



Ghent as a Smart City: Inclusive, innovative and durable

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image: beeldbank.stad.gent

TechBoost 2017

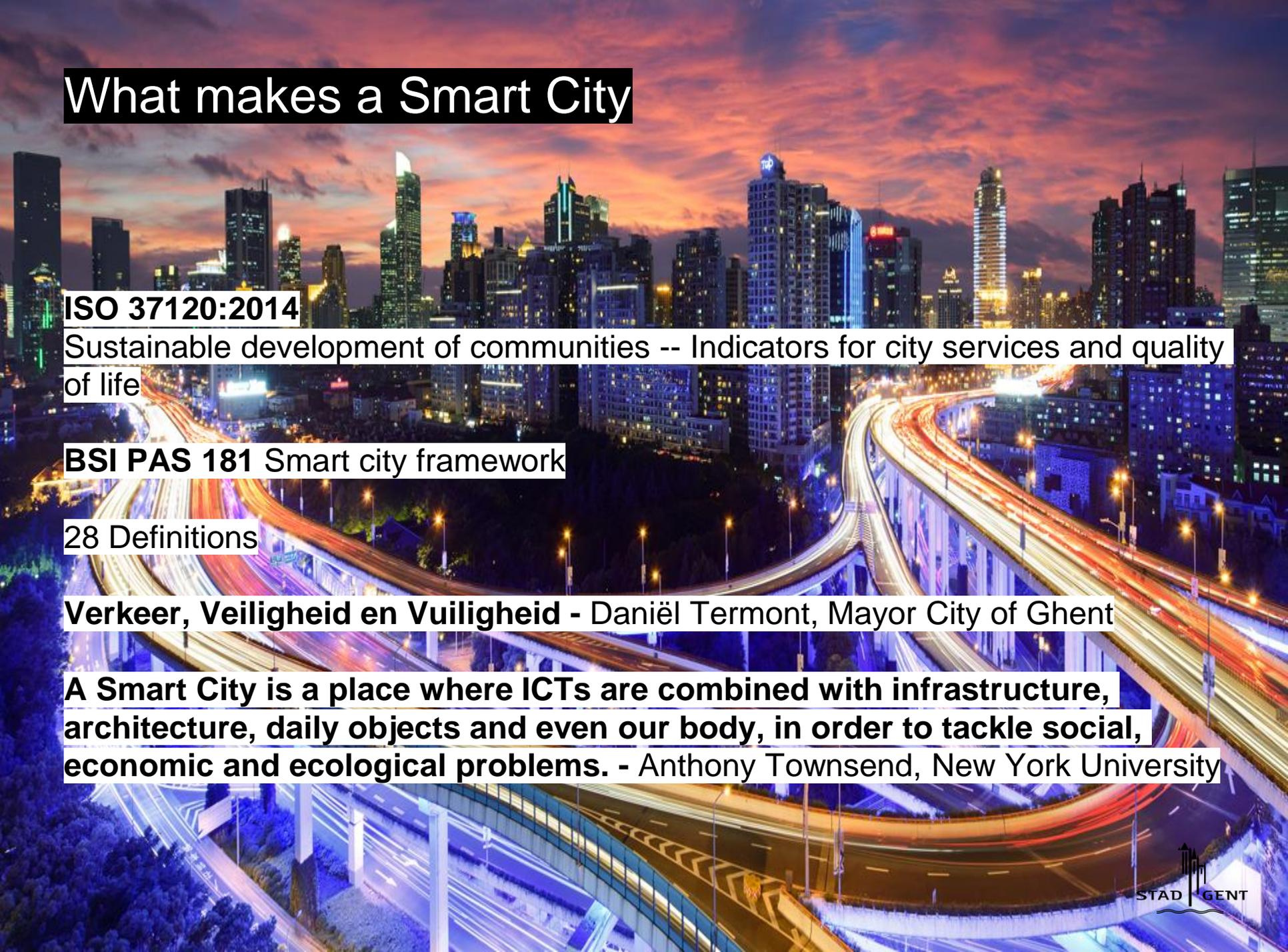
April 27th
Ghelamco Arena





2008: "IBM builds a Smarter Planet"

What makes a Smart City



ISO 37120:2014

Sustainable development of communities -- Indicators for city services and quality of life

BSI PAS 181 Smart city framework

28 Definitions

Verkeer, Veiligheid en Vuiligheid - Daniël Termont, Mayor City of Ghent

A Smart City is a place where ICTs are combined with infrastructure, architecture, daily objects and even our body, in order to tackle social, economic and ecological problems. - Anthony Townsend, New York University

What makes a Smart City

“A city can be described as a smart city when investments in human and social capital and in traditional and more innovative communication are supporting a sustainable development. We are processing a sustainable use of natural resources and pursuing a participative local policy. A smart city should be a perfect venue to live, including an optimum quality of life and an efficient use of means.”

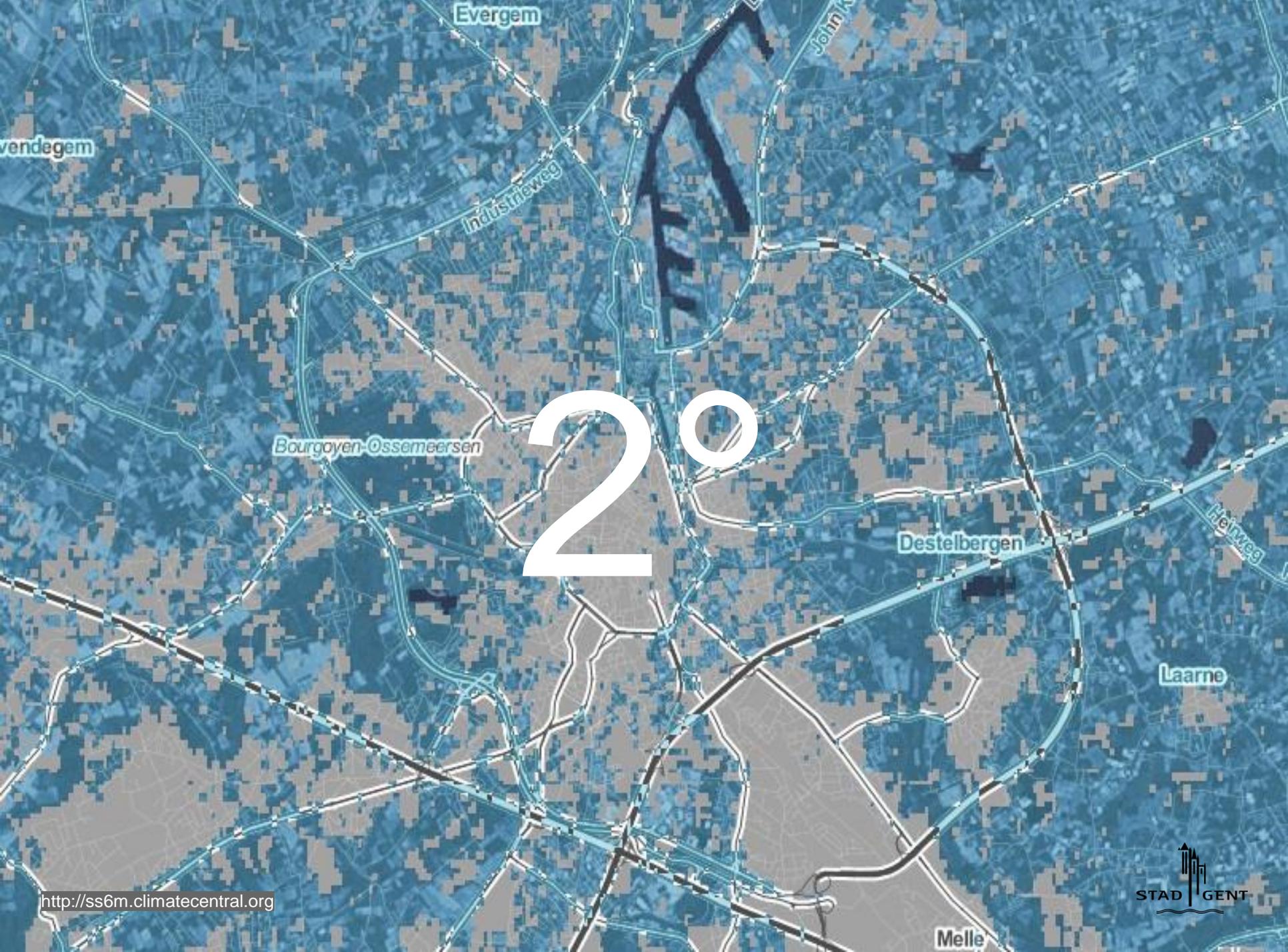
What makes a Smart City

Smart Citizens



ORGANISATION EUROPÉENNE POUR LA RECHERCHE
CERN
ORGANISATION EUROPÉENNE POUR LA RECHERCHE
CERN
This machine is a ser
DO NOT POWER
DOWN!!





Evergem

Everdegem

Industrieweg

John

Bourgoyen-Ossemeersen

20

Destelbergen

Heilweg

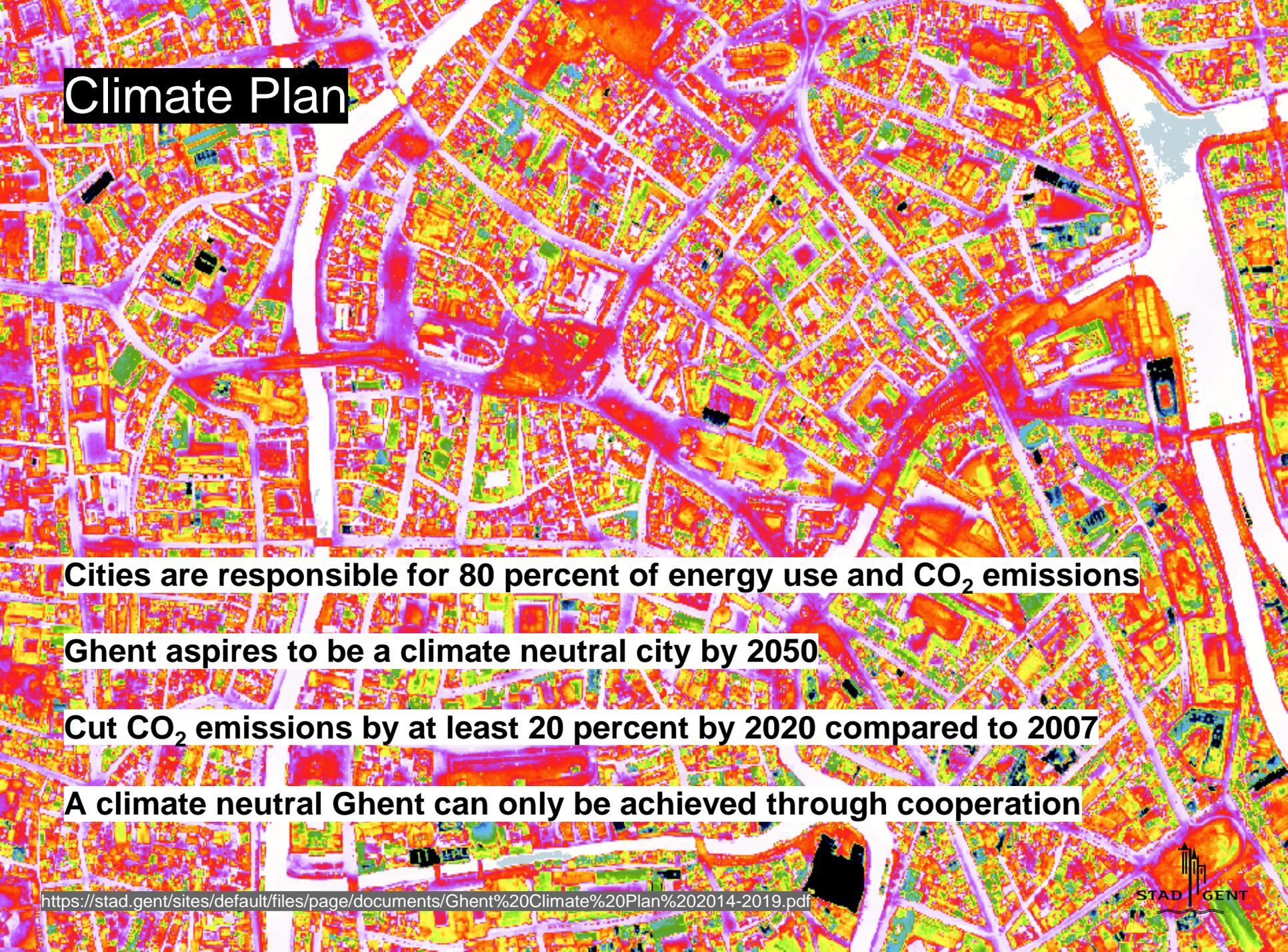
Laarne

Melle

<http://ss6m.climatecentral.org>



What is Ghent doing?

The background of the slide is an aerial photograph of a city, likely Ghent, Belgium. The image is overlaid with a color-coded map that shows energy use or CO2 emissions. The colors range from green (low emissions) to red and orange (high emissions). The city's street grid is clearly visible, and the color overlay is most intense in the central and eastern parts of the city.

Climate Plan

Cities are responsible for 80 percent of energy use and CO₂ emissions

Ghent aspires to be a climate neutral city by 2050

Cut CO₂ emissions by at least 20 percent by 2020 compared to 2007

A climate neutral Ghent can only be achieved through cooperation

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



THE GLOBAL GOALS

For Sustainable Development

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND

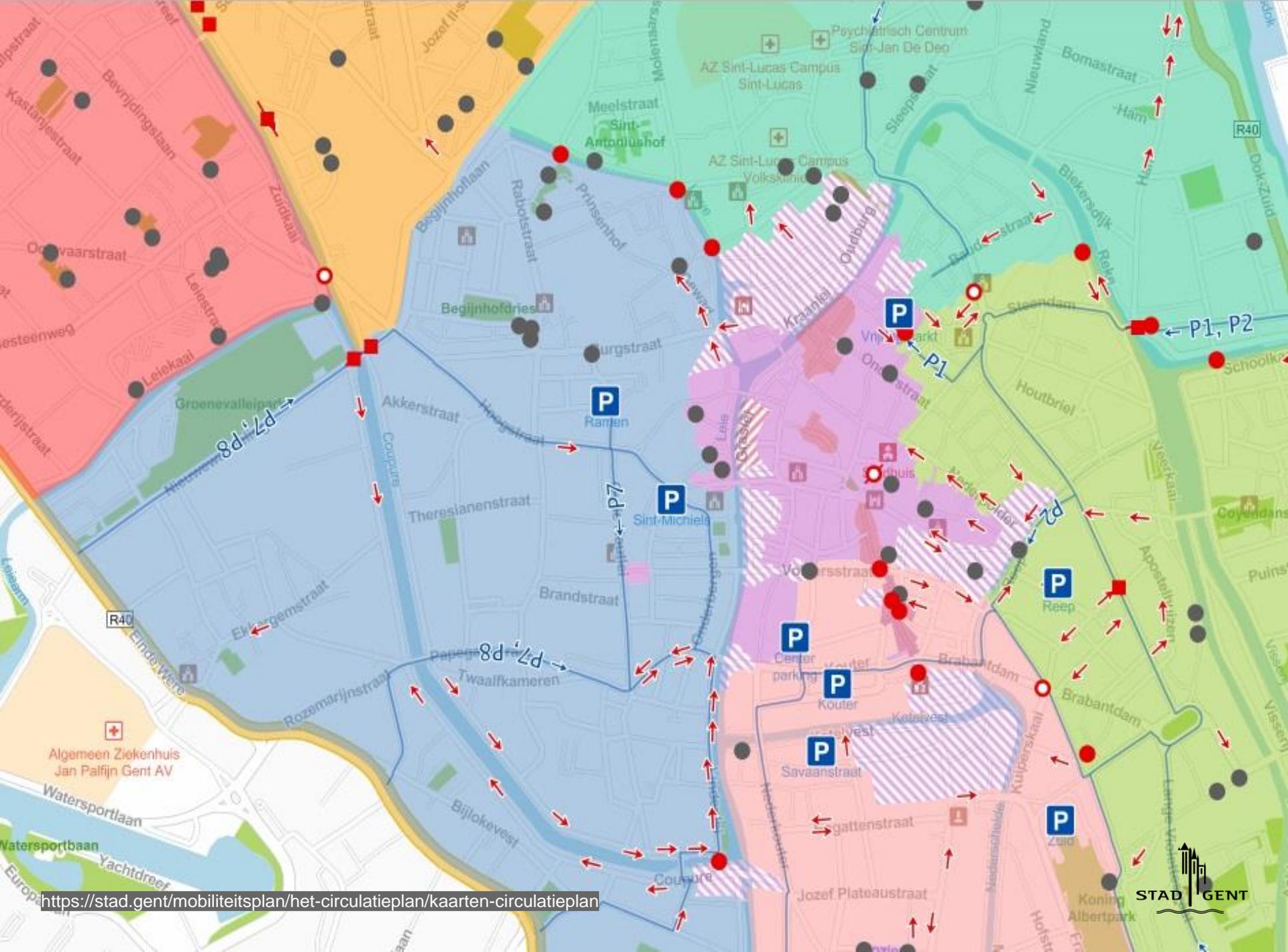


16 PEACE AND JUSTICE STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS

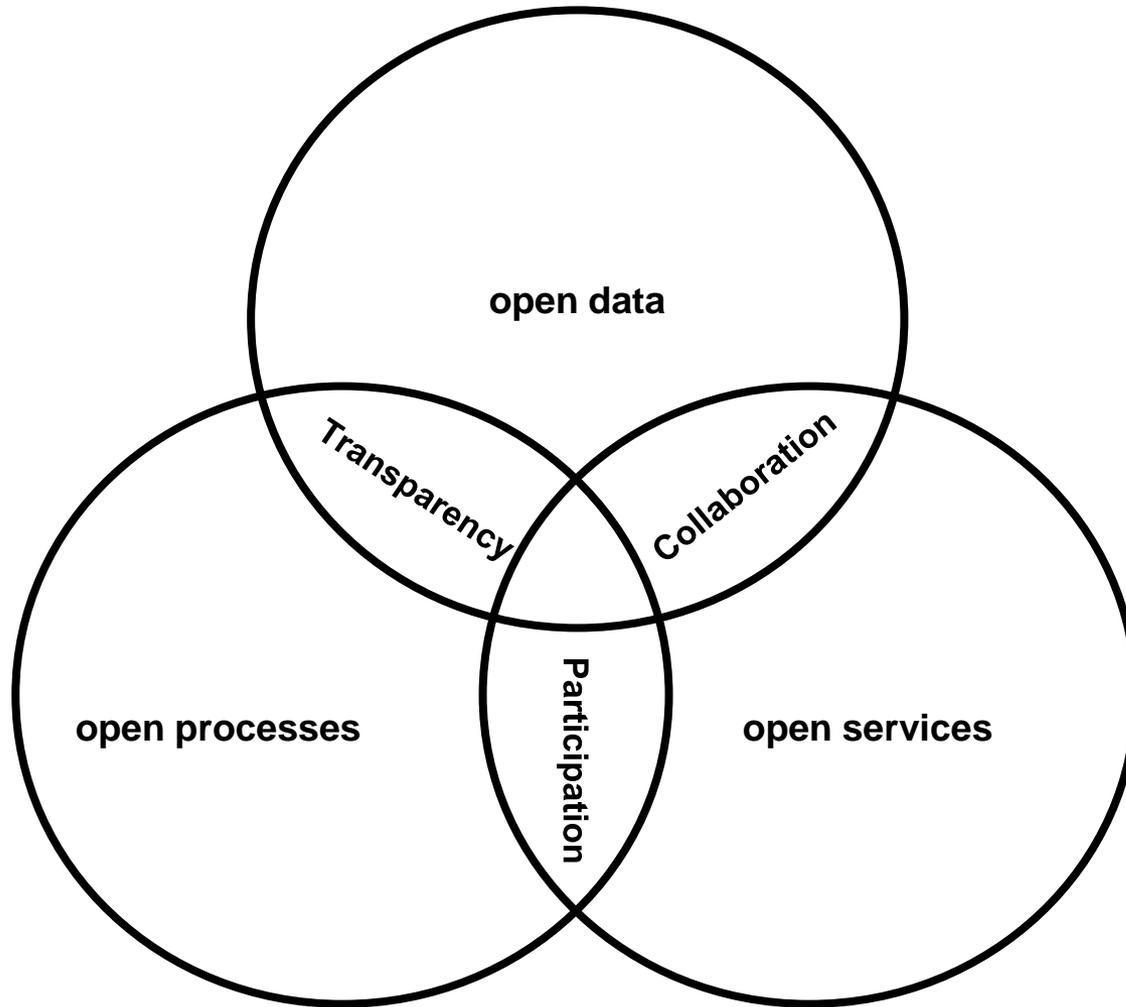




<https://stad.gent/mobiliteitsplan/het-circulatieplan/kaarten-circulatieplan>

What are you doing?

Open Government





crowdfunding

.GENT





DE KROOK

#AppsForGhent

Don't feed the hackers!

More info
www.AppsForGhent.be

gent digipolis DE KROOK

NIVEAU -4 KANTOEN
met LGent, Cultureconnect

NIVEAU +1 BIBLIOTHEEK
Linnéa, Magasin, Kantoren
Kantoren en werkplekken

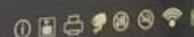
NIVEAU +2 BIBLIOTHEEK
Non-Fictie
DIGITAL TALENT POINT
ADVISEURPUNT De TrapTOPunt, Versuivend
ZAAL, Terrassen terras, De vier wonderen (Dijck)

NIVEAU -1 BIBLIOTHEEK
Fictie, Muziek, Film, Taal, Strip
ZAAL De Lantaren, De Toekomst
DE TRAP VAN STEEN EN WOLVEN

NIVEAU 0 BIBLIOTHEEK
Agenda, informatie en activiteiten, Reserveringen
KOFFIECAFÉ

NIVEAU -4 KINDERBIBLIOTHEEK
Zelfstudie
INFO en ONTHALP
ZAAL De Blauwe Vagel, 100, 1000
Urgency En More

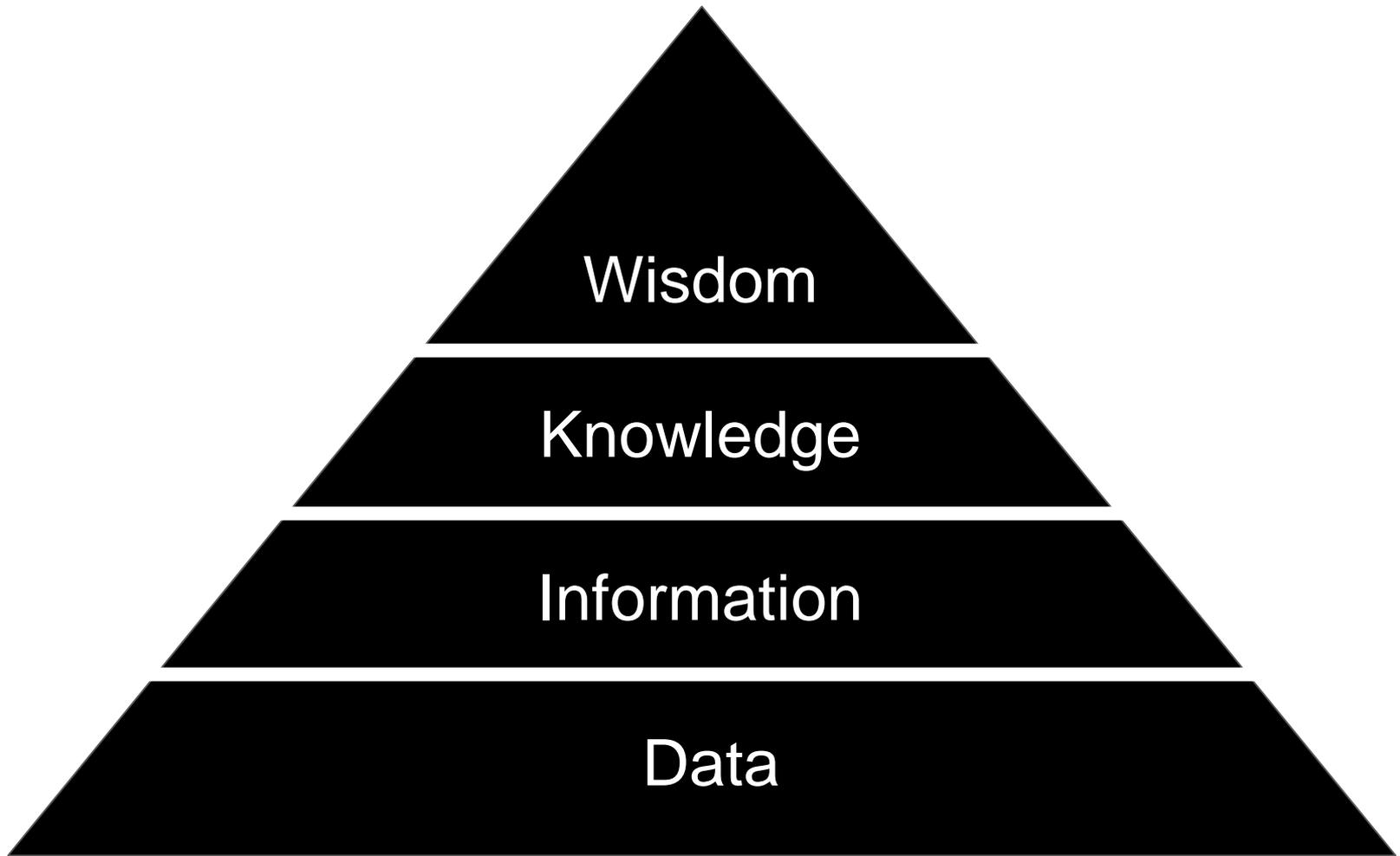
NIVEAU -2 ZIJNERBIBLIOTHEEK
Zelfstudie
LABS
LGent, More

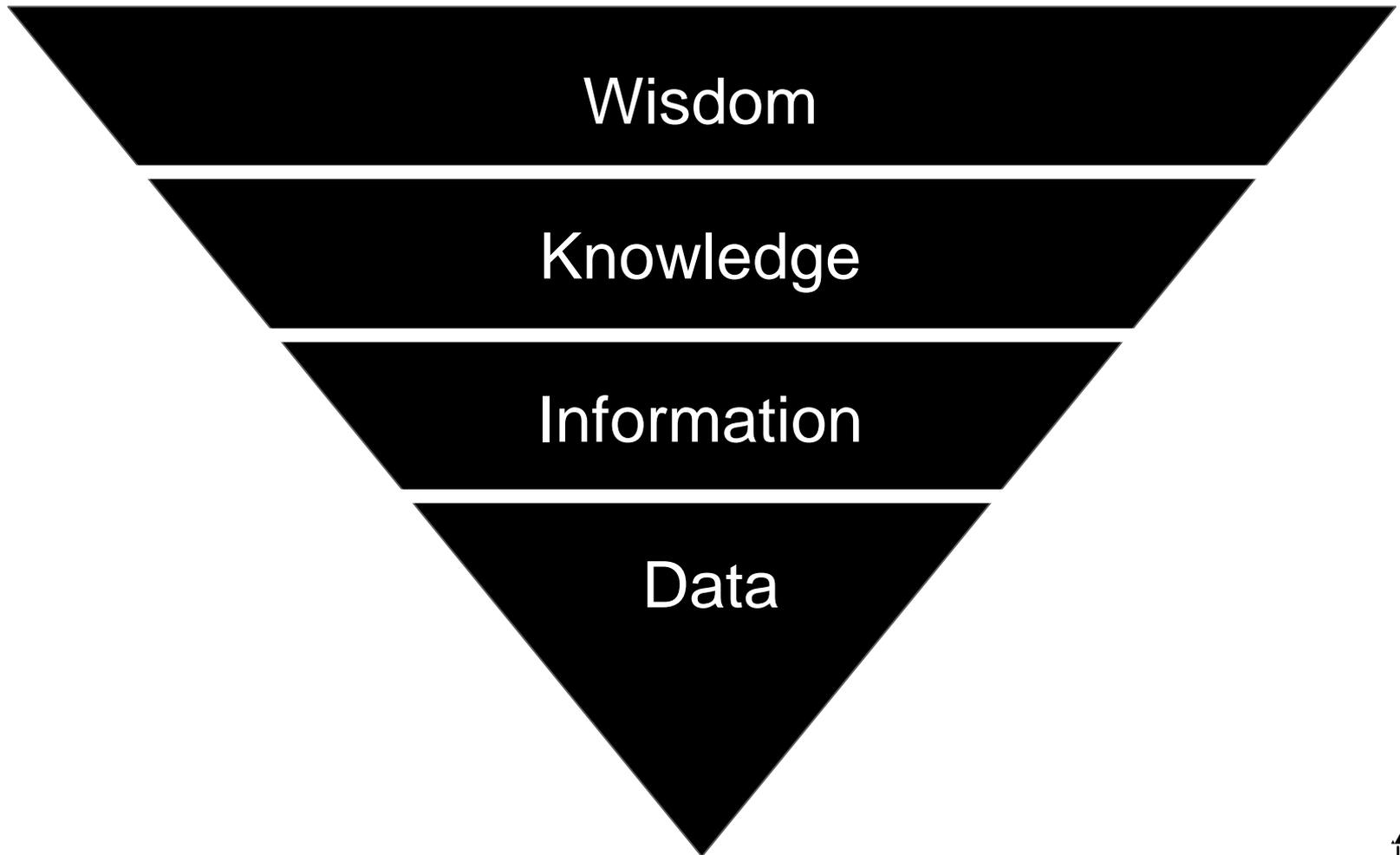


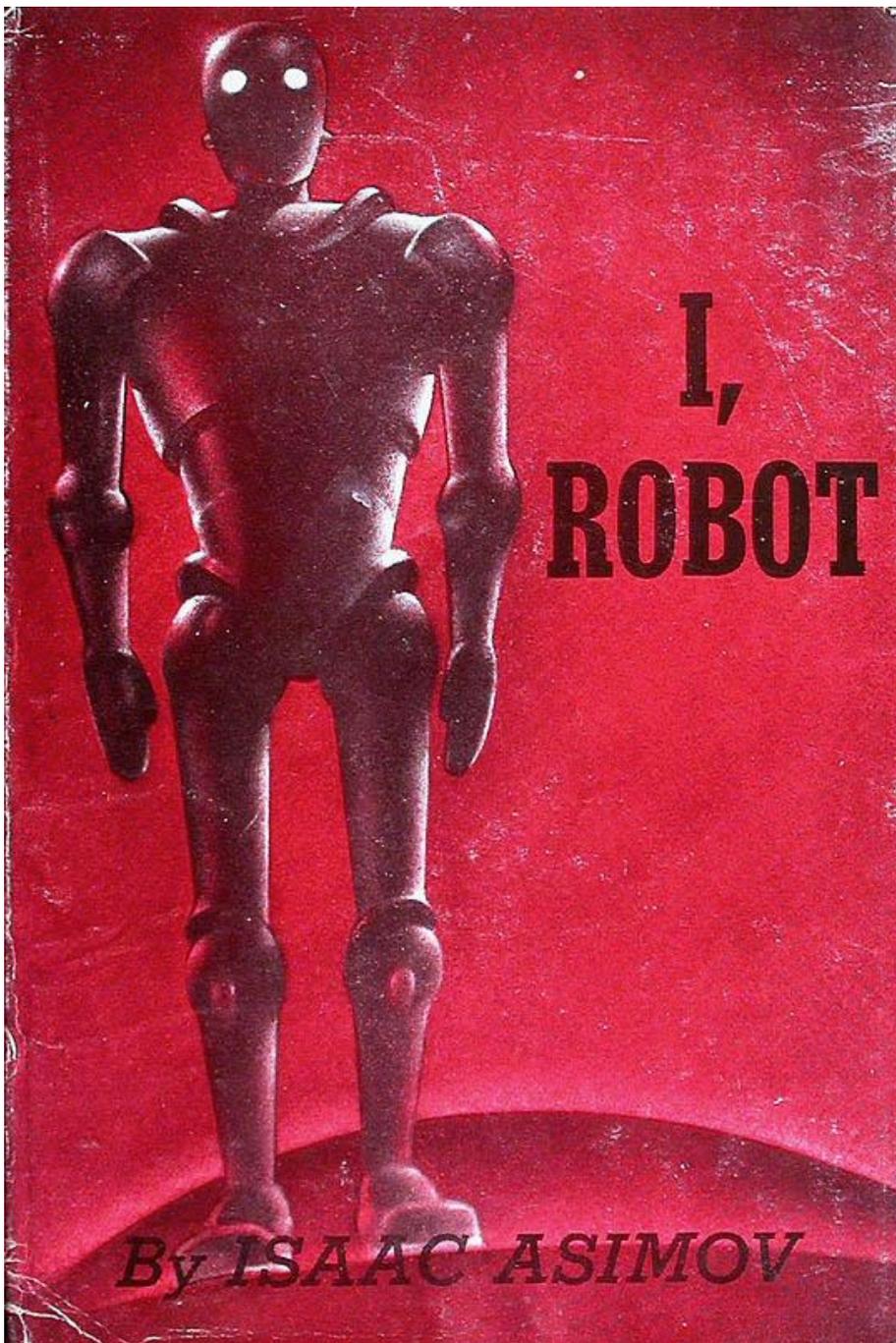


<http://commons.gent>





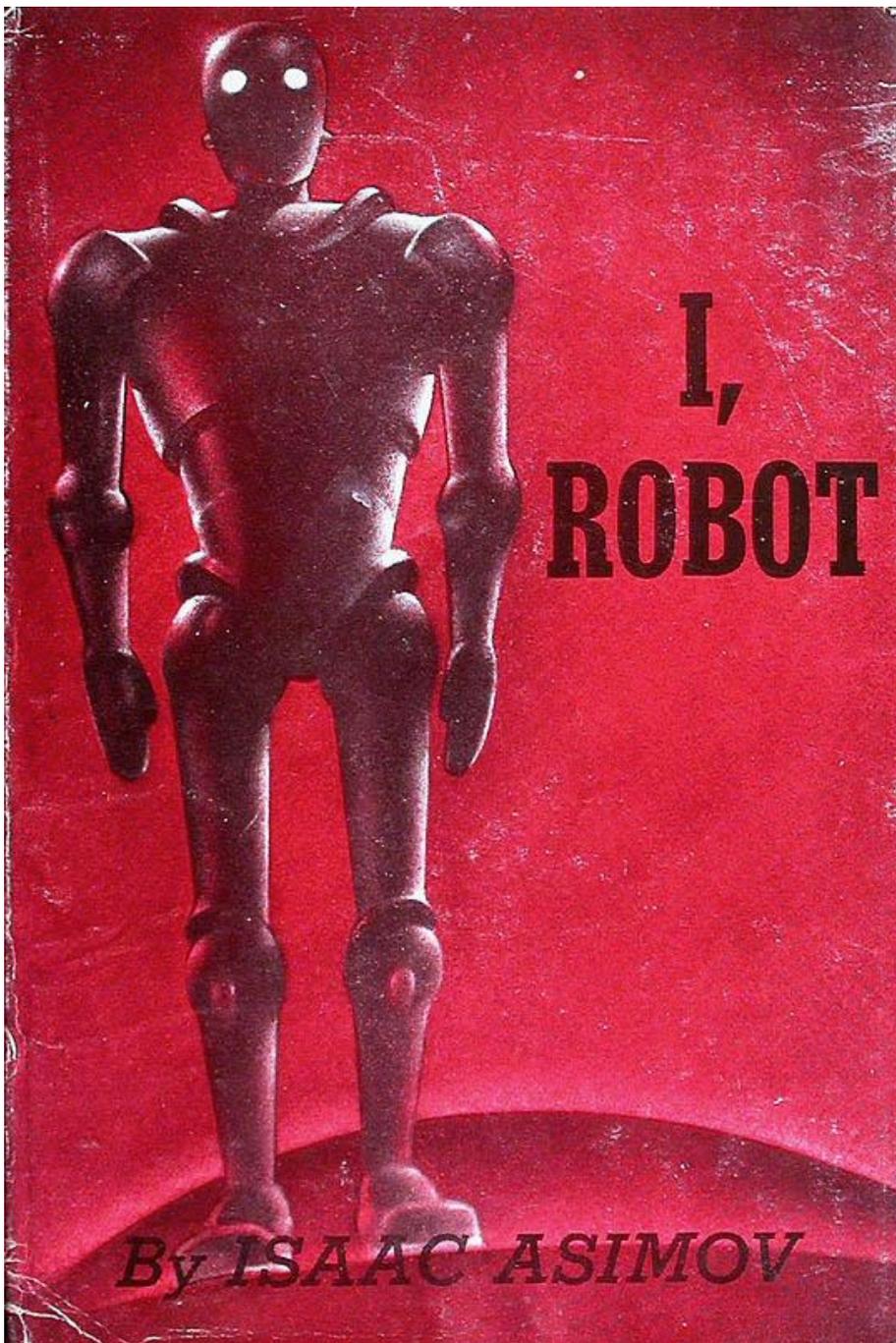




1. A robot may not injure a human being or, through inaction, allow a human being to come to harm.

2. A robot must obey orders given it by human beings except where such orders would conflict with the First Law.

3. A robot must protect its own existence as long as such protection does not conflict with the First or Second Law.



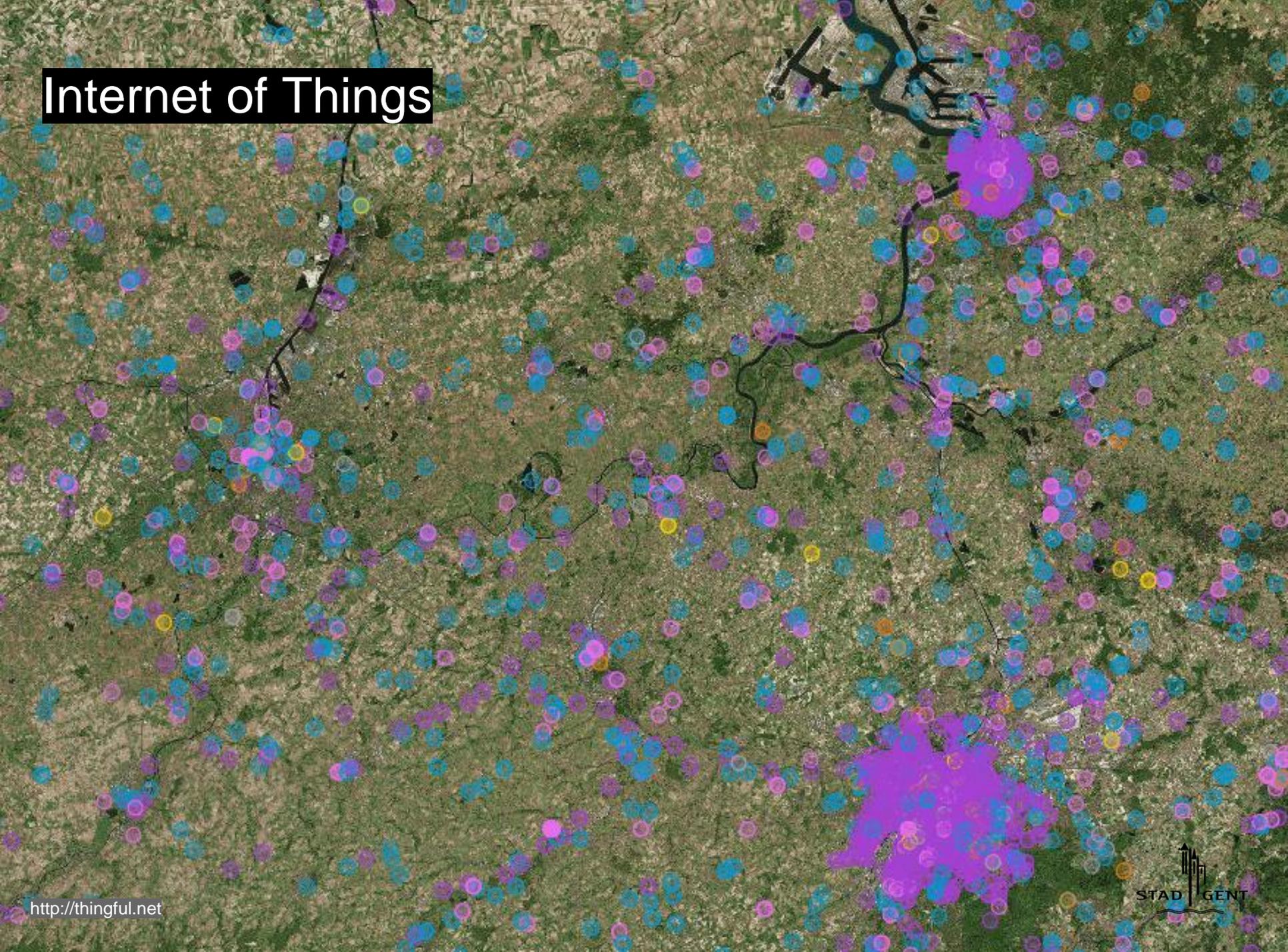
0. A robot may not injure humanity, or, by inaction, allow humanity to come to harm.

1. A robot may not injure a human being or, through inaction, allow a human being to come to harm.

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3. A robot must protect its own existence as long as such protection does not conflict with the First or Second Law.

Internet of Things





Thank You!

<http://data.stad.gent>

<http://www.appsforghent.be>

<http://stad.gent/sparql>

<https://stad.gent/smartcity>

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