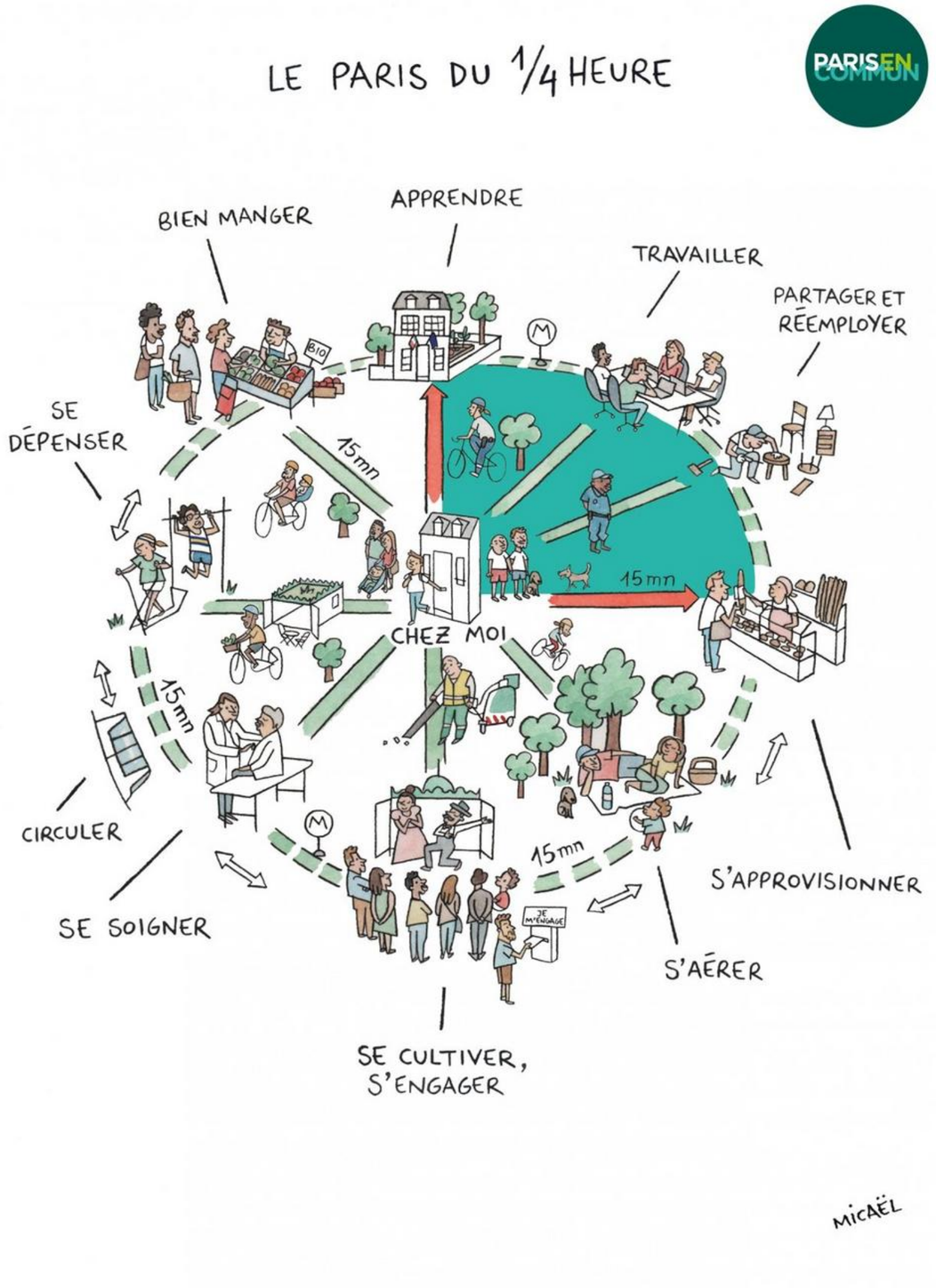
Becky Young (she/her) and Nick Reid (he/him)
GHD and ViaStrada



Concept

Residents have access to the things they need within 20/15/10/5.../X-minutes of their home.

Residents are able to meet most of their needs within a short walk of their home.



Benefits

- Direct climate action
- Public health measure
- Community activator





1. How do we measure the X-Minute City?

2. Does the X-Minute City Work?

3. Is it worth it?



How do we measure the X-Minute City?

Where did we start?







X-Minute City Statistics

- Percentage of residents within X minutes
- Maximum travel time
- Population weighted mean/median
- 90th percentile
- Inequality penalised mean (Equally-Distributed Equivalent)

Our publication includes:

- Advice on measuring x-minute
- Details on the tested statistics (approaches)
- Further discussion on the challenges

Cities 131 (2022) 103924

Contents lists available at ScienceDirect

Cities

journal homepage: www.elsevier.com/locate/cities



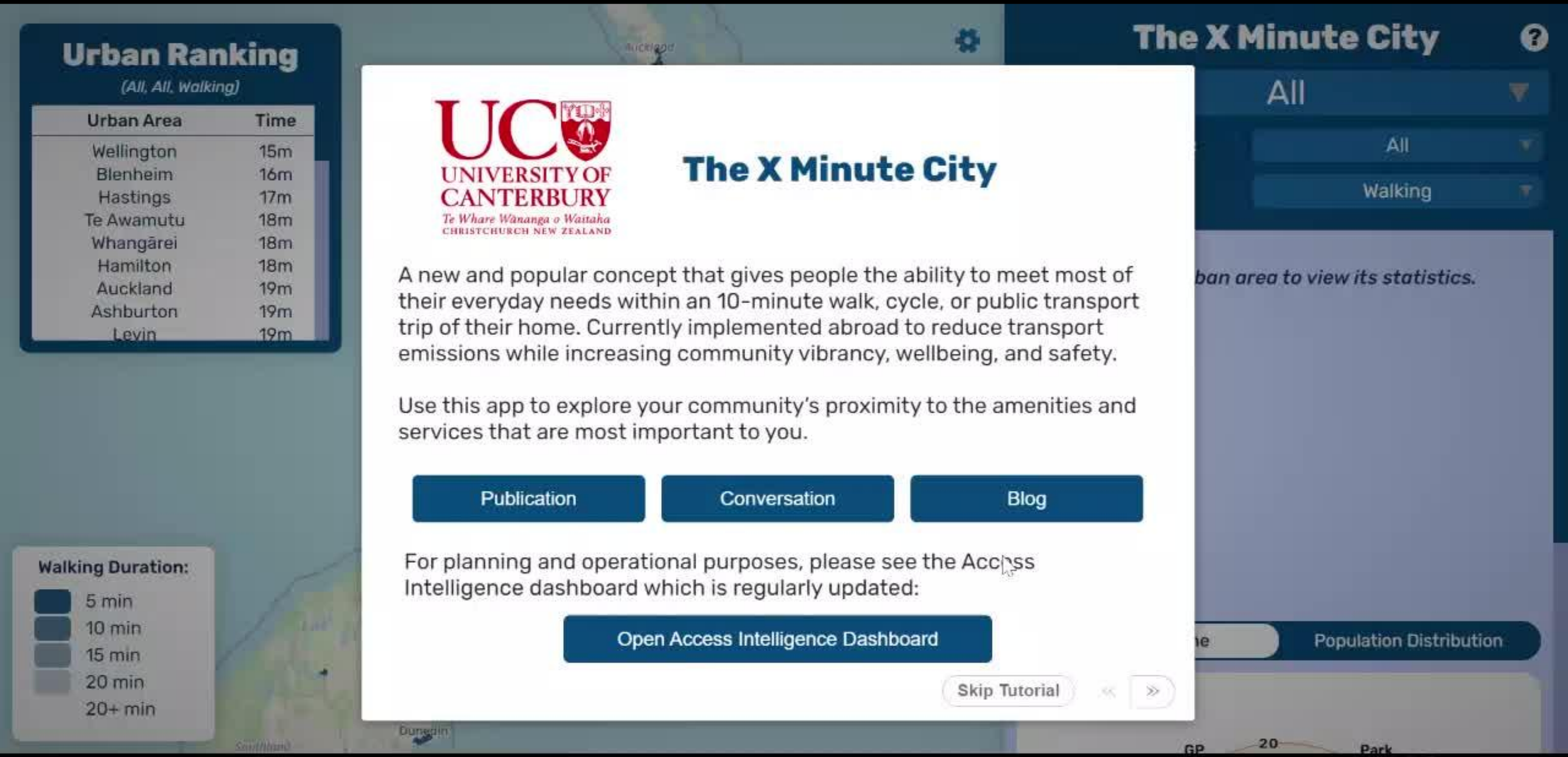
Check for updates

The x-minute city: Measuring the 10, 15, 20-minute city and an evaluation of its use for sustainable urban design

T.M. Logan [a, b, *], M.H. Hobbs [a, c, d], L.C. Conrow [a, c], N.L. Reid [a, b], R.A. Young [a, b], M.J. Anderson [a, b]

What you measure, matters

People have different needs!



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CHRISTCHURCH NEW ZEALAND

The X Minute City

A new and popular concept that gives people the ability to meet most of their everyday needs within an 10-minute walk, cycle, or public transport trip of their home. Currently implemented abroad to reduce transport emissions while increasing community vibrancy, wellbeing, and safety.

Use this app to explore your community's proximity to the amenities and services that are most important to you.

Publication | Conversation | Blog

For planning and operational purposes, please see the Access Intelligence dashboard which is regularly updated:

Open Access Intelligence Dashboard

Skip Tutorial « »

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Suburb Ranking

(All, Tauranga, Walking)

Pyes Pa South	28m
Brookfield West	28m
Papamoa Beach South	29m
Palm Beach North	29m
Kaitemako (Tauranga City)	29m
Judea	30m
Te Reti	31m
Hairini	31m

Walking Duration:

- 5 min
- 10 min
- 15 min
- 20 min
- 20+ min

The X Minute City

Tauranga

Amenity/Service: All

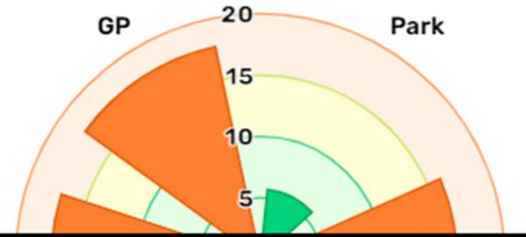
Mode: Walking

On average, for walking to all amenities, Tauranga is a **20 minute city.**

9% of residents live within a 10 minute walk of all amenities.

Tauranga's least accessible amenity by walking is **a GP.**

Tauranga Travel Time | Population Distribution



Does the X-Minute City work?

"Any arbitrary goal set by planners is unlikely to be aligned with what people will accept, or consider feasible"

How long would you walk to your nearest...



Supermarket?



School?



Pharmacy?

Proximity doesn't necessarily equal access







* Will people actually walk?

* Acceptable travel times vary by amenity

* Proximity to amenities doesn't equal access

THRESHOLD (5,10,15,20) BASED APPROACH



Will a lack of ambition make it harder in the future to do better?

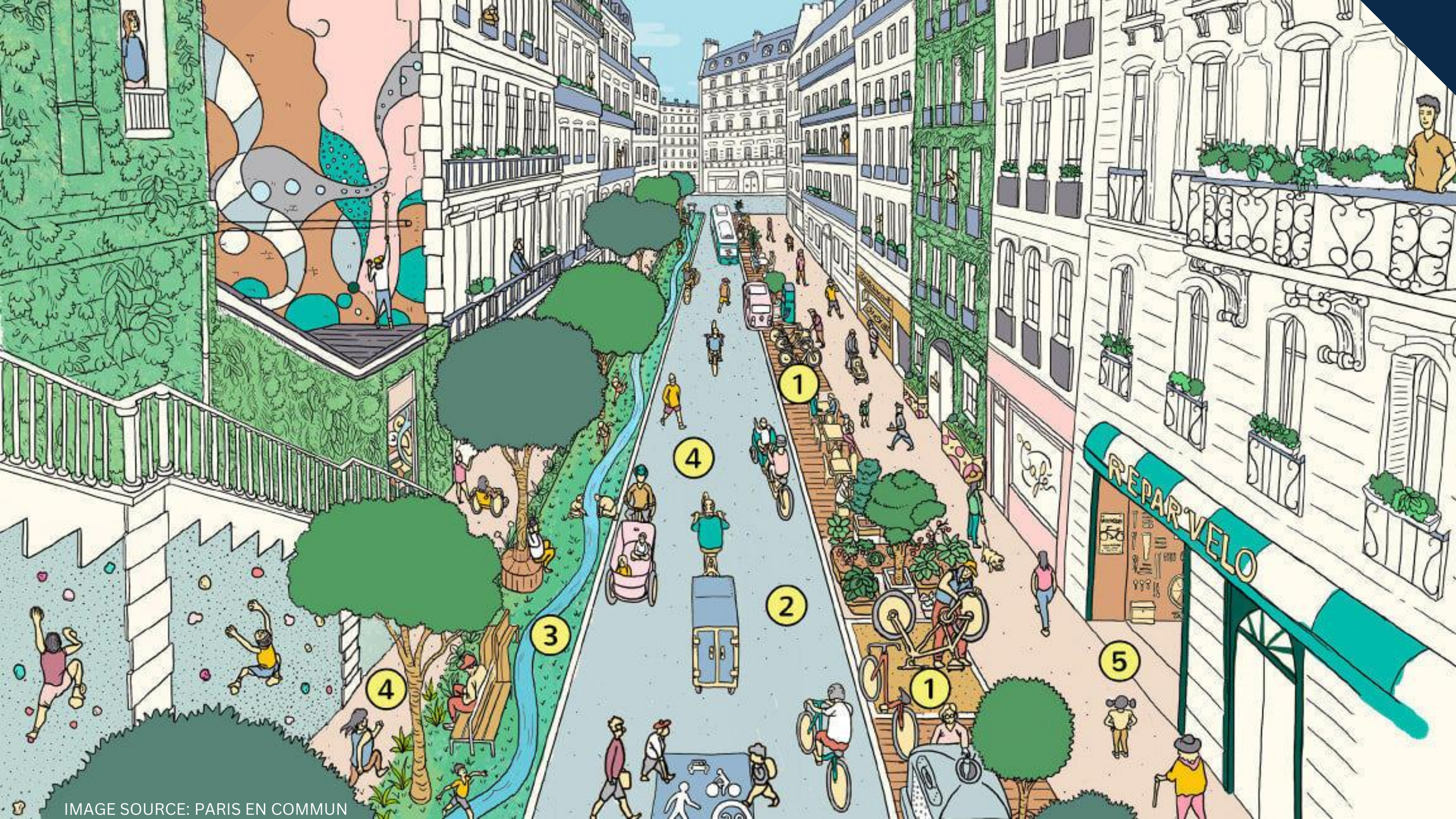


IMAGE SOURCE: PARIS EN COMMUN


THE NOOK
downstairs
COME ON IN!
NEW REGENT
CHICKEN&
BREAD
BOARDS

So you want to be an 15-Minute City?

It might be better to actually make our towns and cities...

as accessible as possible.

Explore the NZ results:

https://research.uintel.co.nz/x-minute-city/

WEB

urbanintelligence.co.nz

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