



**move
mobility**
smart moving cities

Smart Moving Tbilisi

Introduction



15 years engineer



Tonny Bosch



15 years planner



Nowadays engineer + planner +
social worker + entertainer

Smart cities with MOVE Mobility

- 1. The good life*
- 2. What city do you want?*
- 3. Strategic Network Planning*
- 4. Smart moving Tbilisi*

The good life



The good life

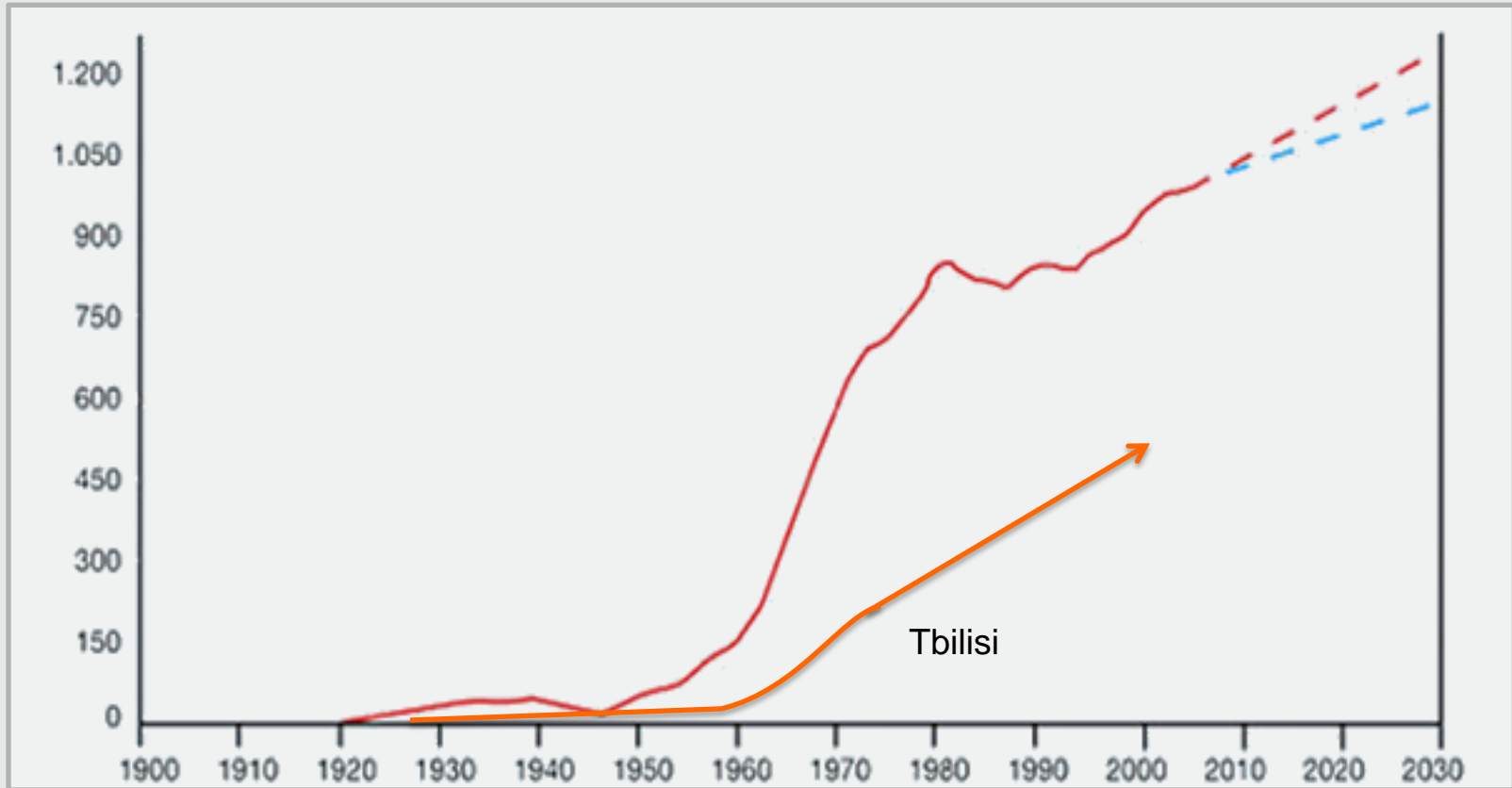


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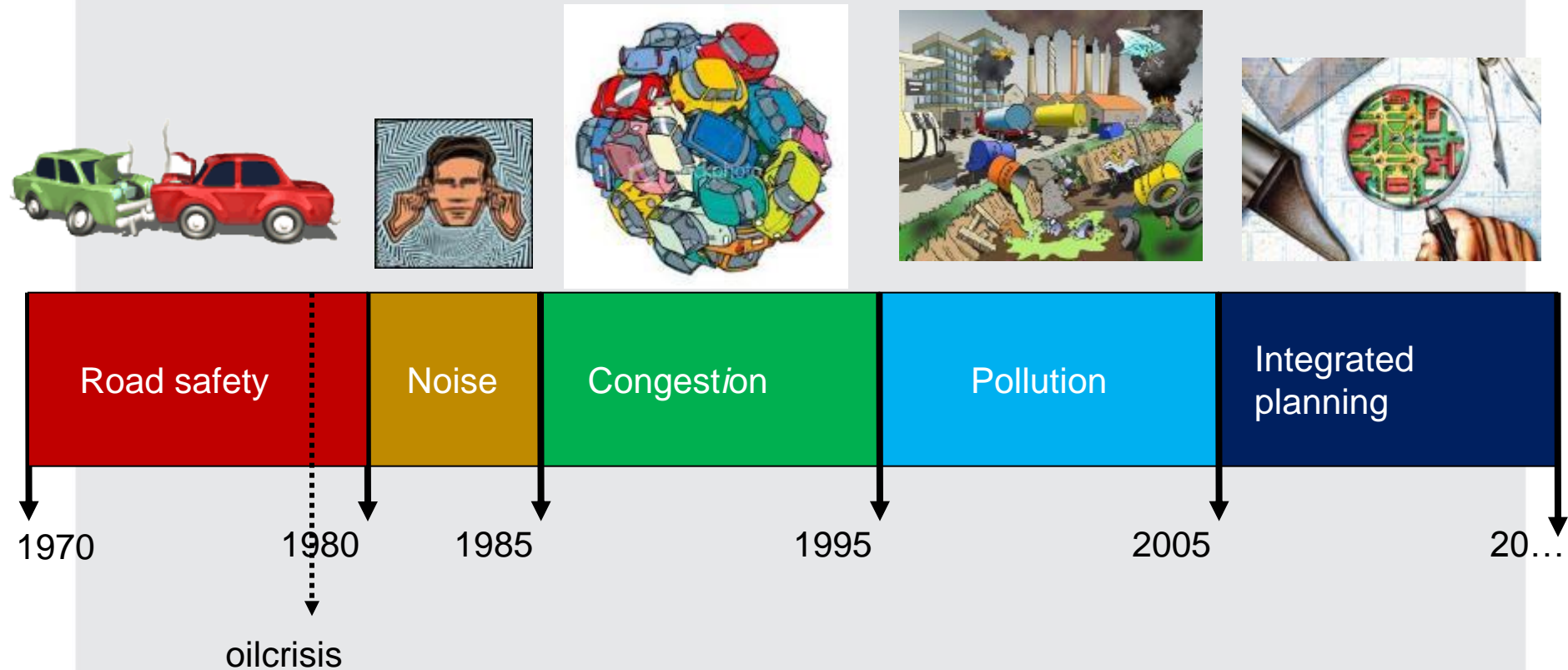
Collective Responsibility: What happened in the Netherlands???



Car ownership in the Netherlands



It's about knowledge: Try and Error period



The planning mission for cities



ORGANIZATION

- Cooperation: Civil Society + Government + Market



HARDWARE

- Infrastructure



SOFTWARE

- Culture



2. What city do you want?

The story is about cities

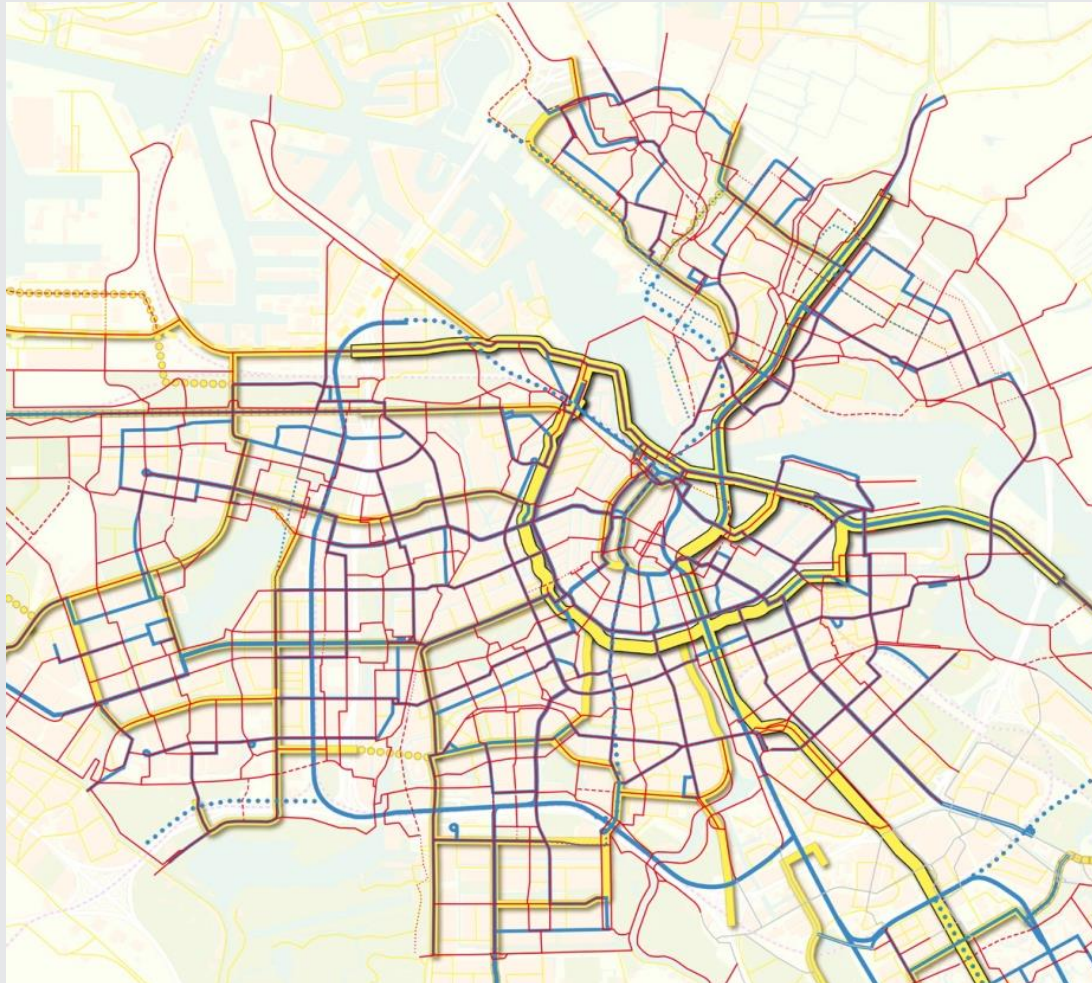


1. Inspiring places where people meet



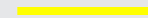
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2. Coherent transportation networks

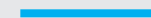


For all modes

Car



PT



Bicycle

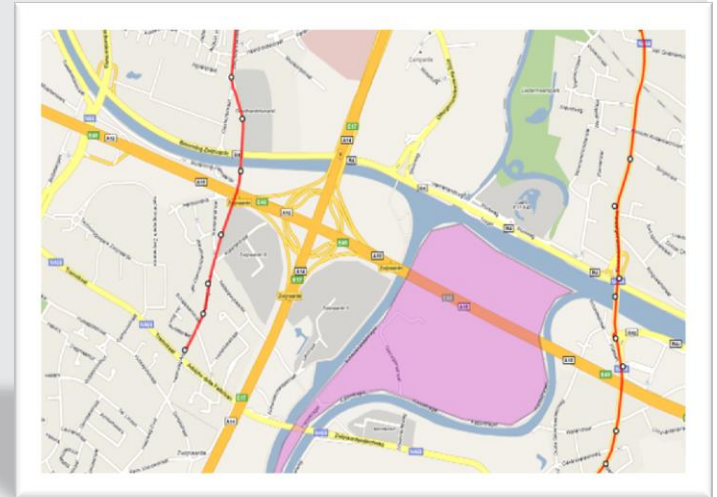
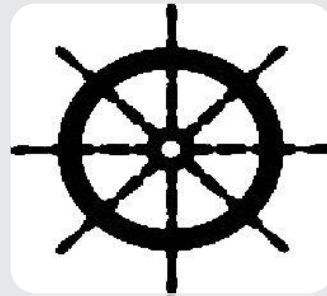


3. Good, accessible places

For business, offices, trade and manufacturing



The crucial role of Traffic and Transportation



Traffic and Transportation plays a crucial role in providing the right space (air) for people, business and thus cities as a whole.

A world wide trend



This is becoming a worldwide trend!

Specially in cities in Africa, India and Asia.

The Reality

If you plan for **cars** and **infrastructure** you get **cars** and **infrastructure**.

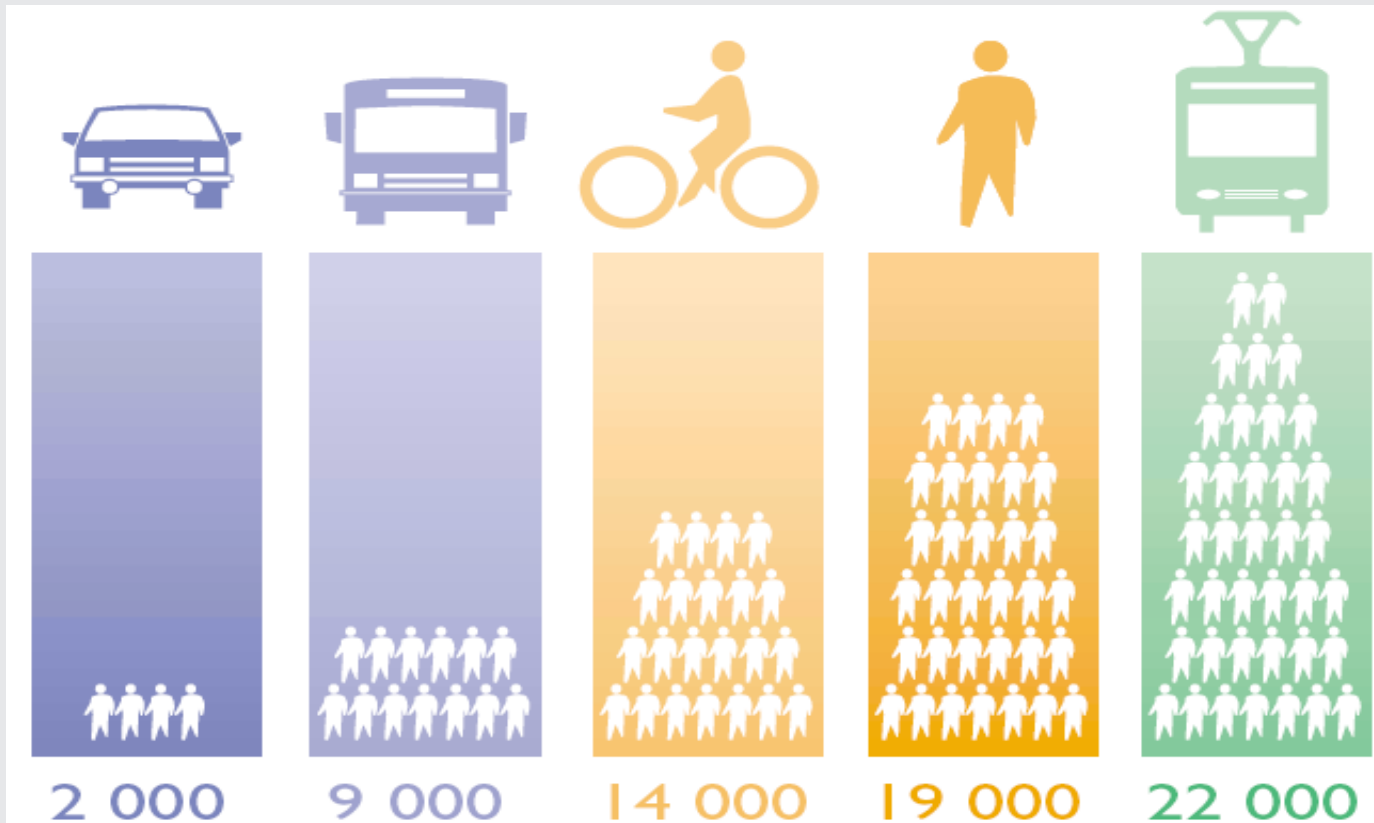
If you plan for **people** and **places** you get **people** and **places**.

*If you fail to **plan**, you **plan** to fail!*

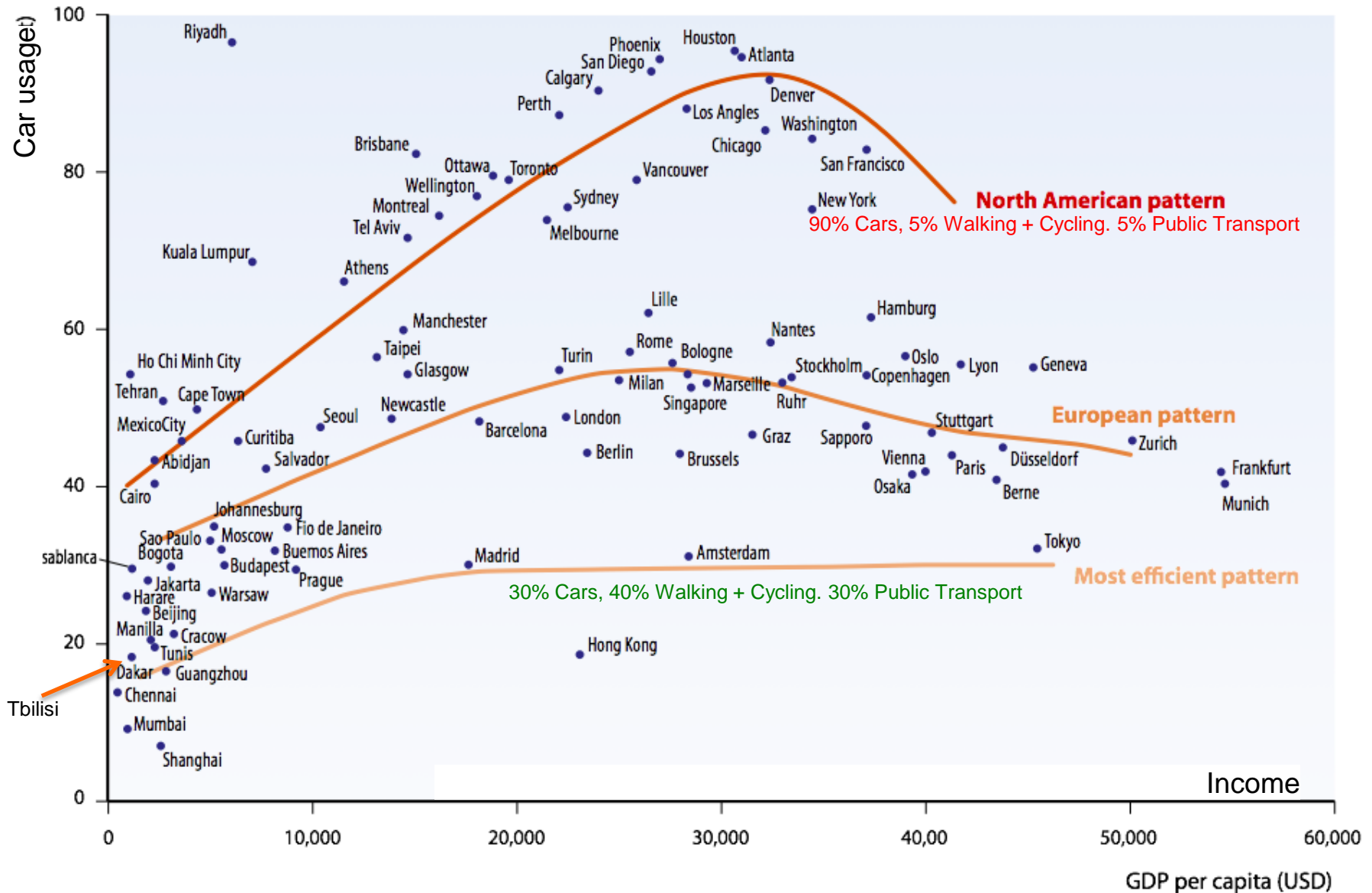
Estimated modal split

City	Car	Walking/ Cycling	Public transport	Challenge is to:
Amsterdam Netherlands	30%	40%	30%	Keep this balance
Kampala Uganda	10%	60%	30%	Not forgetting needs of a 60%
Manhattan USA	10%	30%	60%	Use the potential of cycling
Bogotá Colombia	20%	30%	50%	Invest in walking/ cycling and organize Public Transport
Austin Texas , USA	90%	< 5%	< 5%	Invest in walking/ cycling/ public transport
Tbilisi Georgia	20%	10%	70%	???
Quito Ecuador	30%	10%	60%	Invest in walking / cycling / public transport

It's about organizing the limited space!

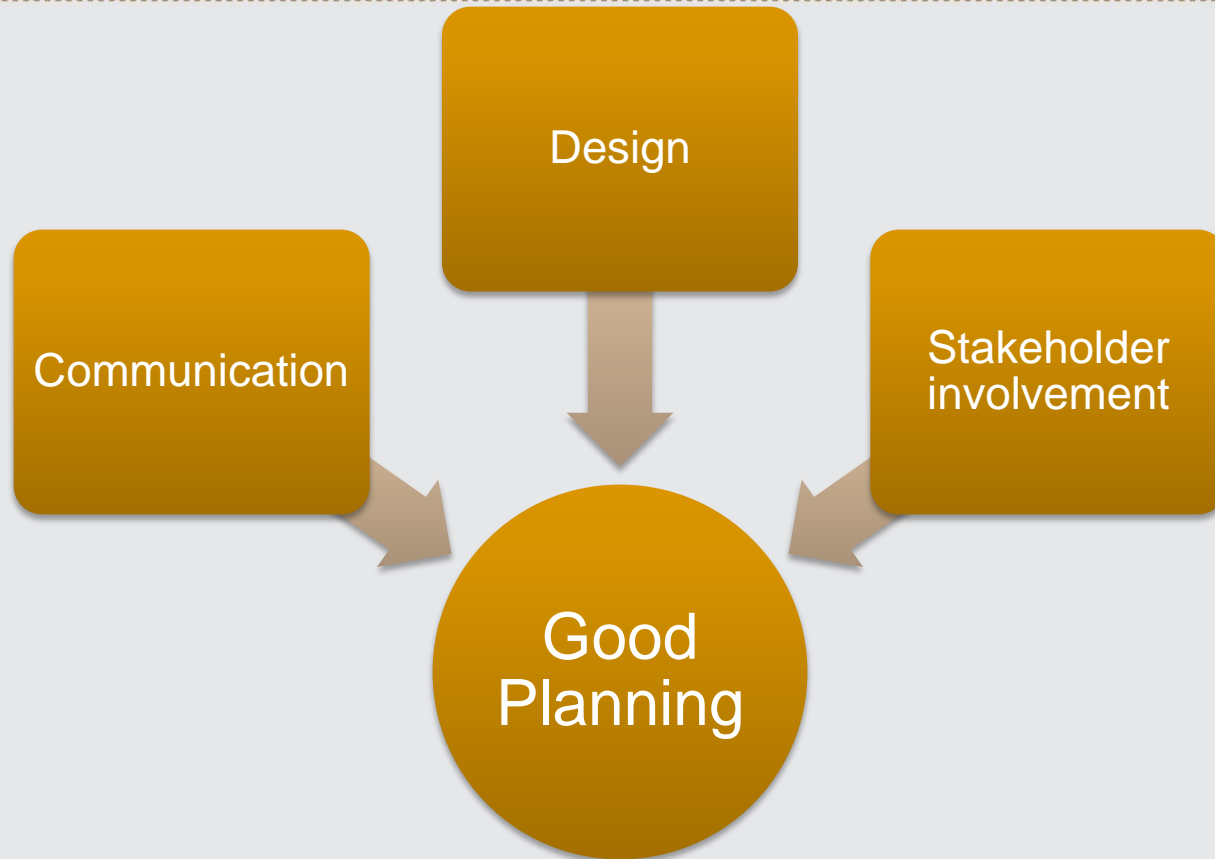


What city do you want?



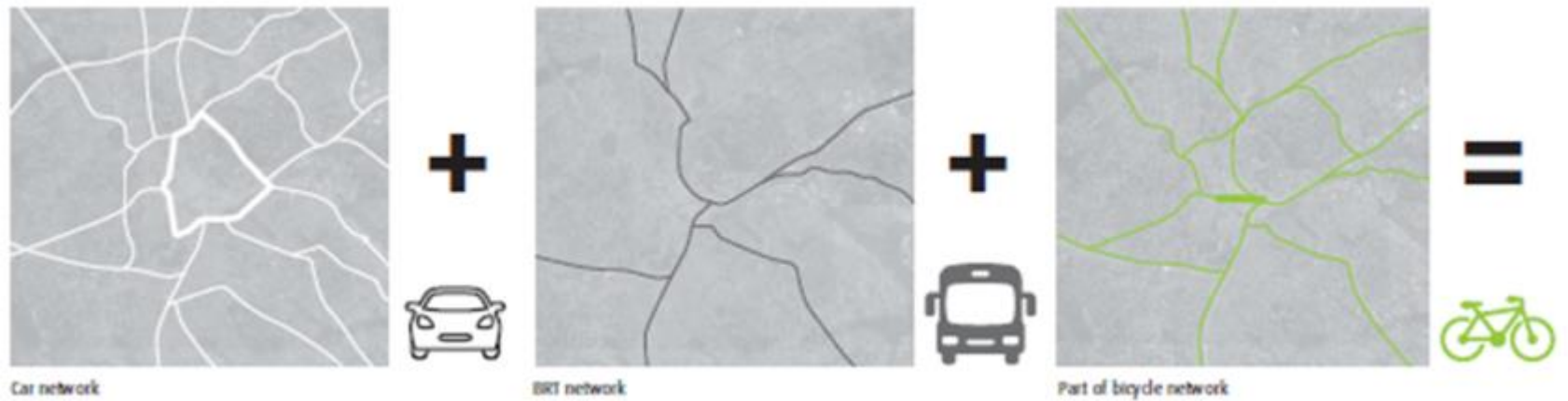
3. Strategic Network Planning

Transport Planning: not an isolated process



IS NOT JUST A TECHNICAL OUTCOME

Coherent networks

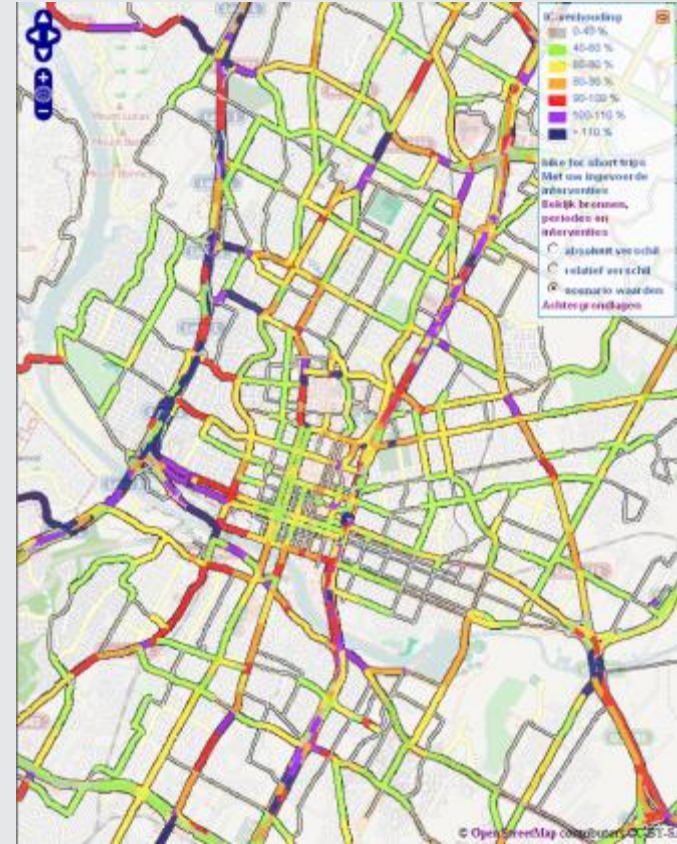


Sharing experiences with adequate tools: MOVE Meter

Without measure

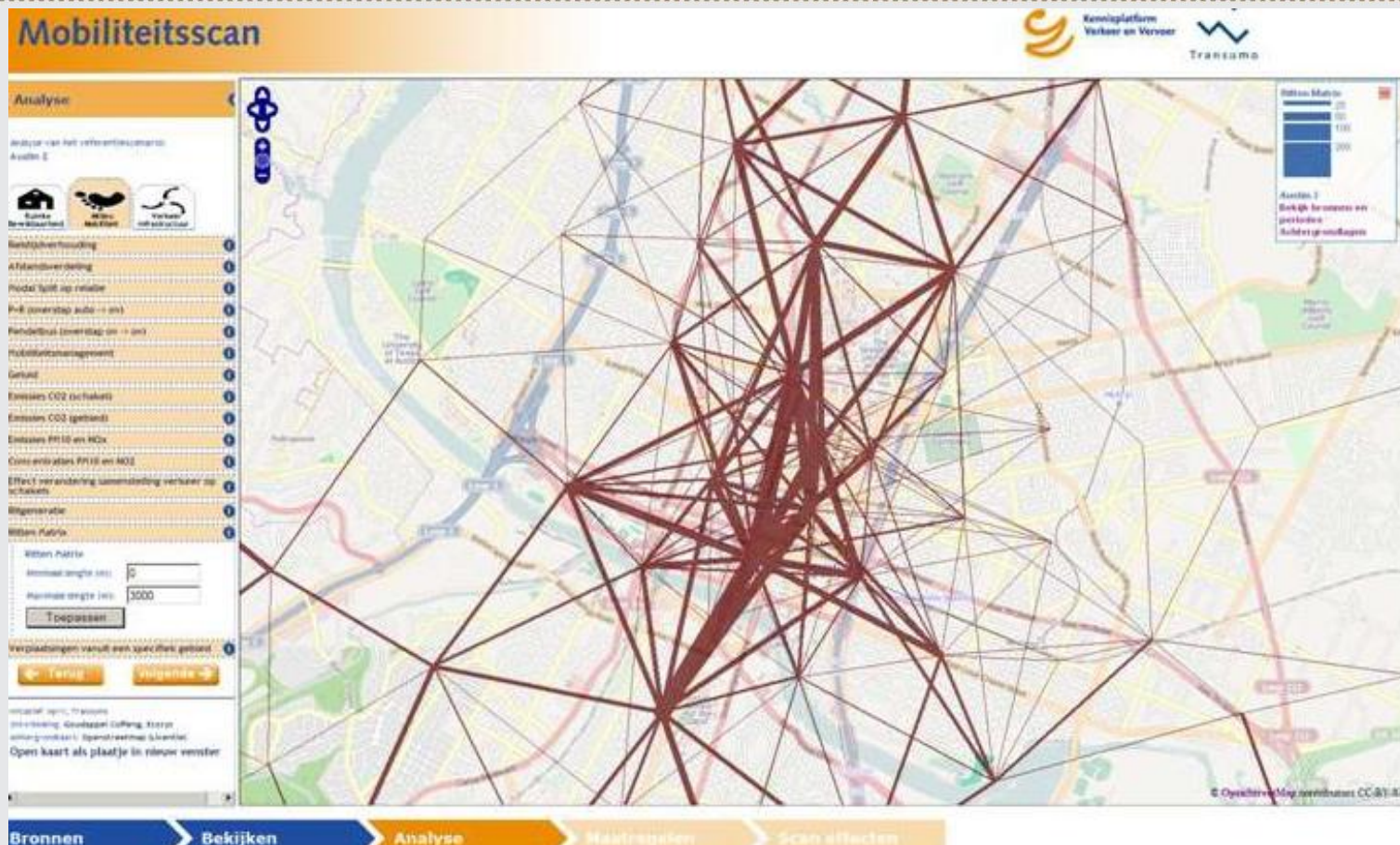


With measure



MOVE Meter (example Austin USA)

(show where to invest in cycling instead of expensive car infra)



Specify your margins

Build your own spidernet and it tells you where to build your cycle network.

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Movie big data

4. Smart moving Tbilisi

*fresh impressions from the
workshop from yesterday and the
day before*

Smart cities

- 1. Strategic networking development*
- 2. Parking*
- 3. Placemaking*
- 4. Organization*
- 5. Software*

Network / Multimodal traffic



Network / Multimodal traffic



Sketch Strategic Network Tbilisi 2030



Parking



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Good places



Good places, good profile (before, after) *Vaja-Pshavela Ave., pilot Tbilisi*



Organization



Software - education



The way forward

Theory



ORGANIZATION



HARDWARE



SOFTWARE

Active Actors: Majors, NGO's,
Consultancies

Practice



ORGANIZATION

- Department for Multi-Modality



HARDWARE

- Pilot Project for bike infraestructure



SOFTWARE

- Study Trip to the Netherlands

Thank You!

Let's MOVE!

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