Rebuild Europe

Reinventing Smart Cities Building back smarter

Impulse I: Smart about Mobility and Urban Development

Soren Hansen, Head of Urbanism Development, Henning Larsen

31.08.2023

Henning Larsen

A simple comparison

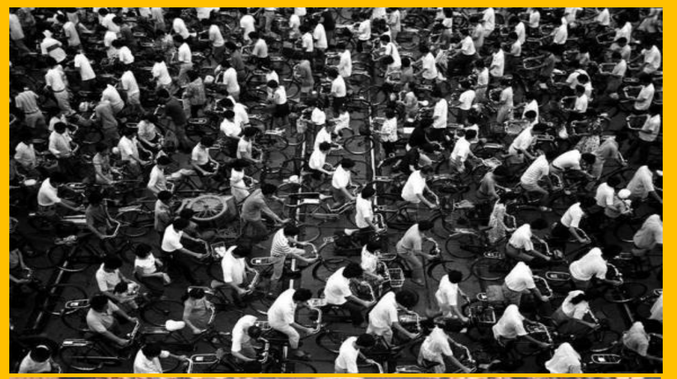
Copenhagen

1950

1995

2010

Beijing



1950

1984

2010

Henning Larsen — RAMBØLL

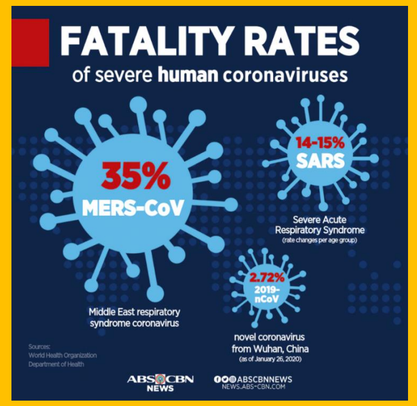
Shocks and stresses - impacting urban living?

What have we learned? How have we responded?

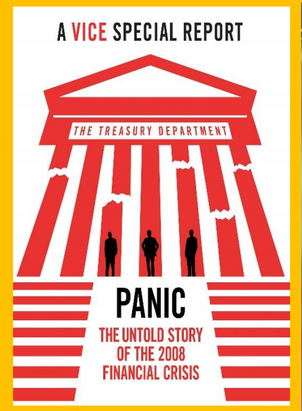
SPANISH FLU | MERS - SARS | FINANCIAL CRISIS | CORONA | What is next?

1918 — 1919 — 1920 — 2003 and 2008 — 2009 — 2020 — 2021

50 million dead



High fatality rates



Financial breakdown

Health, social crisis

- We are extremely vulnerable and have no plan B
- We are leaning on compact living, mass transit, mega-cities, instant global accessibility - but the smallest of all germs put it all to a stop.

The Experience
We were told not to crowd in mass transit
But what are the consequences?

We were told not to crowd in public realm

What will the new normal be?

We are at the brink of fundamental transitions

Leap frog communication shift

- 5G allowing real IoT
- Can leverage resilient and flexible living
- Autonomous healthy mobility

Climate change is driving changes

- New urban planning conditions
- Adaptation and mitigation is key
- More mobility - less traffic

Economic transitions

- Shared economy
- Transport – from individual ownership to subscription to mobility services
- Remote working
- Less demand for office space

Corona crisis showing profound vulnerability

- Transition in personal awareness
- Consequences of crowding
- Transition readiness
- New location criteria's for families

Now is the time to rethink – now is time to create resilience

Best practice to next practice

- **Best practice is retrospective and more of the same**
- **Cities last for the next 100s of years and must be resilient to conditional changes, shocks, and stresses**
- Best practices don’t consider economic crisis, health crisis, terror, climate changes, fluctuating scenarios, etc.
- Best practice is at large system centric
- **Next practice must be human/life centric and resilient**

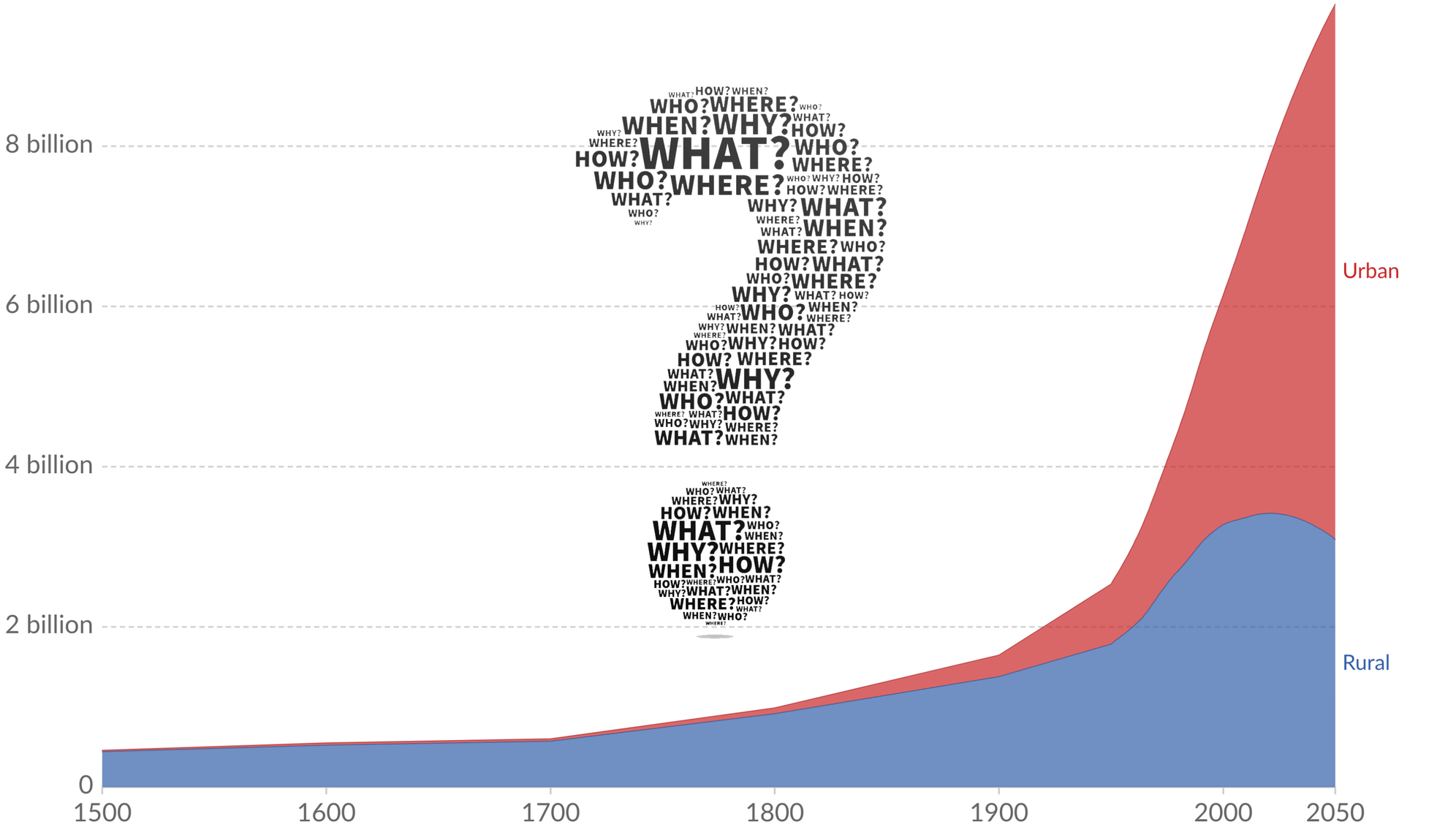
Tools for life centric design:

- Sustainable and livable
- Smart
- Resilient
- Flexible
- Cultural
- Inclusive
- Diverse
- Healthy
- Accessible
- And……

Urban and rural population projected to 2050, World, 1500 to 2050

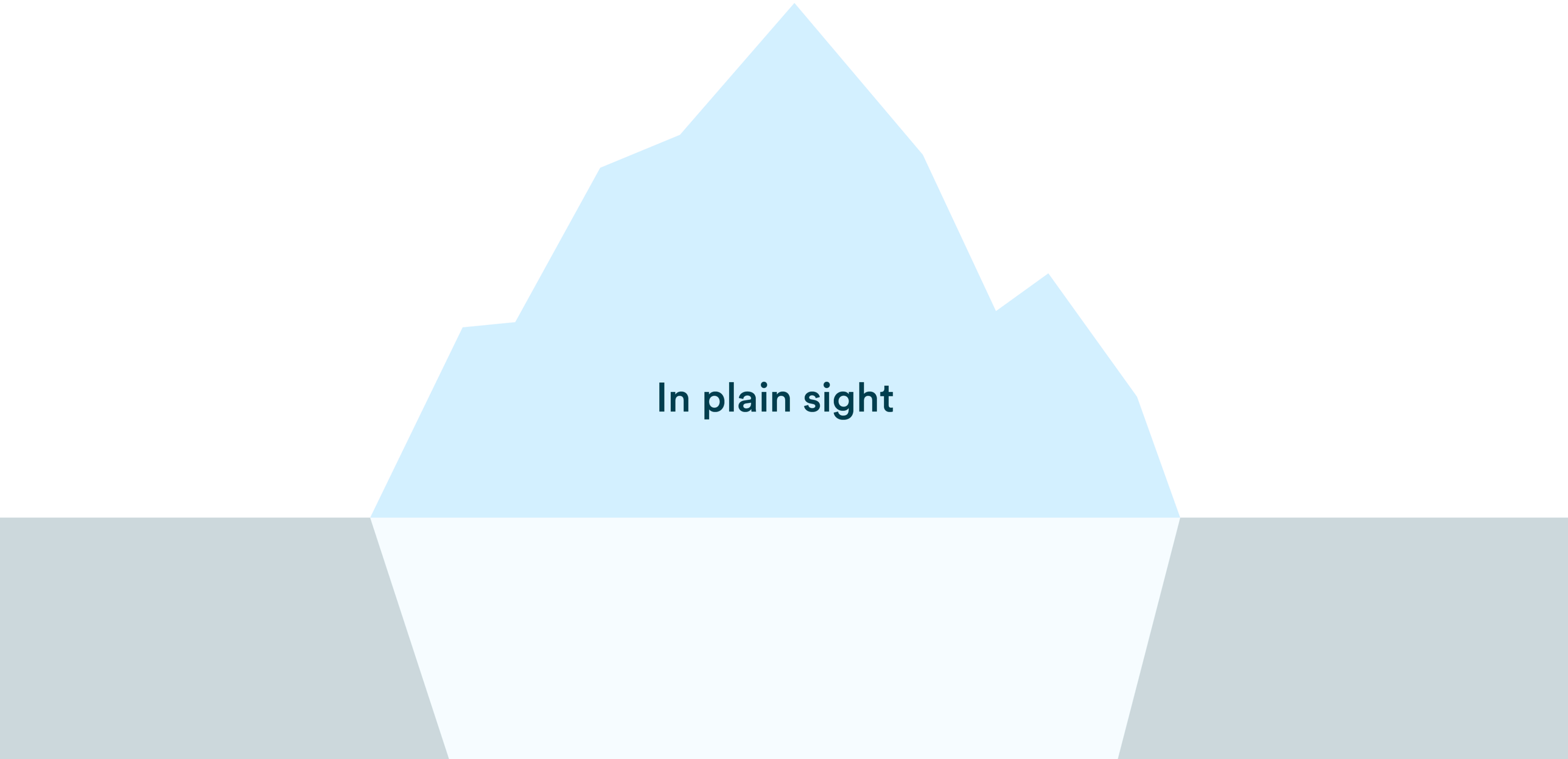
Total urban and rural population, given as estimates to 2016, and UN projections to 2050. Projections are based on the UN World Urbanization Prospects and its median fertility scenario.

Our World in Data



Source: OWID based on UN World Urbanization Prospects 2018 and historical sources (see Sources)

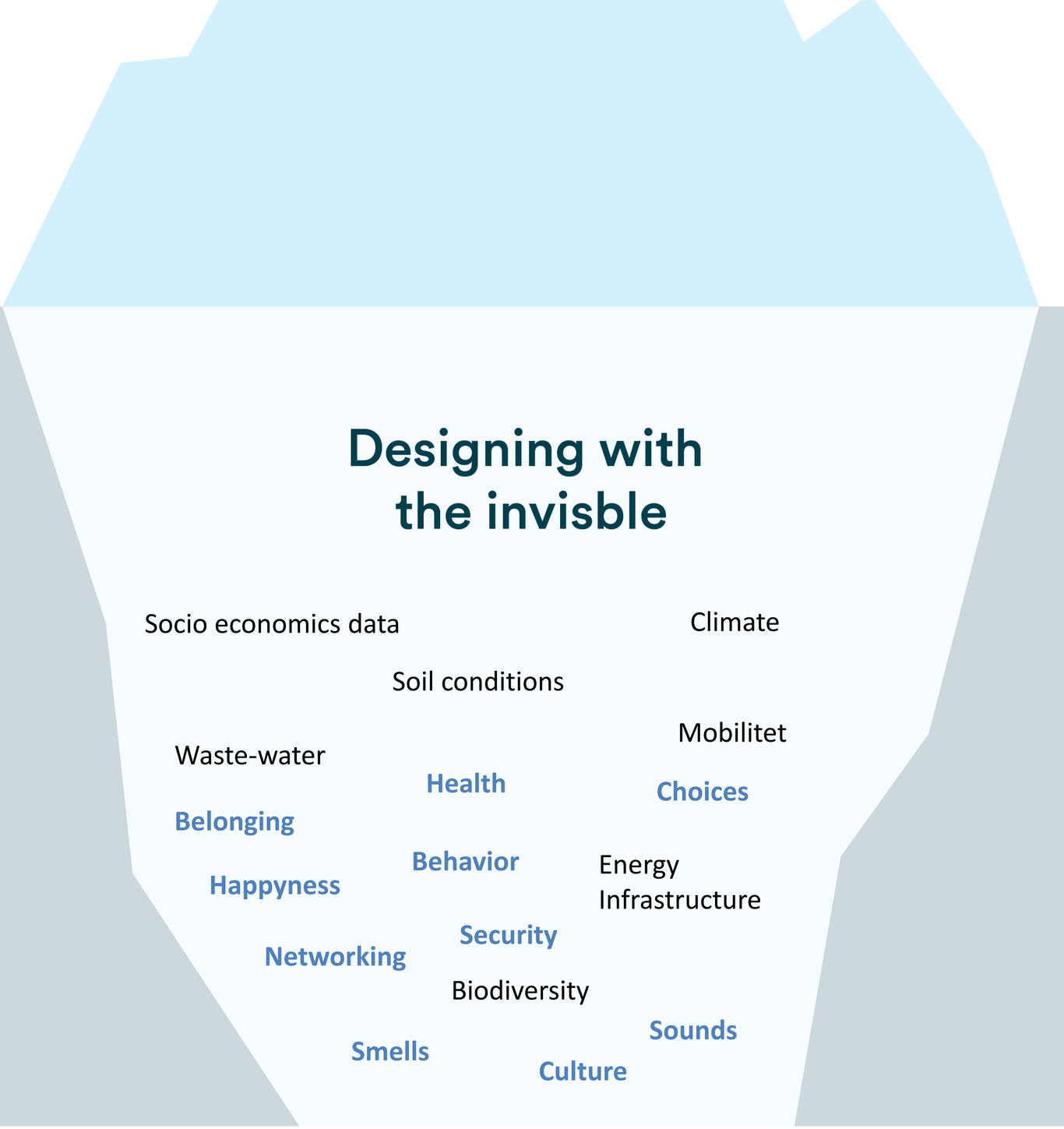
CC BY


In plain sight

Design with the invisible

Henning Larsen — RAMBØLL

Designing with the invisble



Henning Larsen

Designing with the invisible

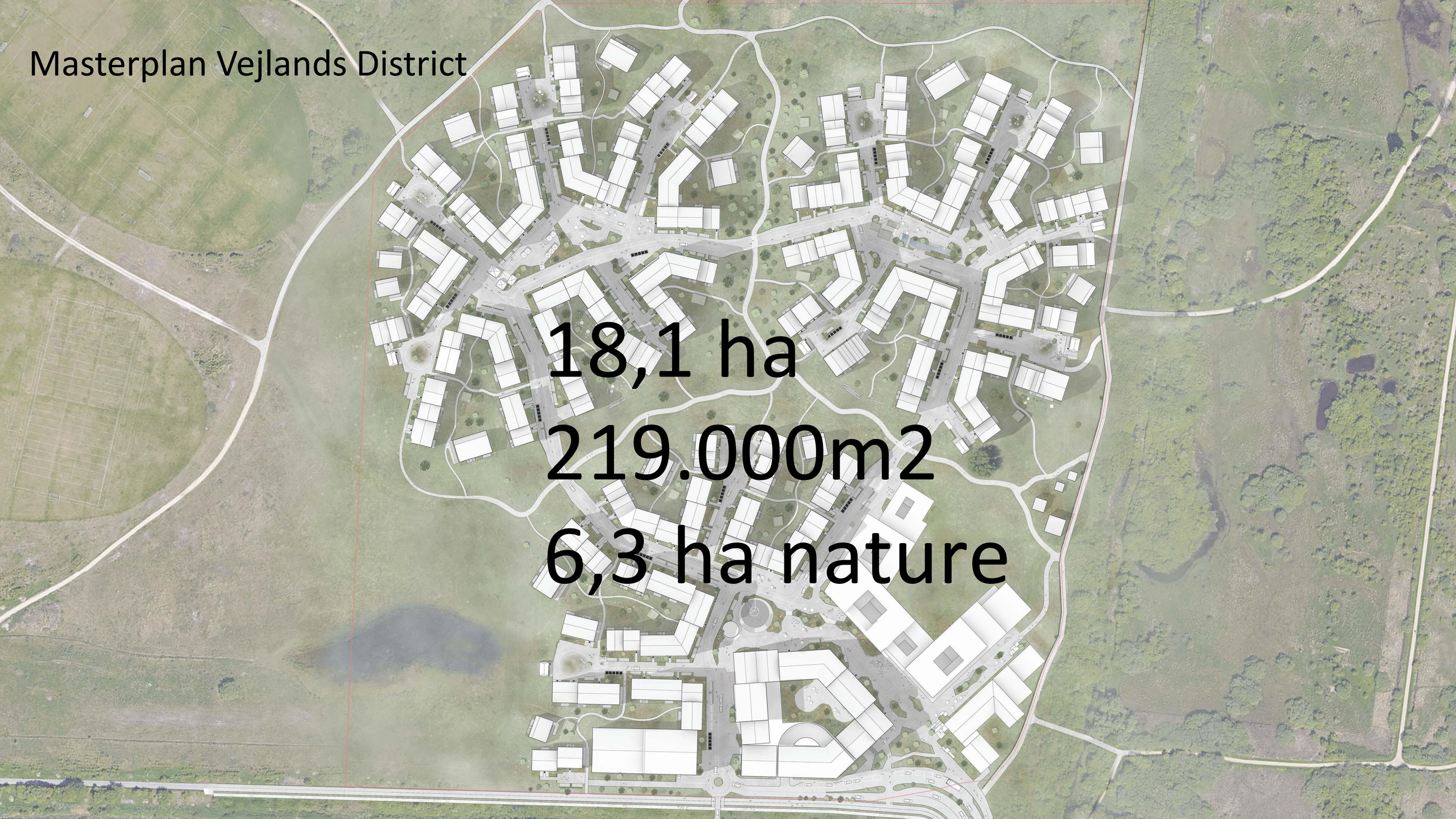
enables a transition from

system-centric

to

life-centric urban design

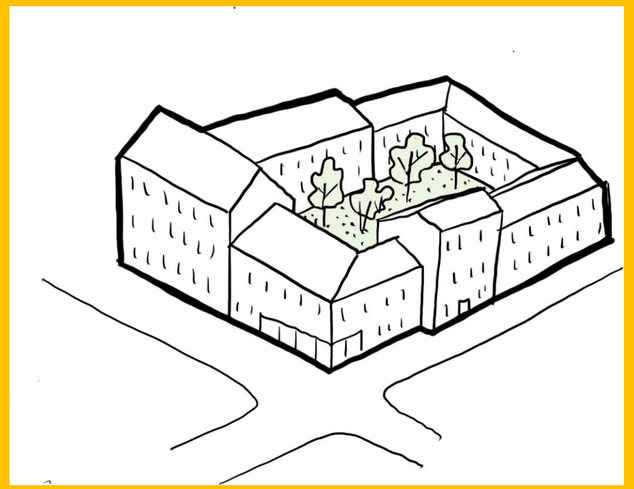
Masterplan Vejlands District



Masterplan Vejlands District

New typology

City block



Dense

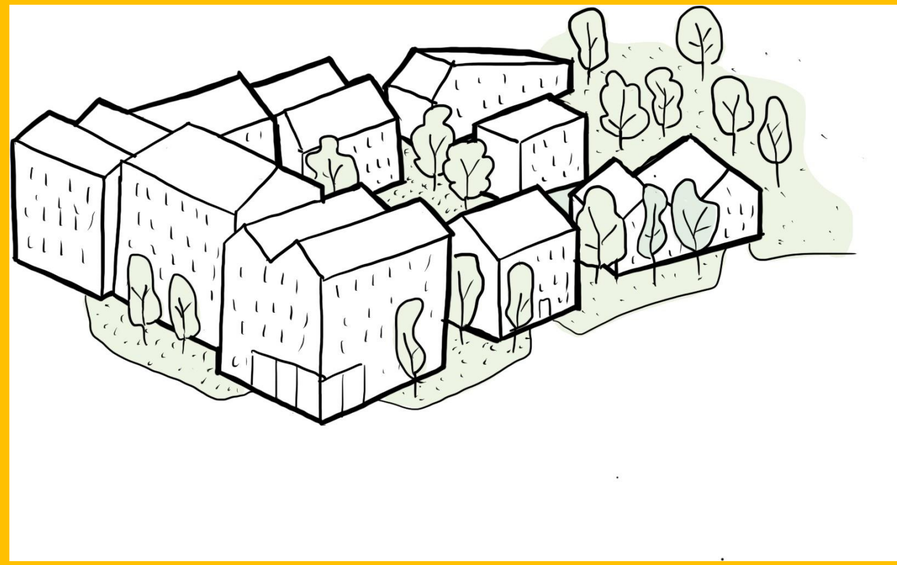
+

Village

Close proximity to nature

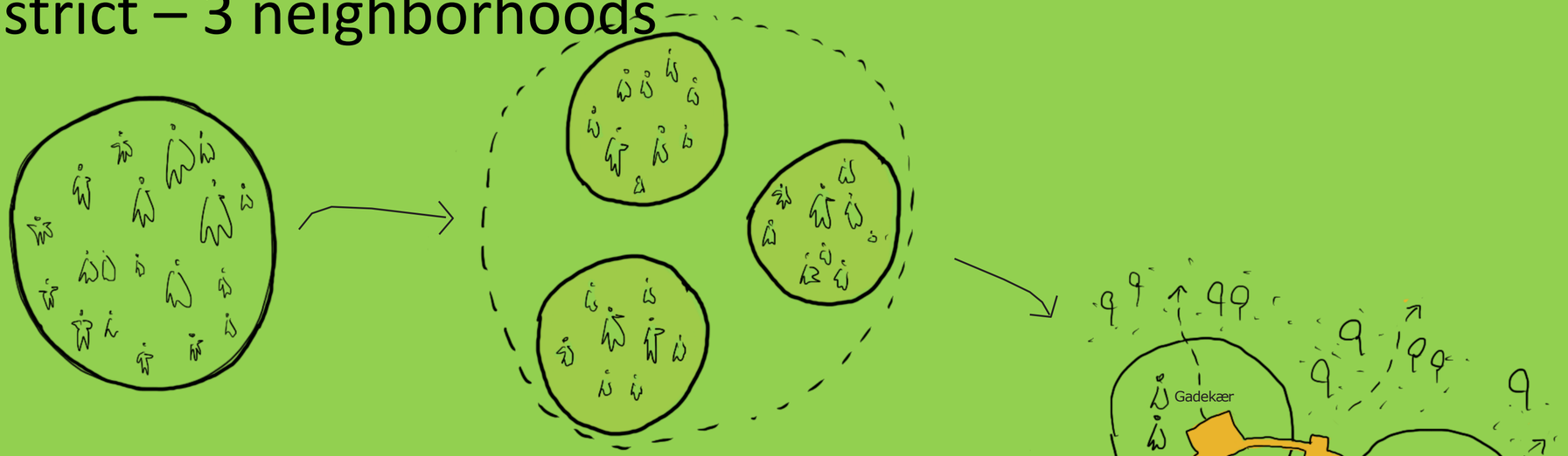
=

New Typology

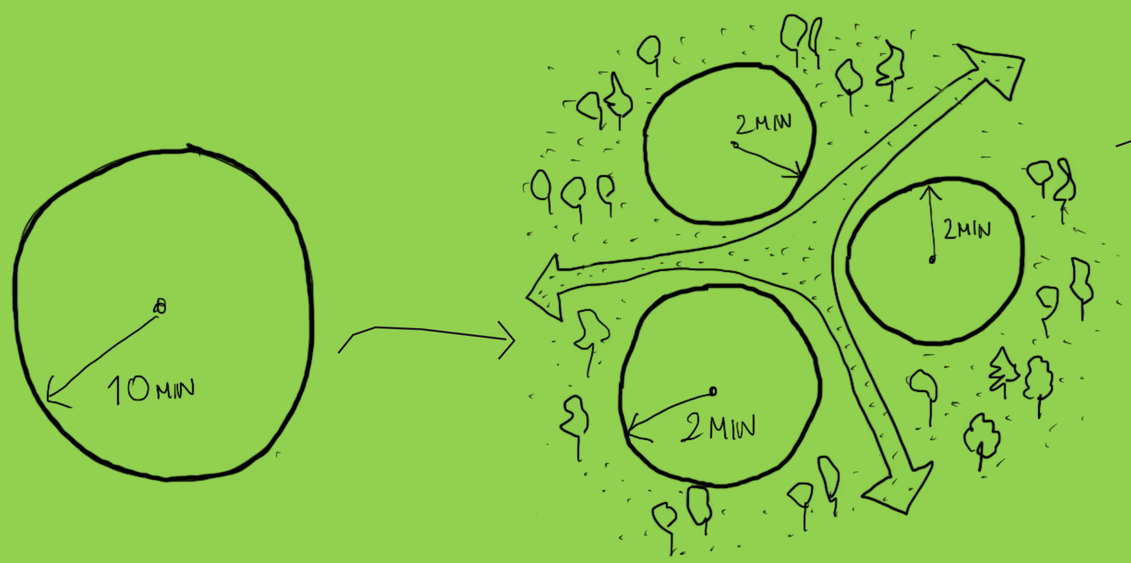


Celebrating diversity

One district – 3 neighborhoods



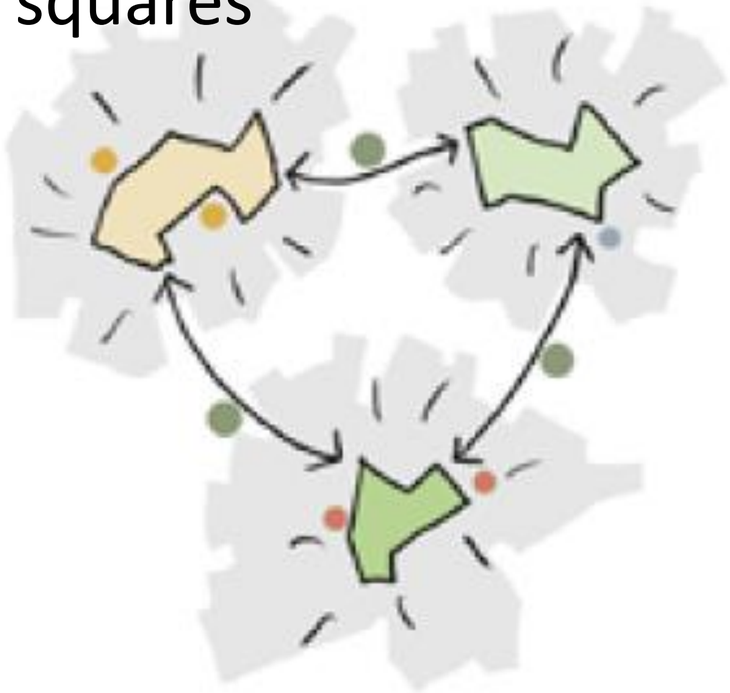
Ca. 2.000 residential units = 5.000 population



3 neighborhoods – 2,000 units
5,000 residents

Henning Larsen — RAMBØLL

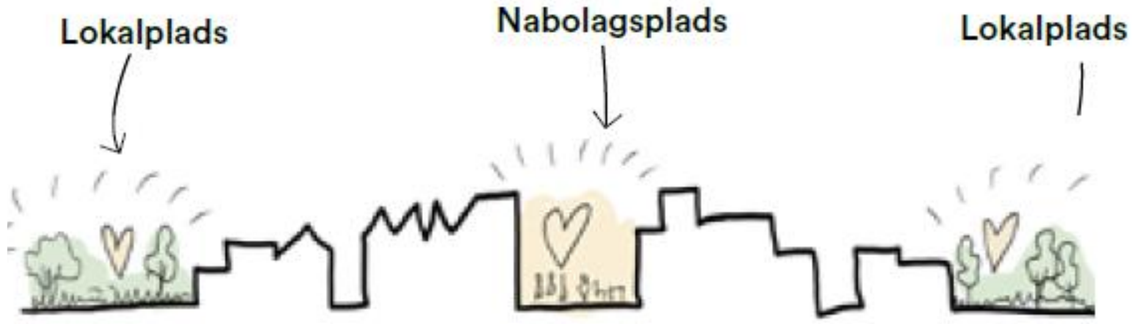
Interaction squares



Nabolagspladser

Centralt i hvert nabolag finder man større byrumspladser, hvor store forsamlinger kan mødes.

Community squares



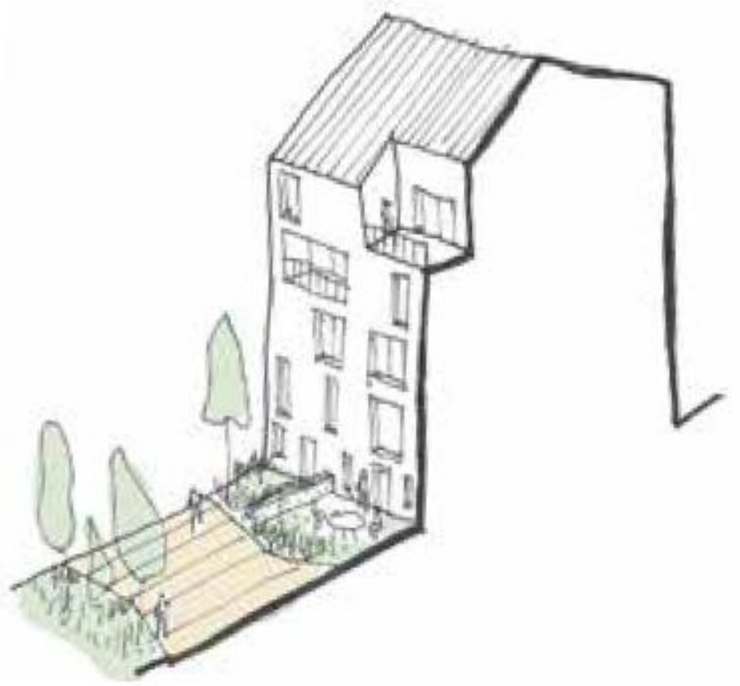
Lokalpladser

På grænsen mellem Fælleden og bebyggelse er der mindre lokalpladser, hvor gadens beboere samles.

Local and private squares

Gårdrum og gade

I gårdrummet kommer naturen helt tæt på og giver mulighed for fællesskabs-dannende aktiviteret med naturen i fokus. Her er der mere roligt og privat



Det nære fællesskab

Langs facader og ved indgangspartier er der små opholdsmuligheder, som skaber ramme om uformelle møder mellem naboer.

SMART TECHNOLOGIES ARE ENABLERS
NO TECHNOLOGY IS SMART IN ITSELF

“A truly SMART society is about people, future, vision, and planning”
This is “Build Back Smarter”

THANK YOU

SØREN HANSEN – SH@HENNINGLARSEN.COM
HEAD OF URBANISM DEVELOPMENT