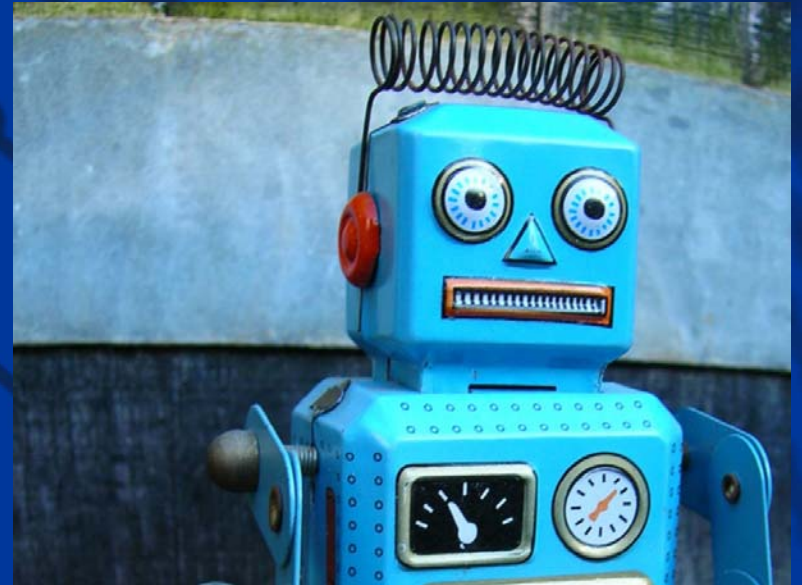


Transport Planning in a Technology Ecosystem

MATT ENSOR

BUSINESS DIRECTOR - ADVISORY

ENZ TG 2018





**We are on the cusp of a
transport revolution.**

IPENZ TG Conference 2017





How do transport planners
enable the transport revolution?

An earlier transport transformation...

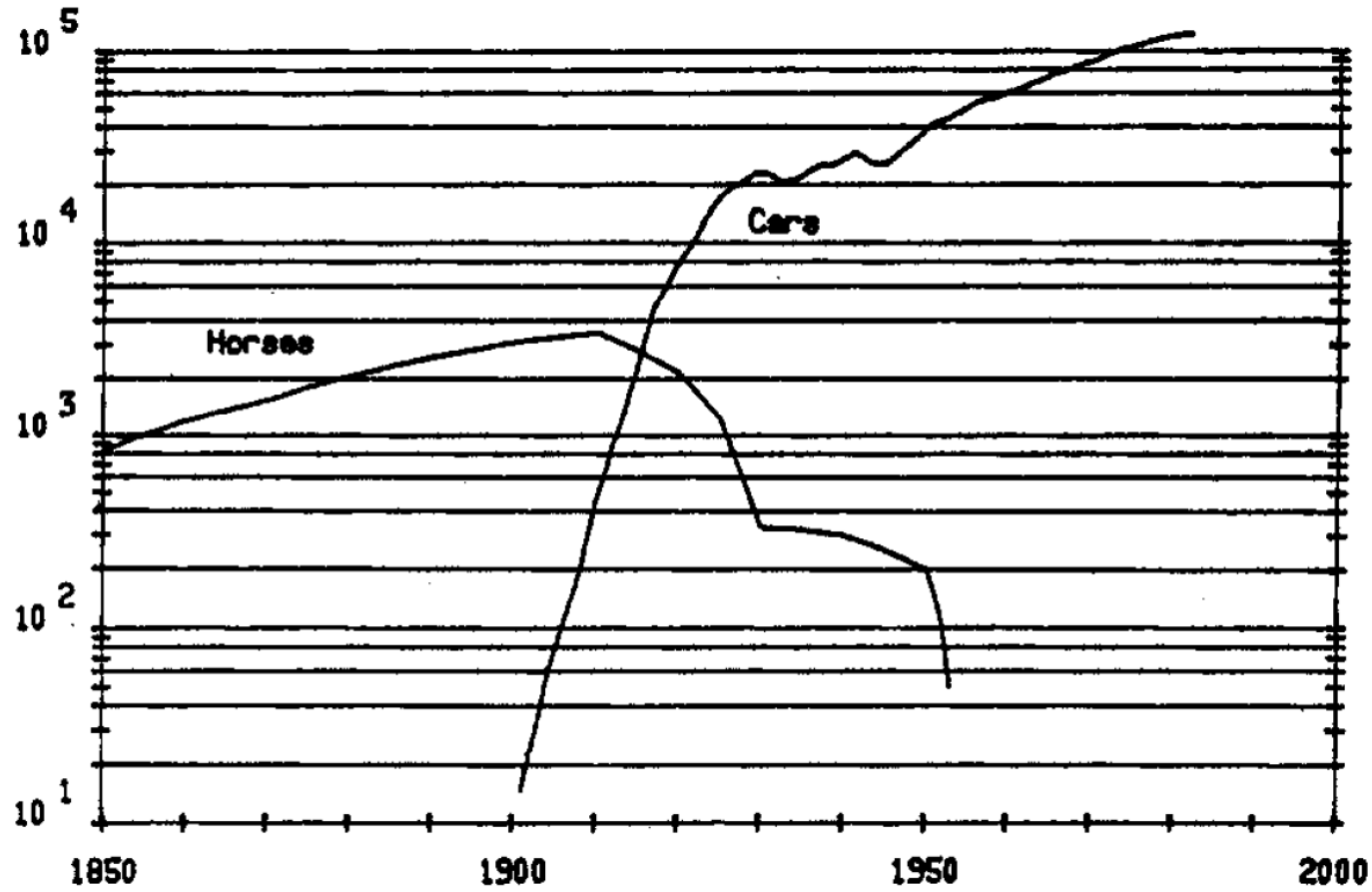
Easter morning 1900: 5th Ave, New York City. Spot the automobile.



Source: US National Archives.

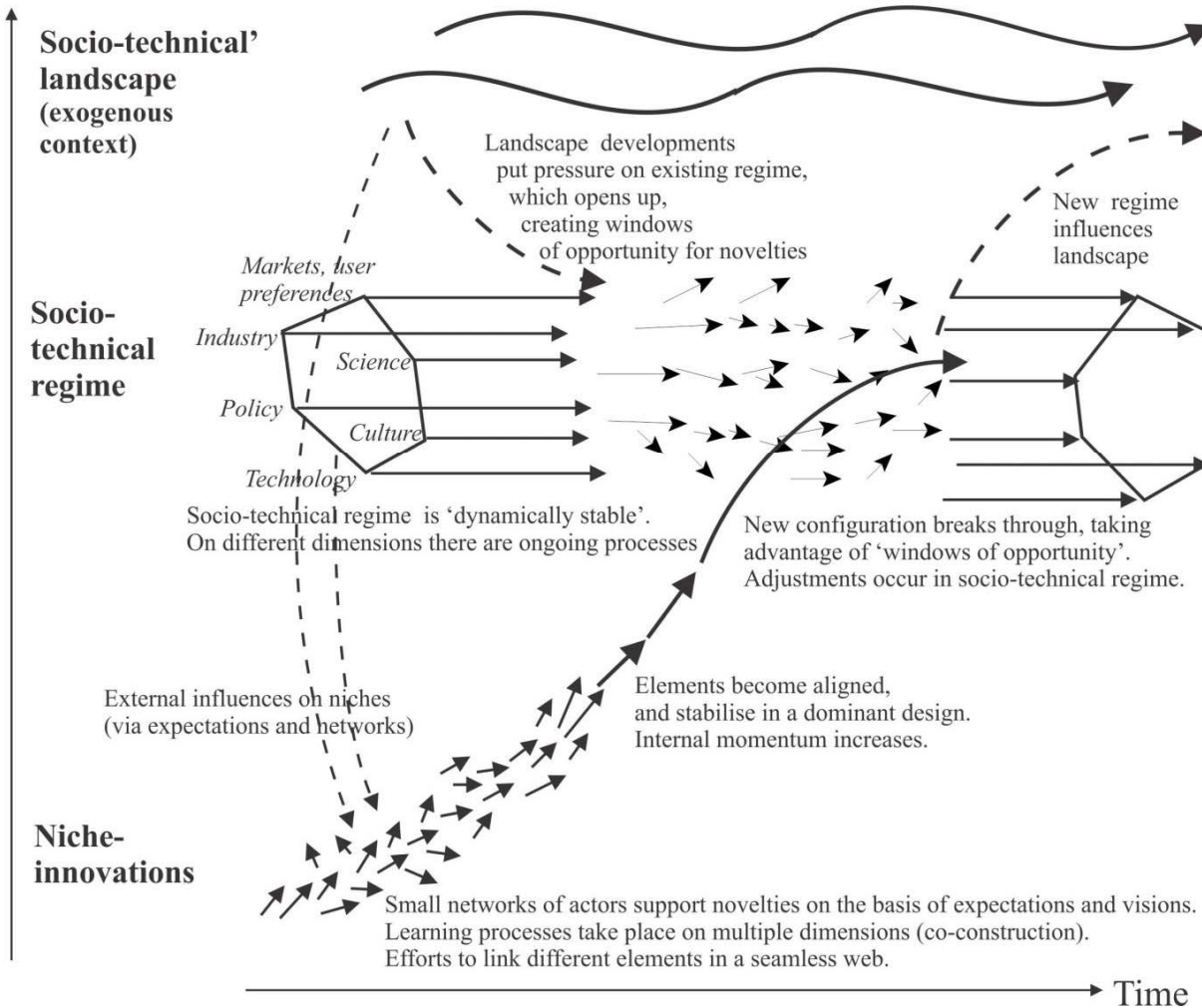
Figure 1: The Transformation of Transport in New York City (1900-1913)

1000 Units



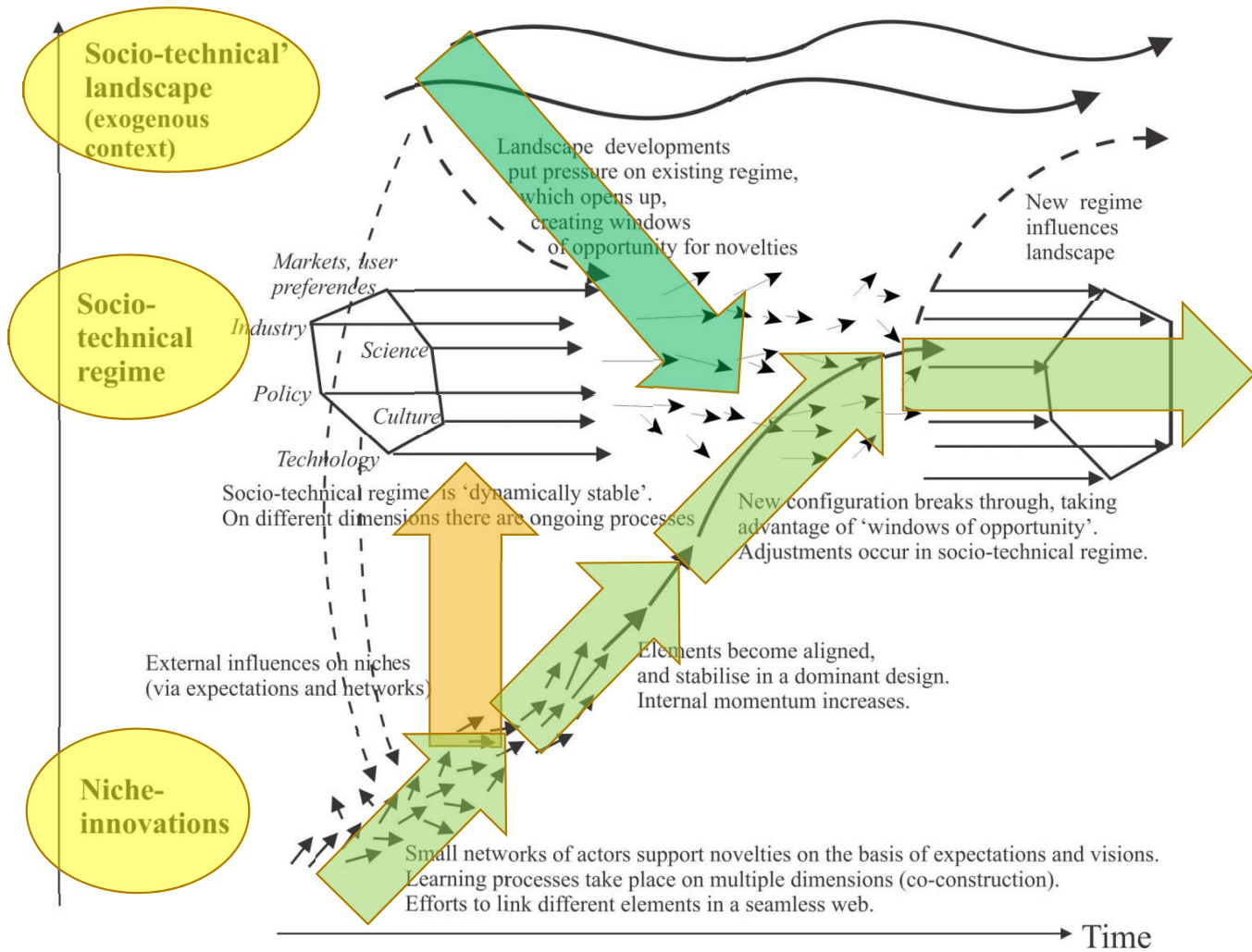
USA

Increasing structuration
of activities in local practices



Geels (2005)

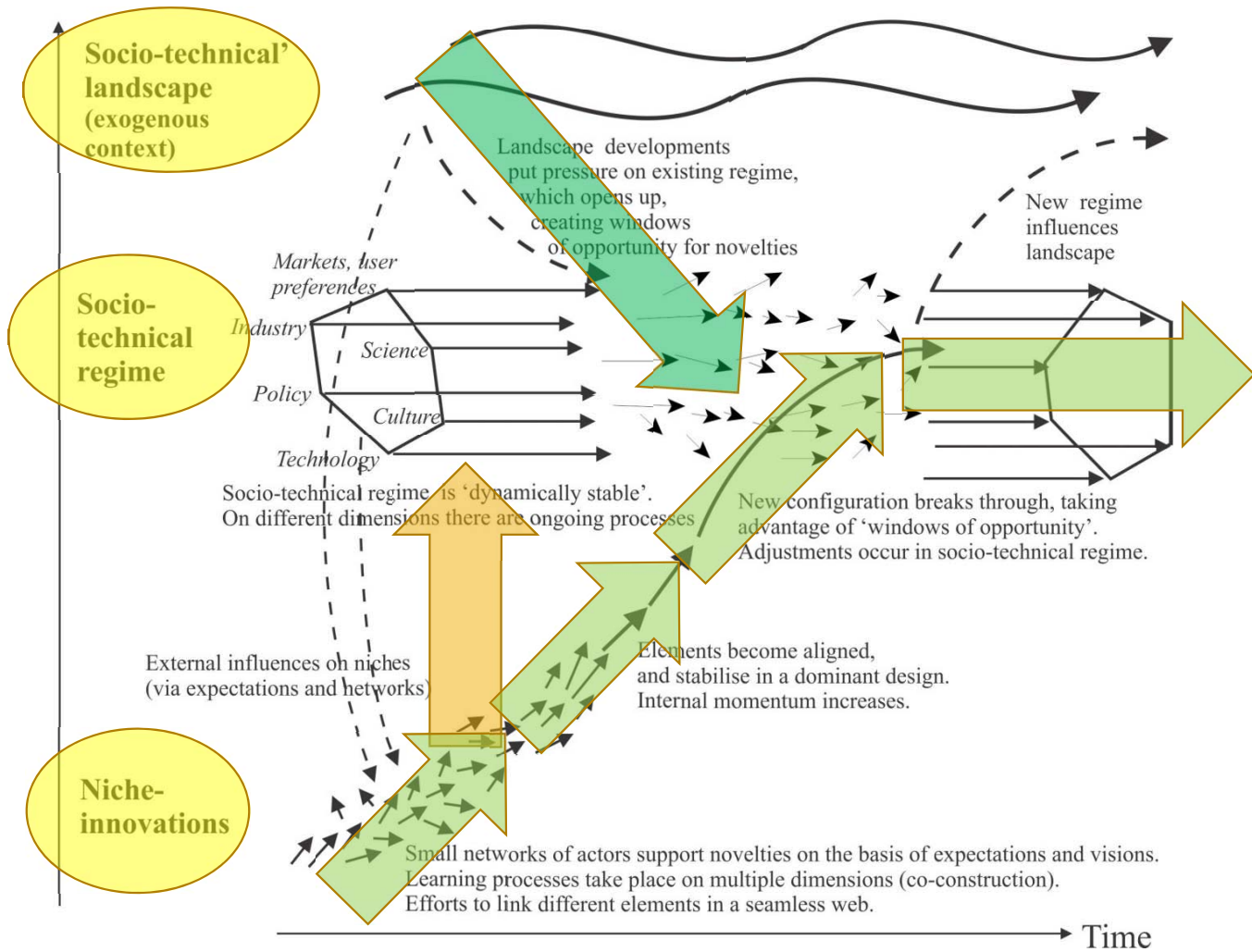
Increasing structuration
of activities in local practices



Geels (2005)



Increasing structuration of activities in local practices



Matthew Yglesias ✓
@mattyglesias



I rode to work on an electric dockless scooter-share and I don't even know who I am anymore or what's real.

2:09 AM - Mar 16, 2018



ELECTRICITY MAY BE THE DRIVER. One day your car may speed along an electric super-highway, its speed and steering automatically controlled by electronic devices embedded in the road. Highways will be made safe—by electricity! No traffic jams... no collisions... no driver fatigue.



Taras Grescoe
@grescoe



"Driverless cars are coming. So don't build..."

1. Bike lanes
2. Commuter rail
3. Bus Rapid Transit
4. Subways
5. Any transit at all, really

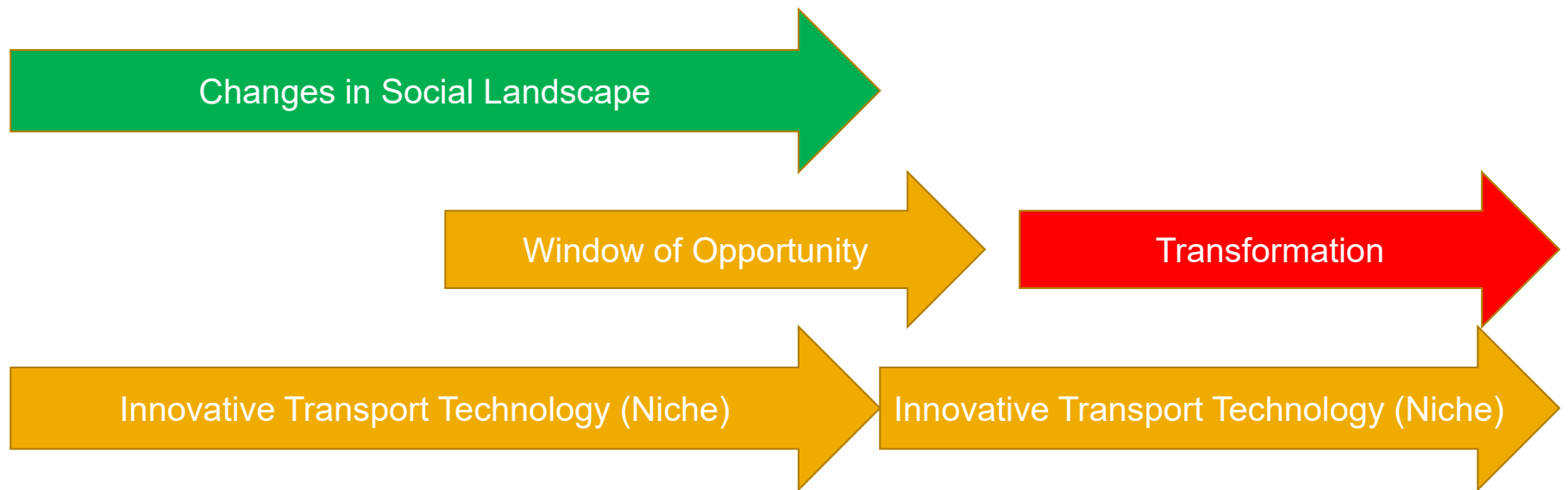
7:49 AM - Sep 30, 2017

Figure 3: "Driverless cars are coming"



Figure 4: Will Technology finally drive the uptake of Ridesharing?

Transformation requires engagement...





Transport planners need to enable better engagement, communication and consultation

Hyperlocalism

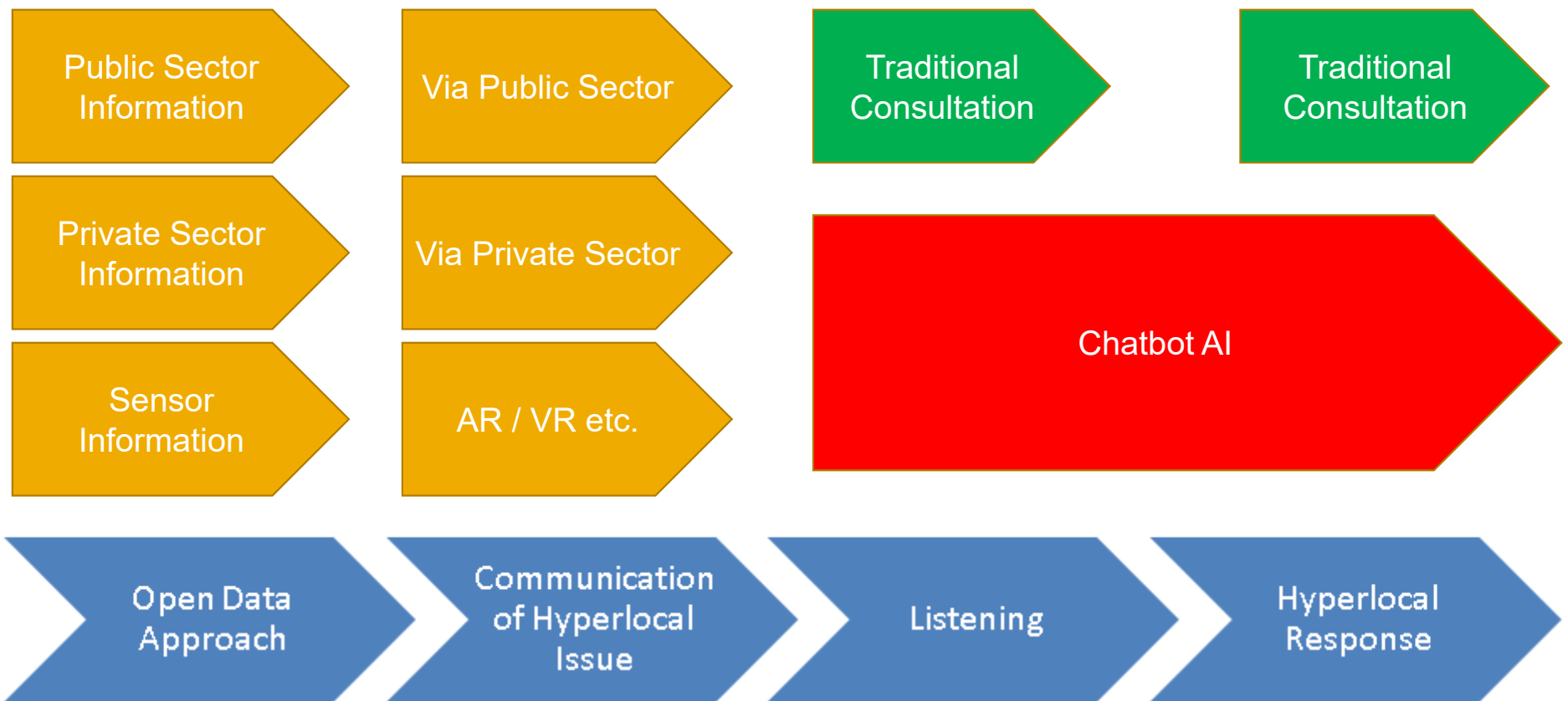
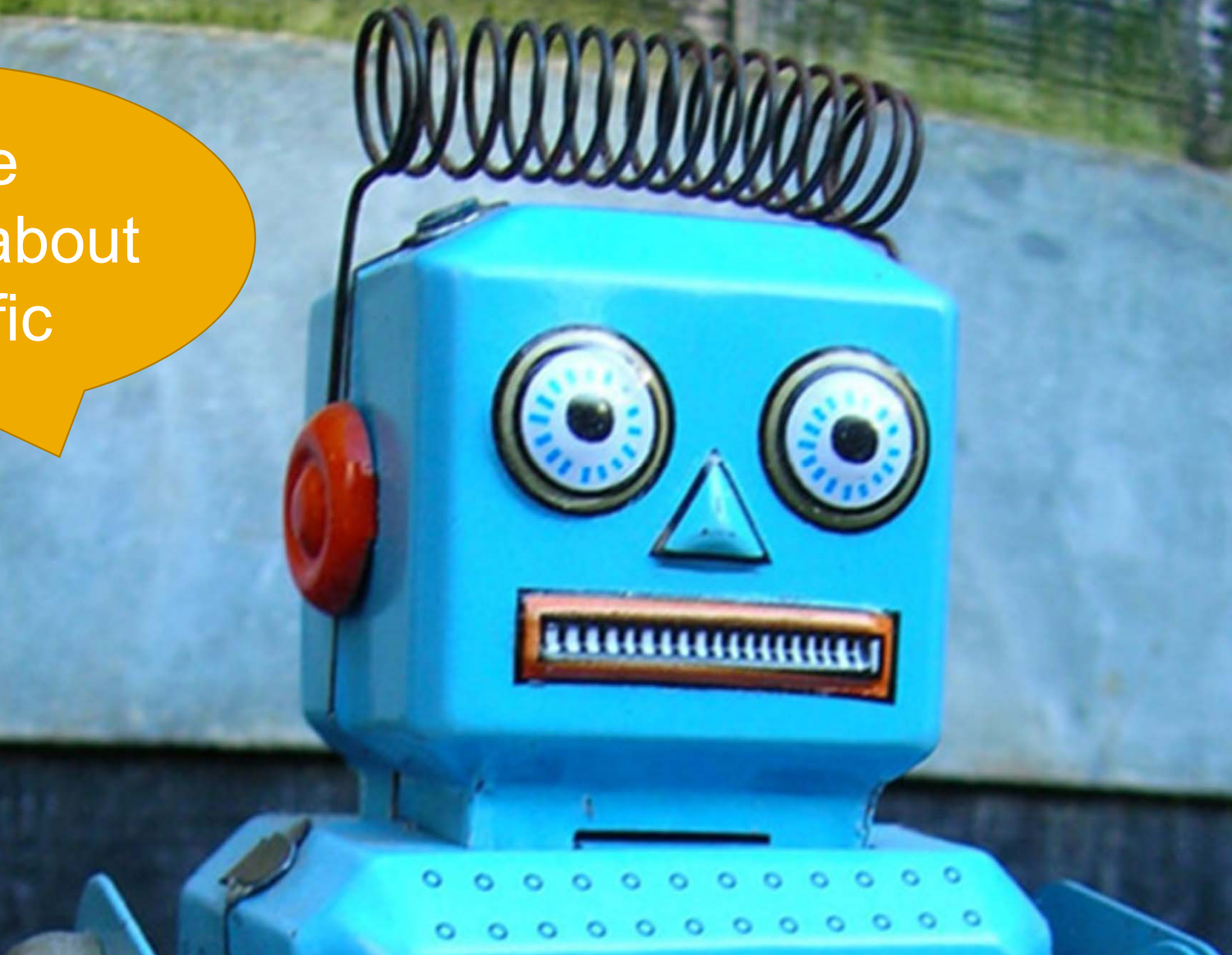


Figure 5: Process to leverage hyperlocalism

Please
complain about
the traffic





www.transport18.nz

Conclusions

- Transformation in transport technology will occur within a socio-technical ecosystem.
- This will come about through citizenry who are engaged with the potential of the change. (Currently they are mostly disengaged with transport planning.)
- Engaged citizenry will occur through changing the way we consult to leverage hyperlocalism. This requires working with an open data approach, collaborating with the private sector and using Artificial Intelligence (AI) to achieve scale and tailor individual conversations.
- **Without changing our approach, we will see incremental improvements not a transformation.**