

Gent Klimaatstad  
draait overuren



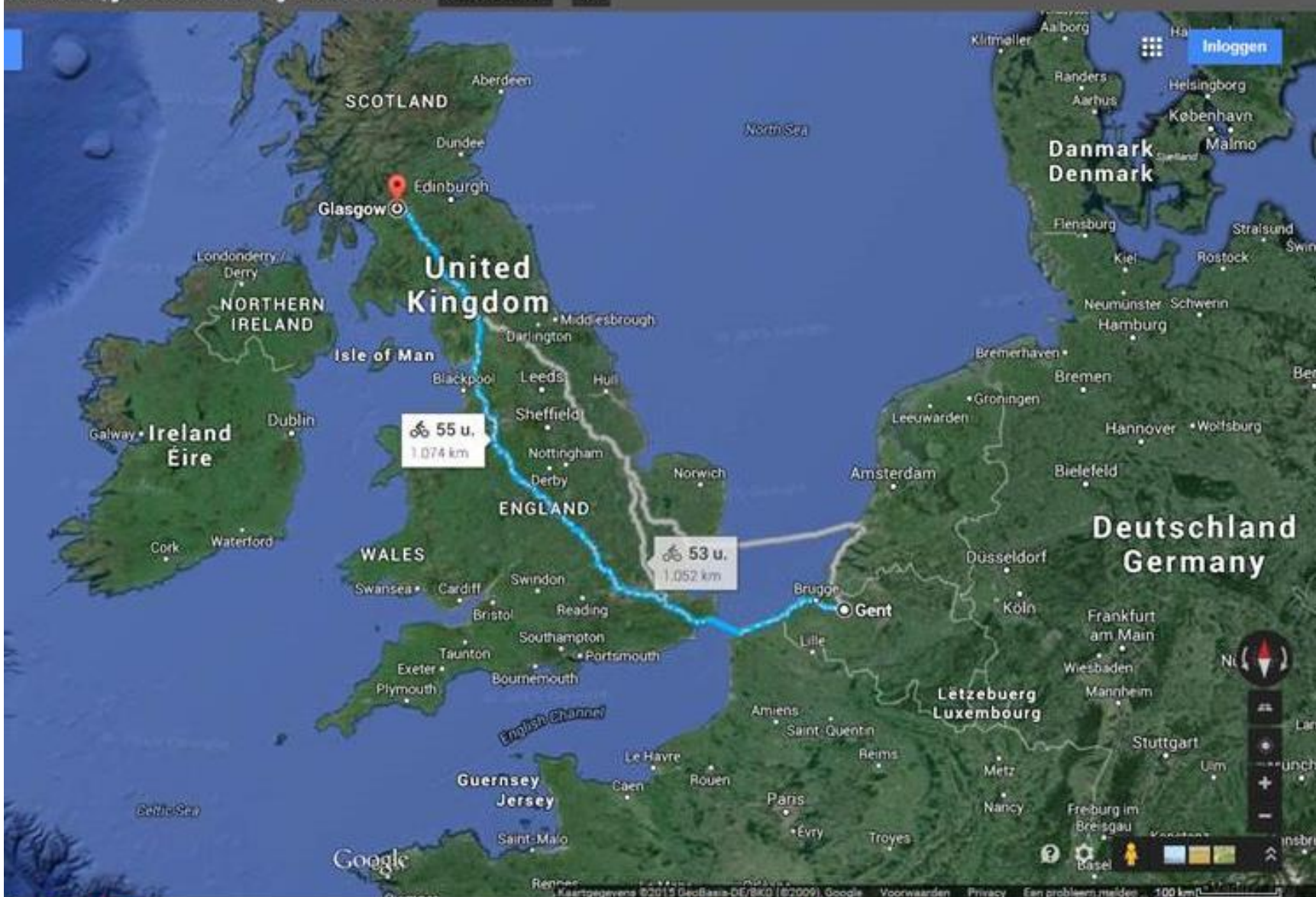
Gents Klimaatplan  
2014-2019

Ghent climate city  
is working  
overtime

2014-2019

Ghent  
Climate Plan

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247.000 inhabitants- 113.000 families



56 squares and 74 parks



35 hotels and 450 restaurants



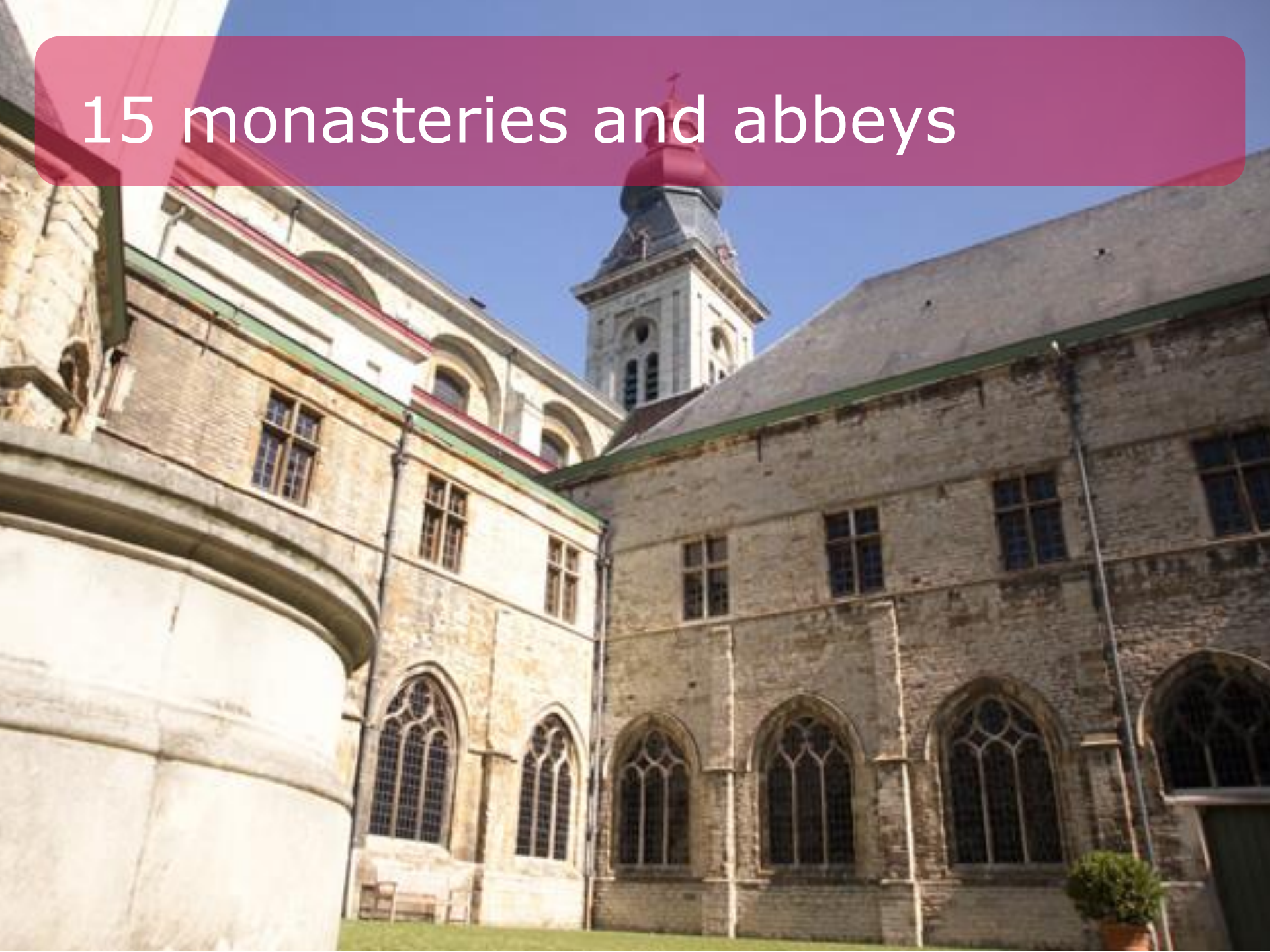
650 pubs



# 10 museums and 10 theaters



# 15 monasteries and abbeys





300 schools  
>130.000 students



1000 km roads  
380 km bicycle paths





And ...

- Port of Ghent:
  - 17.500 ships
  - 47,7 M ton goods transferred
- employment: 60.000 persons

One city ...



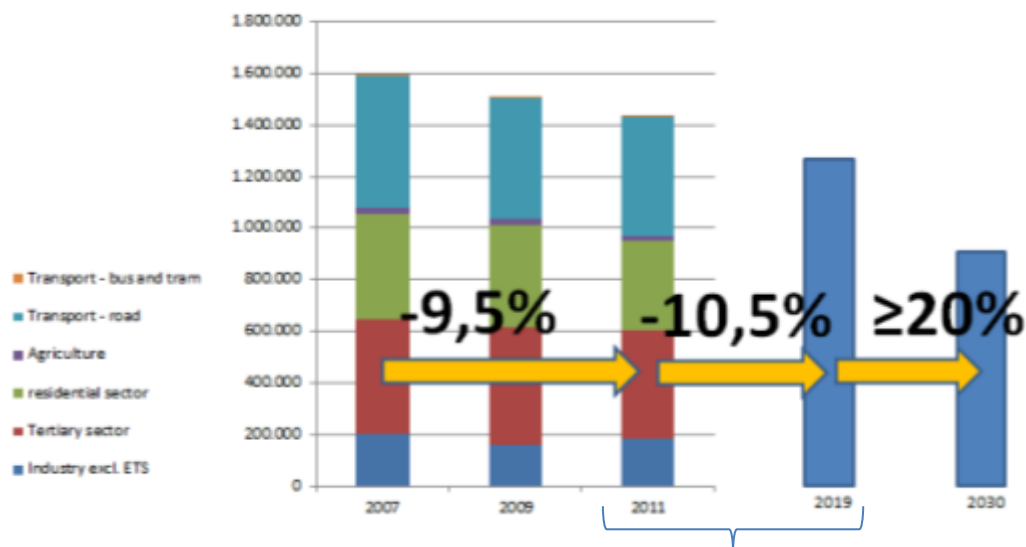
# One mission

‘Gent is een open, solidaire, wijze en kindvriendelijke stad. Zij verbindt alle krachten om de stad uit te bouwen tot een blijvend leefbaar geheel en zo de toekomst verder vorm te geven. **In a creative way Ghent wants to be frontrunner in the transition towards a low carbon city.** We bouwen verder aan een milieuvriendelijke en gediversifieerde economie die welvaart brengt voor iedereen. Zo ontwikkelen we ons tot een gemeenschap van verantwoordelijke burgers die zich vrij kunnen ontplooiën en op de nodige ondersteuning kunnen rekenen’.

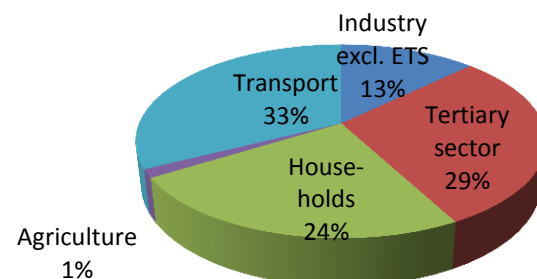


# Challenge

## CO2 emissions



## % CO<sub>2</sub> per sector (2011)



Still 10,5% or 169.000 ton CO<sub>2</sub>/y to go =



277.000 times flying between London and New York



7.041.000 trees to plant



42.250 houses to be made CO2N



24.400.000 days no car

Climate is more than energy ...





# Two step approach



# Building on ...



# We have built this SEAP



# Our new SEAP says something about ...

Residential  
sector

City  
as example

Businesses and  
Tertiary sector

Renewable  
Energy and  
waste heat

Transport

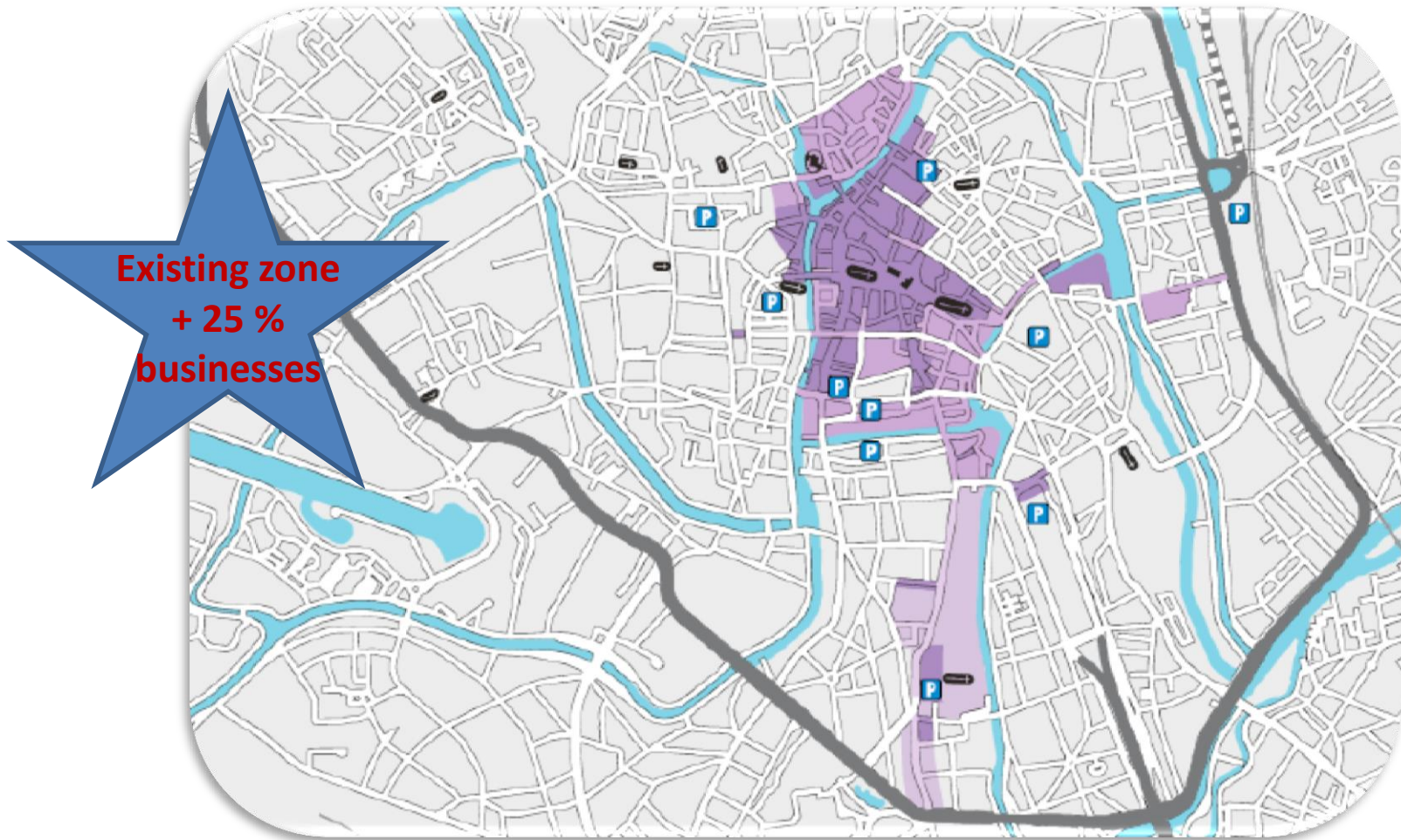
Food

# Ghent received the Climate Star for energy coaching for enterprises in October 2014

**Targets  
2015  
reached**



# Pedestrian area will be doubled



Existing zone  
+ 25%  
businesses

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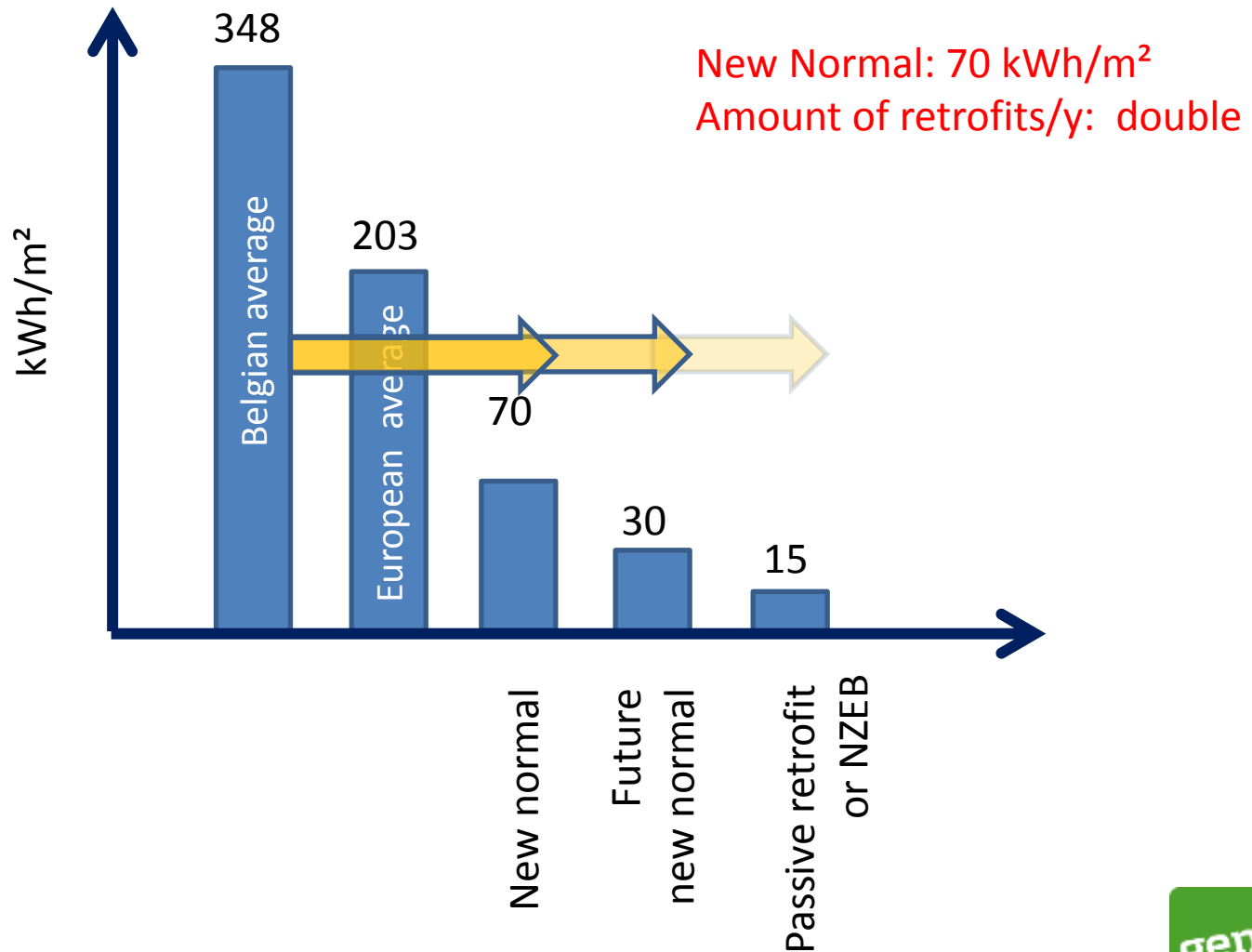
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# Ambitions for retrofit



# What motivates ?





## Measures:

- Ghent Climate City - Platform to exchange ideas and actions



- Campaign for retrofit assistance:



- Energy scans especially for socially deprived households:

Energy Agency REGent

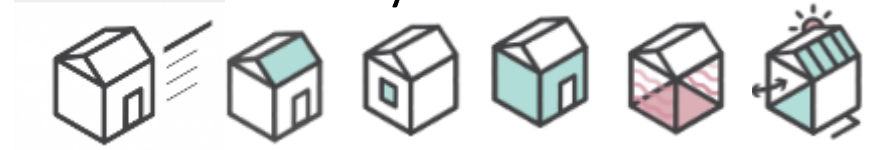


- Active screening for stakeholder initiatives: sustainable districts



**Duurzame wijken**

- ICT tools and events: 'check your house'



**Ghentlivinglab**





>1.000.000 €



Measures:

- Free sustainable building advice at home and support for subsidy application



- **Unburdening project:** taking over practical issues for implementing a retrofit measure like finding a contractor

- for socially deprived households



and from mid 2015 for all households



with **special focus on elderly people**  
(to avoid stand still and rental houses)



> 8.224.000 €



## Measures:

- Energy subsidies **tailor made** on the income of households
- Link with subsidies for qualitative living
- Cheap loans (2%) for energy investments especially for social deprived households (0% + link subsidies)
- Crowdfunding and participation platform
- Subsidies for **citizen-led bottom-up initiatives** contributing to **sustainable districts** (also for other stakeholders)



# Bottom up initiatives

## Sustainable districts

Max. 12.000€ support for collective bottom up initiatives **to improve stakeholder's levers and project quality**

- Neighbour power
- LED in the house
- Group purchases for retrofit
- Co-housing goes geothermal
- Developing a revolving fund for community land trust
- A green living street
- ...







# Innovative project

District Sint-Amandsberg-Dampoort



**A liveable district ...**



**How to make an existing district climate neutral? ..**

Building a district SEAP by linking

- Opportunities
- Citizen engagement
- already running pilots/experiments
- available tools and financial levers
- Interaction with projects nearby (Old Docks)

# Social housing

- Speeding up retrofit: 2.000.000€
- Renovation plan on energy from most important social housing company: Woningent
- More cooperation between social housing companies and Energy Agency REGent



De Gentse Haard

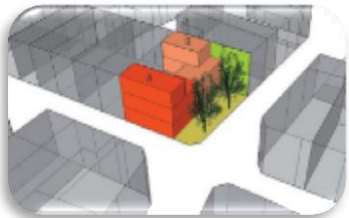


# New homes

- Flemish policy, no levers
- City can set ambitions as land owner: towards NZEB and innovation
- Big and small sustainable projects: > 17M€
- 1M€ to support collective systems on renewable energy

## Innovatieve project: Old Docks

CO2N district with energy from waste water and kitchen waste



# Measuring system for sustainability



face 1   face 2   face 3   face 4   face 5   face 6

REQUIRED						0.	Integrated project process
11	19	20	20	22	22	1.	Location and function
14	27	30	30	30	30		
79%	70%	67%	67%	73%	73%		
0	3	8	12	13	13	2.	Mobility
0	7	16	17	19	20		
	43%	50%	71%	68%	65%		
0	4	5	5	8	11	3.	Natural environment
0	8	10	16	20	20		
	50%	50%	31%	40%	55%		
0	2	2	8	8	8	4.	Water
0	8	8	10	10	10		
	25%	25%	80%	80%	80%		
0	0	2	2	4	7	5.	Materials and waste
0	0	2	2	10	10		
	100%	100%	40%	70%			
0	0	12	17	19	21	6.	Energy
0	0	30	30	30	30		
	40%	57%	63%	70%			
3	4	11	13	13	13	7.	Health, liveability and accessibility
6	9	16	19	19	20		
	50%	44%	69%	68%	65%		
0	1	5	5	7	9	8.	Economy and work
0	2	6	6	8	10		
	50%	83%	83%	88%	90%		
0	0	3	3	3	6	9.	Innovation
0	0	5	5	5	10		
	60%	60%	60%	60%			
REQUIRED						10.	Maintain
14	33	68	85	97	110	TOTAL SCORE	
20	61	123	135	151	160		
70%	64%	66%	83%	84%	89%		

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# And the result is?

Excl. district heating in harbour area

**> 105 M**



Excl. staff

**-169.872 ton**



**-11,8%**



# Ghent Climate City

