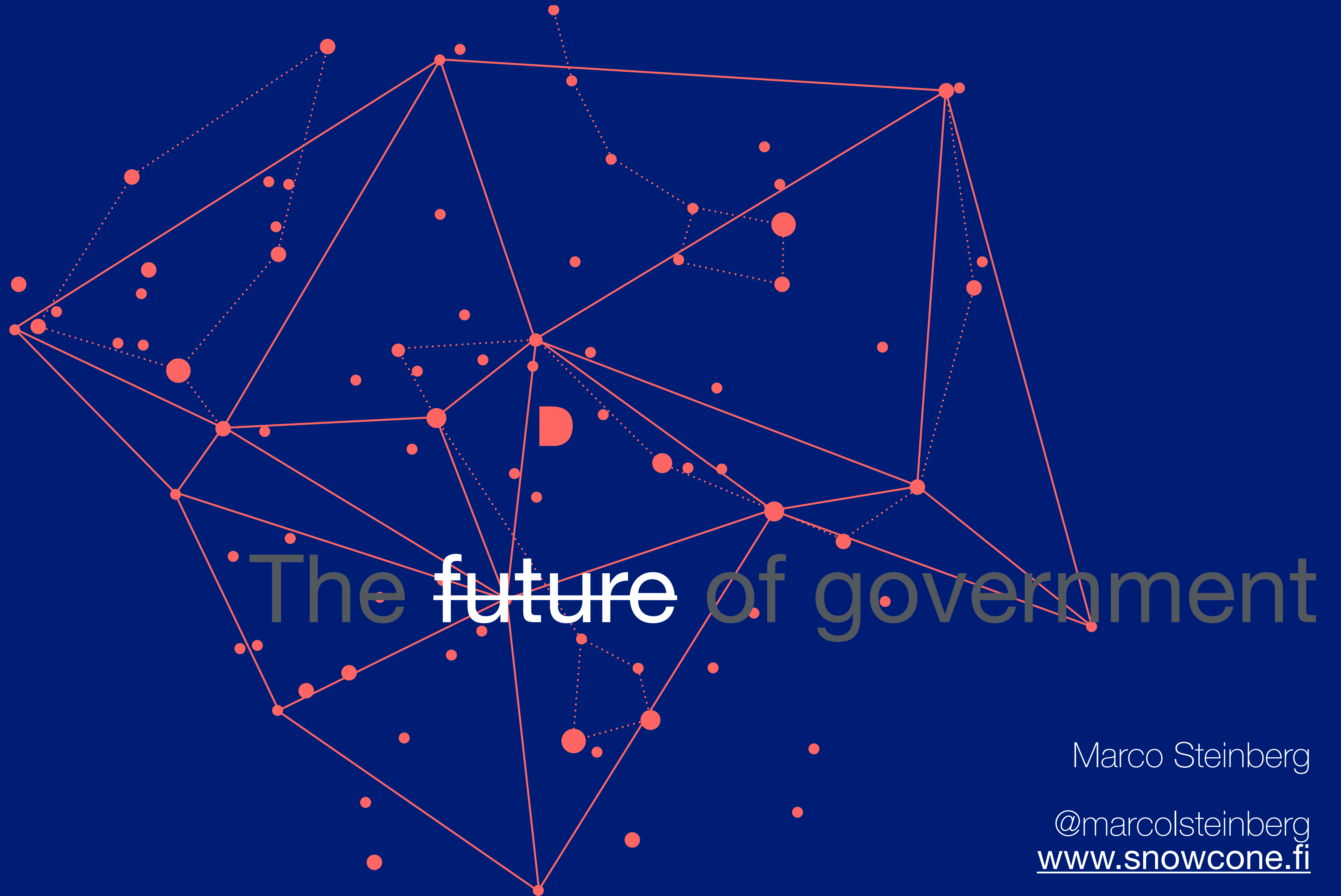


An abstract geometric network diagram is overlaid on a dark blue background. It consists of numerous red dots of varying sizes, some of which are connected by thin red lines. These connections form a complex web of polygons and smaller clusters. Some lines are solid, while others are dotted. The overall shape of the network is irregular and sprawling, with a central area of higher density and several smaller, more isolated clusters towards the periphery.

The future of government

Marco Steinberg

@marcolsteinberg
www.snowcone.fi



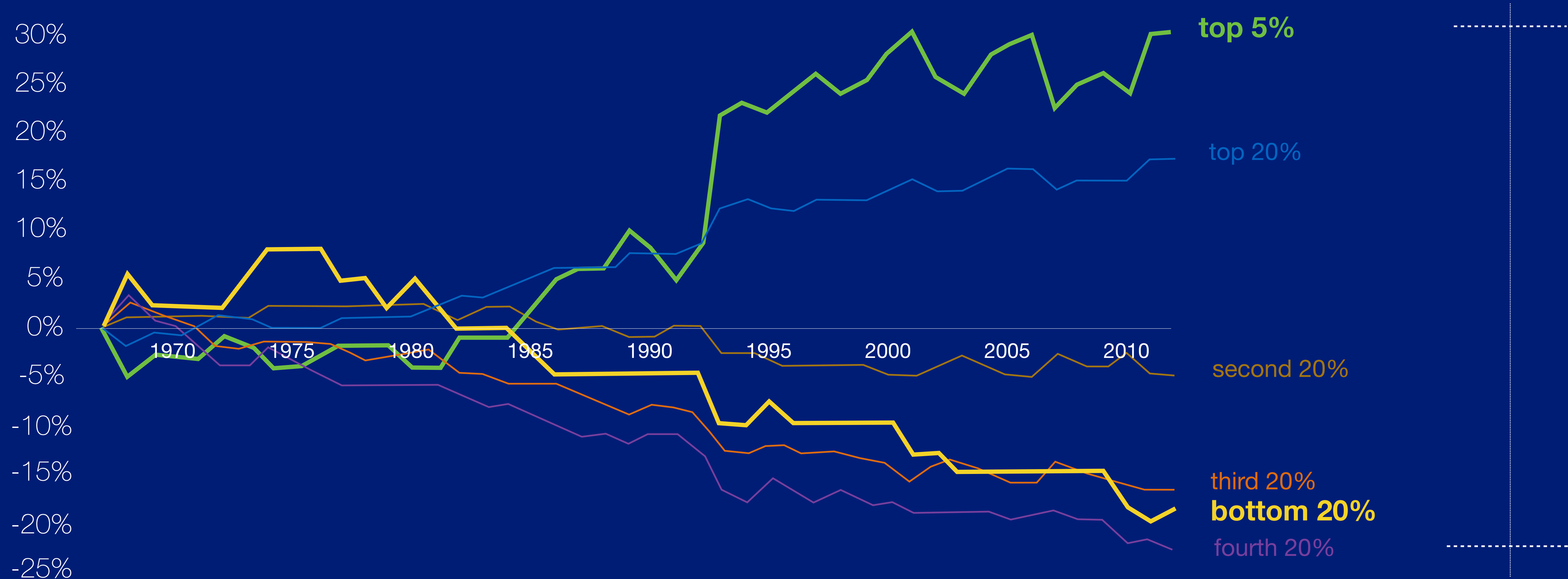
The future of government

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Change in share of total income, 1967-2012

relative to 1967, by percentile



source: US Census Bureau

The current logic
of government
≠ aligned
with its purpose

we need to **innovate*** &
redesign**
the logic of government

*Innovation = Invent new solutions

**Design = Create cultural & system coherence

design the engine that can

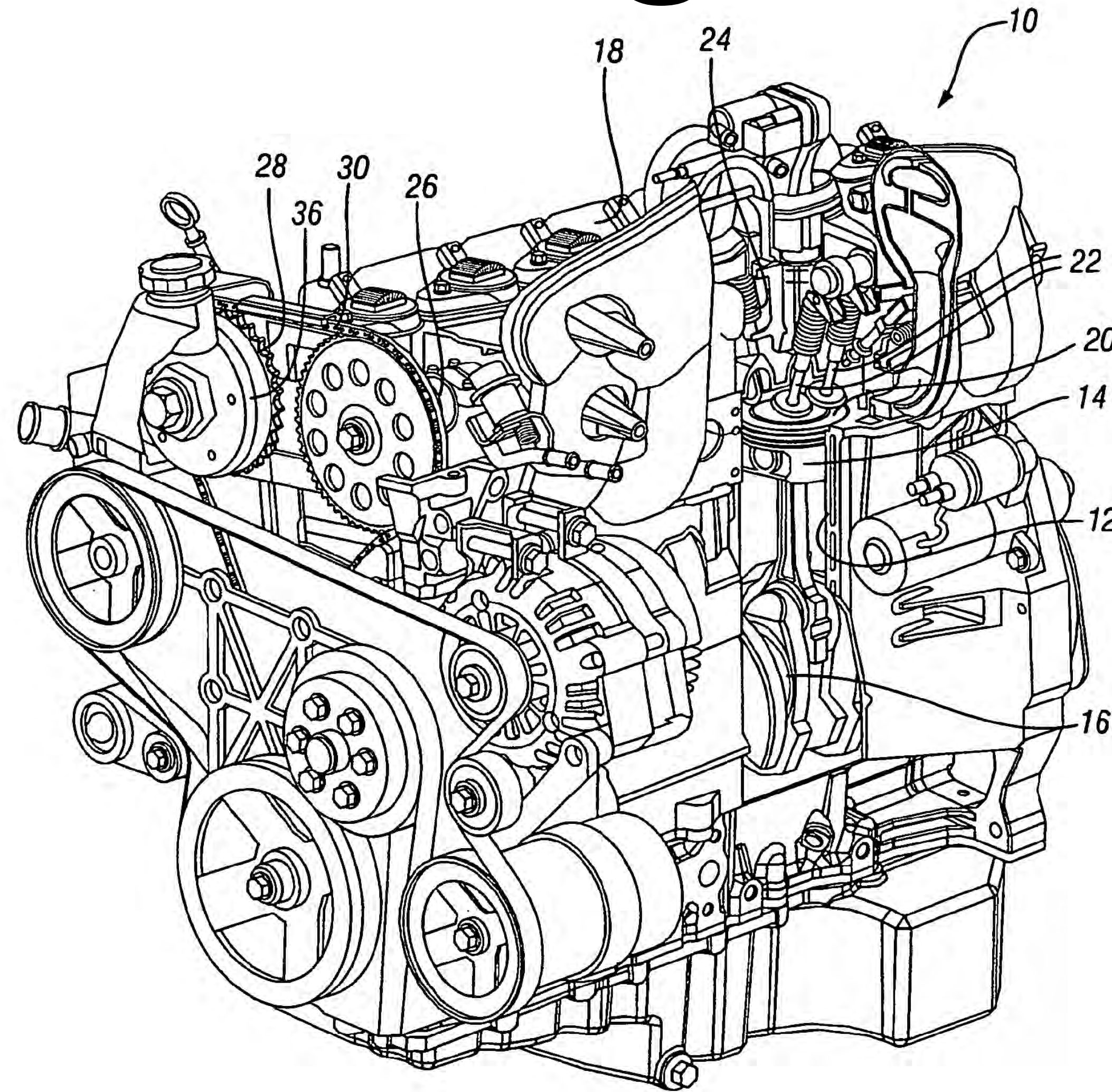


FIG. 1

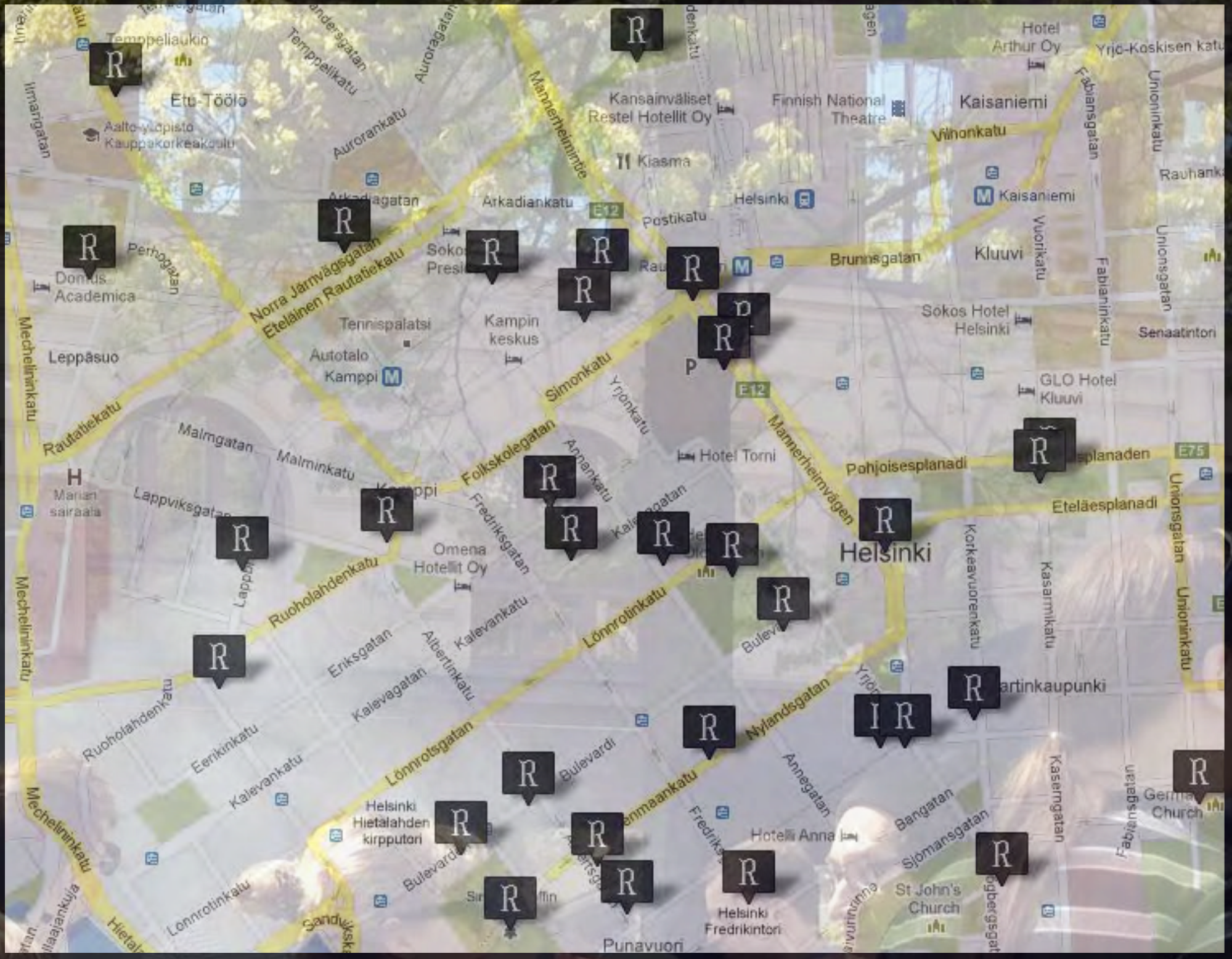
18th century institutions
in a
21st century world

a question of
logic





RAVINTOLAPÄIVÄ
RESTAURANT DAY



a question of
complexity



a question of

risk & uncertainty

plan-implement-change

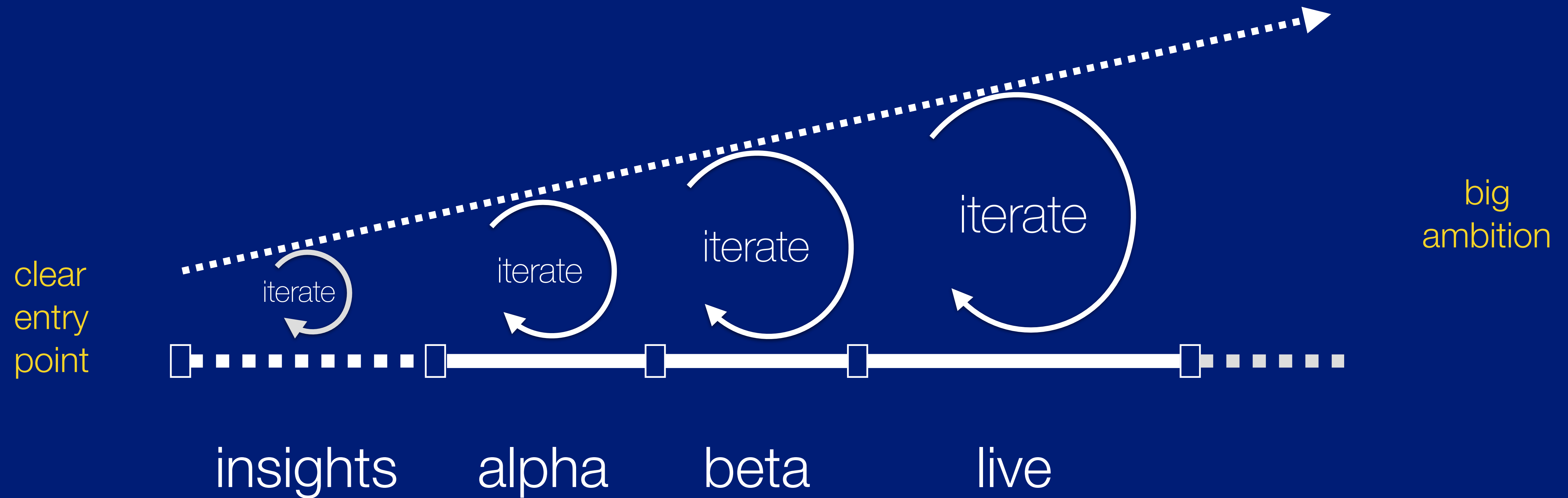
predictable world

plan
implement
change



ambiguous world

development model



uncertainty risk

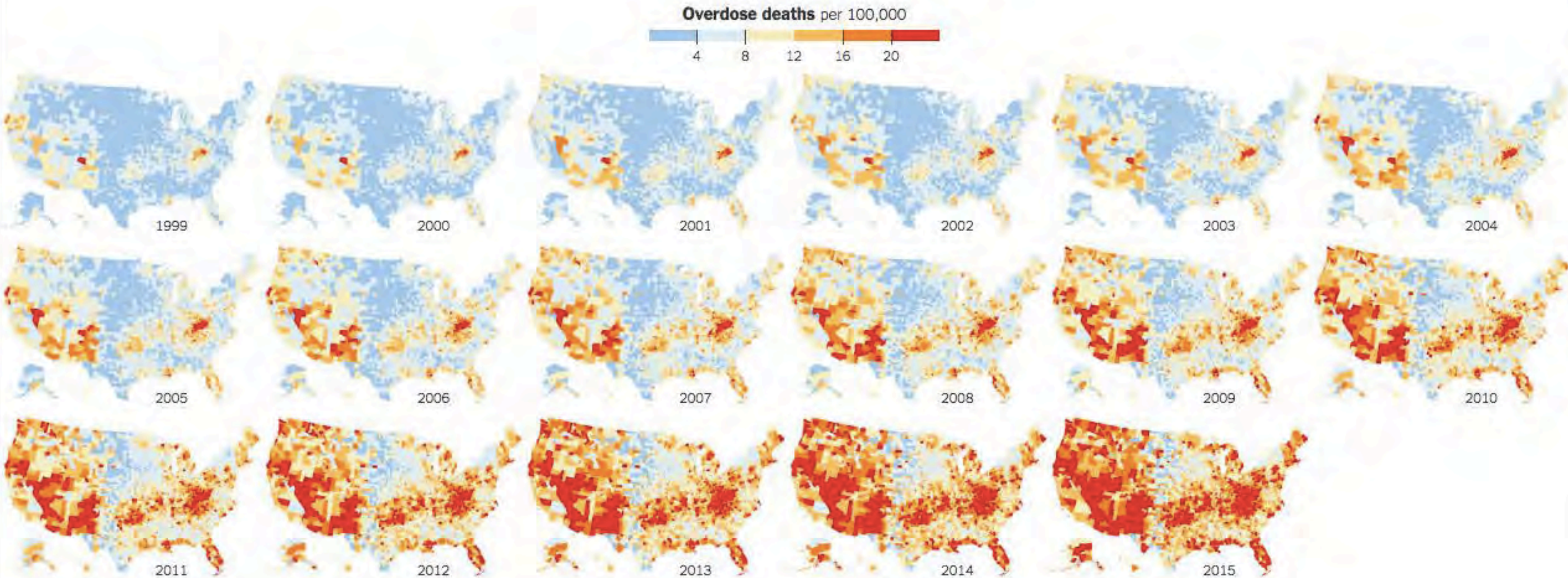
3 TOPICS

1 of 3

COMPLEXITY

How the Epidemic of Drug Overdose Deaths Rippled Across America

By HAEYOUN PARK and MATTHEW BLOCH JAN. 19, 2016



on-site

Jätkäsaari

offsite



timber

The embodied carbon in materials and structure from construction is reduced by around 20-25% by using a timber structure where possible. This has added social and environmental benefits as well as helping to reduce the carbon impact of the low2no block.



building design efficiency

We are exploring strategies to reduce energy demand by 40% and produce a significant proportion of our energy from renewables and low-carbon sources. In order to extend outdoor and indoor comfort periods we are considering microclimate and climate strategies.

Energy efficient office equipment

We are working with IT and behaviour specialists to explore innovative approaches to information technology, such as thin client technology.



Energy and compost from food waste

There is an opportunity to explore the feasibility of a biogas plant which can turn food waste from the low2no block and the surrounding area into compost and biogas which can be used for energy.



renewable energy

The use of cost-effective carbon reduction measures; off-site allows for greater replicability and affordability.



live/work lifestyle

We will explore options for live/work at the block scale and the individual flat scale.



food services

Food accounts for a significant proportion of the average residents' emissions. Food services such as community gardens, farmers' markets and the food hub will enable residents to make more sustainable choices and to improve their quality of life and the local supply chain.

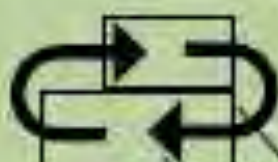
On-site energy and heat generation

Optimise the use of available renewable energy by careful mapping and using leading edge energy technologies. Explore closing the grid parity gap through new financing models. Consider the relative efficacy and affordability of on-site and off-site technologies.



electricity grid/CHP energy supply

The site uses the local electricity grid and Helsinki's existing CHP infrastructure. If the carbon intensity of the energy supply is reduced by utilities as forecast over time, emissions for energy use across the whole site decline.



a lifetime neighbourhood

We suggest exploring options for residents who are downsizing can swap their family sized apartments to residents with growing children. There is a precedent of this in the Coin Street development in London's South Bank.



smart systems

To enable low-carbon lifestyles, we will use technology such as real time display of energy use. Smart controls can improve demand side management. Both approaches contribute to building energy use reduction.



Finnish forest sequestration

In addition to on-site renewables we propose to invest in sequestering carbon across Finland.

living laboratory

The living lab provides space is proposed to be linked to SITRA's headquarters. Key services in the lab include incubation and pilots for demonstration and experimentation with innovative design, technology and business models.



low-carbon mobility

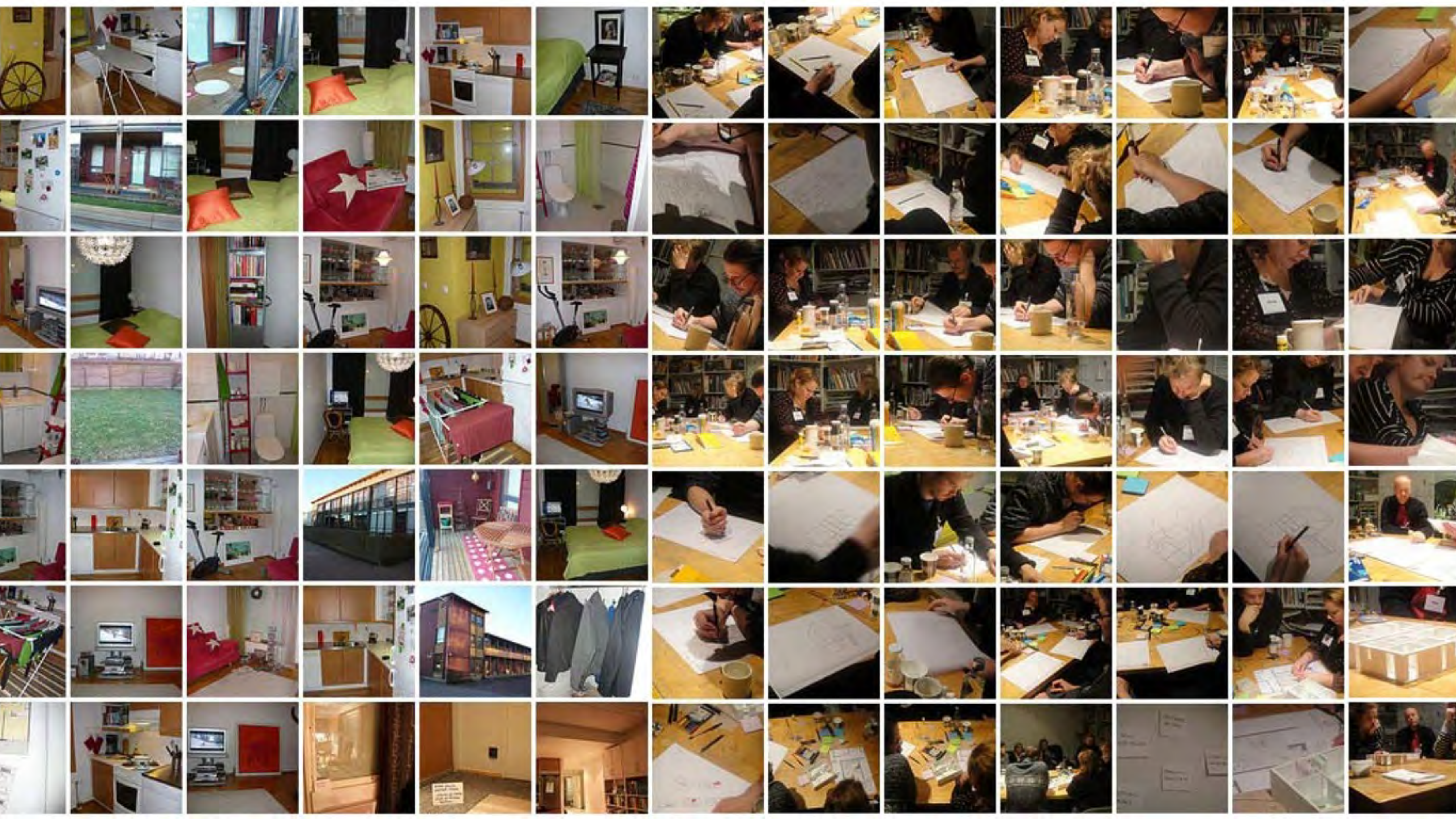
The site and the surrounding area will benefit from mobility services such as a car club, cycle repairs and a smart systems for real time travel information.

Communication strategy

We propose to develop a clear communication strategy to raise awareness of the project, build support and involve the community.

www.low2no.org

2008



Helsinki 9°

Today

17:00 - 22:00

23:00 - 00:20

Laundry Service
Movie with Lekka

Tomorrow

08:00 - 16:00

17:00 - 23:00

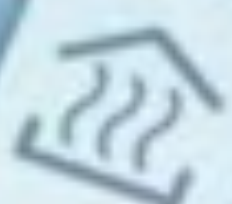
Sauna drinking
Brunch with Tere

15:47



- Devices
- Services
- Transportation
- Food

Don't Forget!



Sauna with Lekka
in 2 hours



Did you know you have scheduled an activity during a peak hour? Would you like to change your schedule?

Please

No Thanks

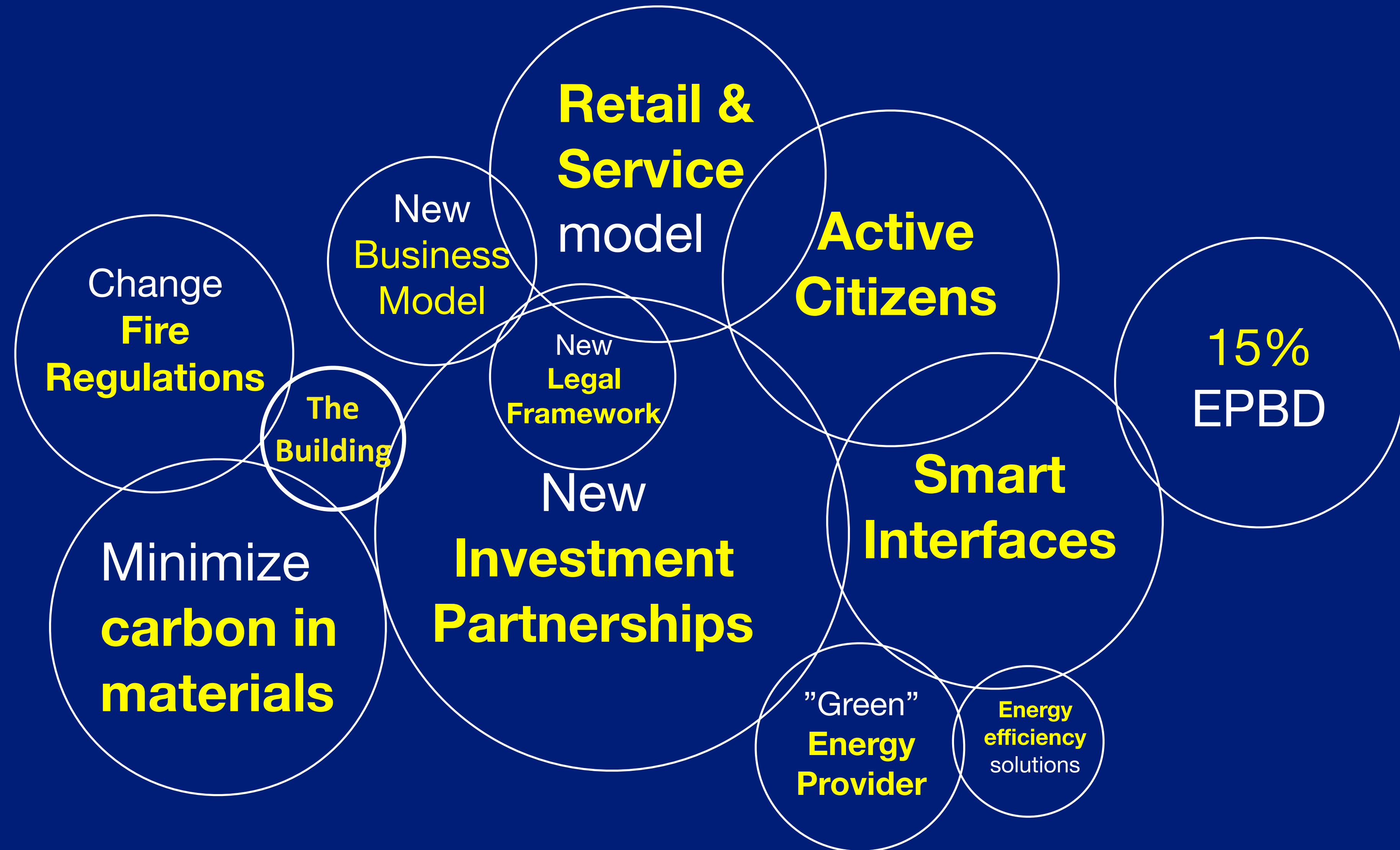


New investment partnerships?





The Building

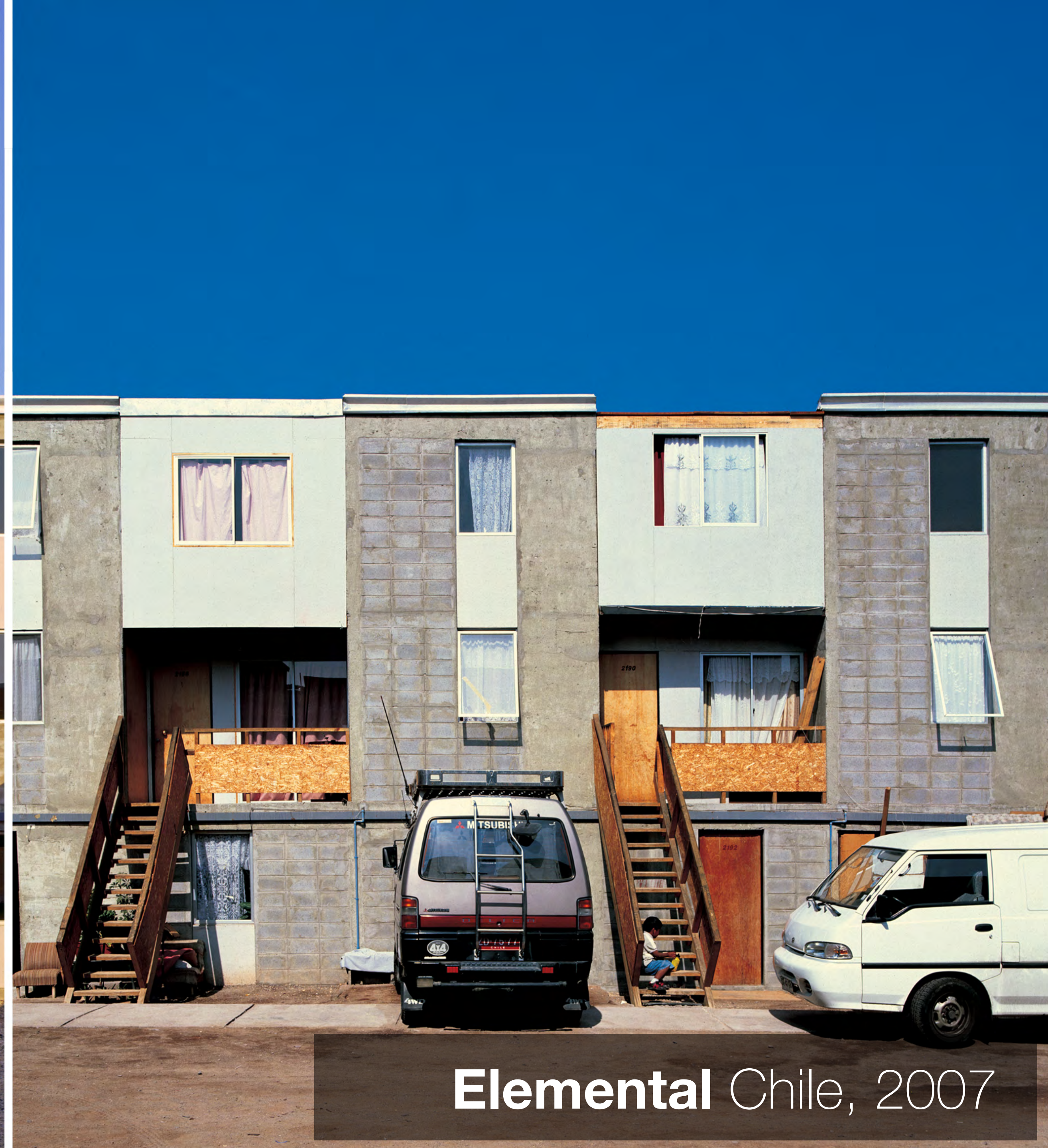


2 of 3

ENGAGEMENT



Design Exchange Finland, 2011



Elemental Chile, 2007



Helsinki city transportation department

3 of 3

STRATEGIC IMPROVEMENT



Constitution³², Chile, 2010

It assumes the world is
Predictable

Based on a system of
Linear
Fragmented
Delivery

It assumes the world is

Predictable

Based on a system of

Linear

Fragmented

Delivery

Ambiguous

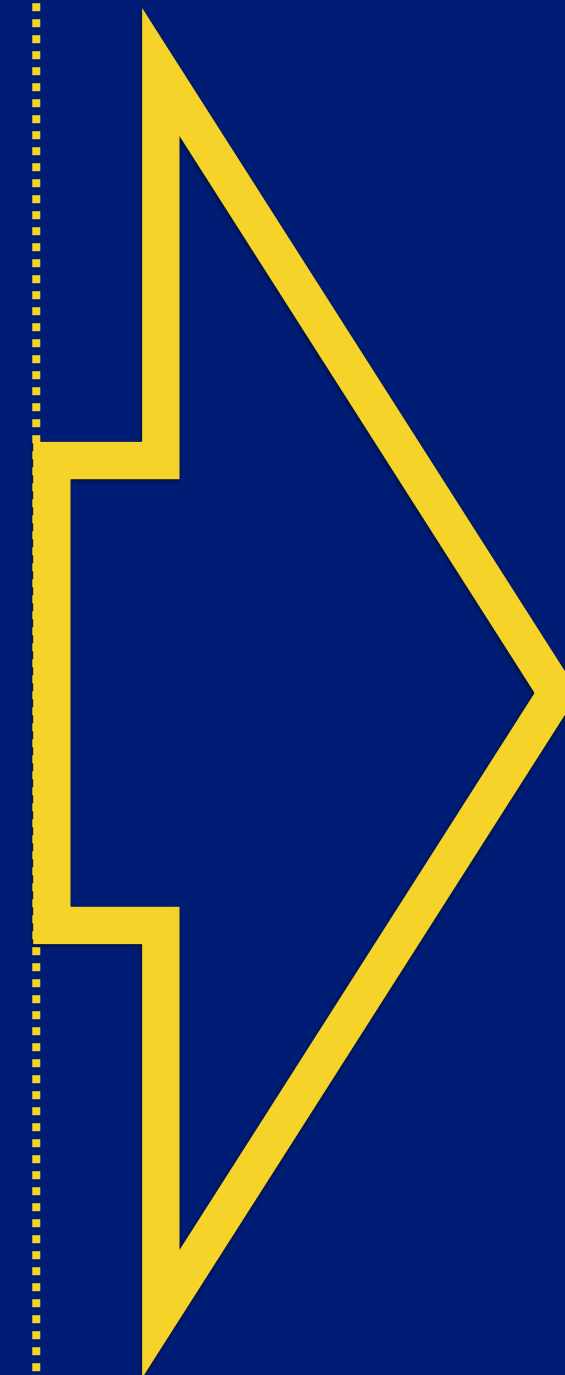
Iterative

Integrated

Engagement

It assumes the world is
Predictable

Based on a system of
Linear
Fragmented
Delivery



Ambiguous

Iterative
Integrated
Engagement

Risk of doing vs **risk of not doing?**

WHO IS
REDESIGNING
YOUR
GOVERNMENT?

thank you!

Marco Steinberg

@marcolsteinberg
www.snowcone.fi