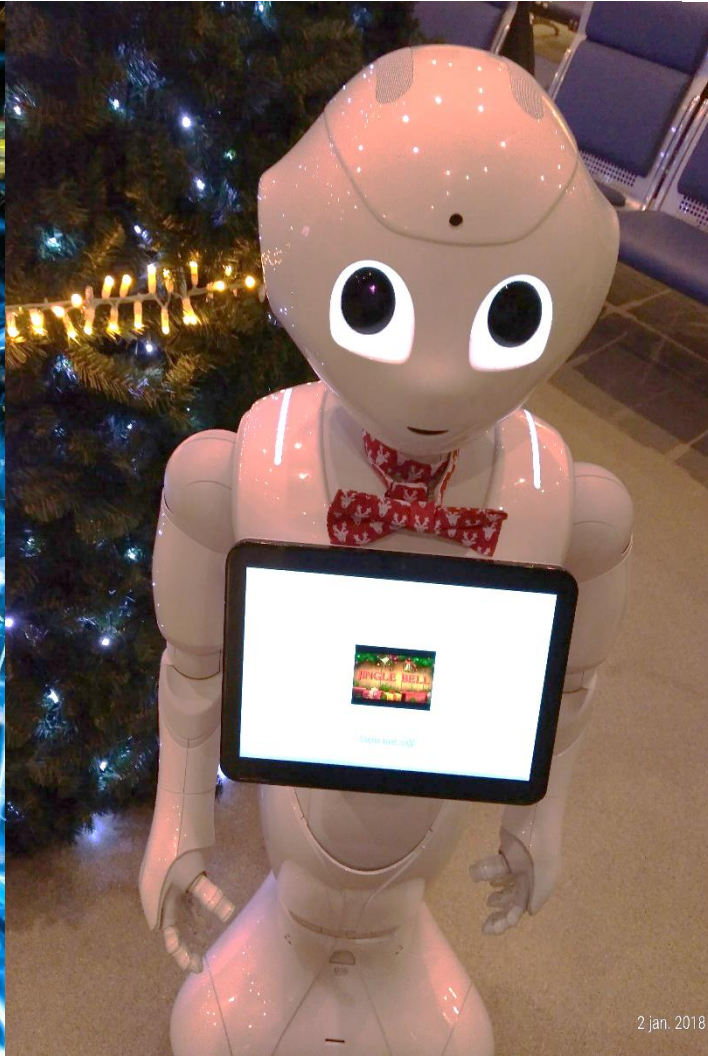
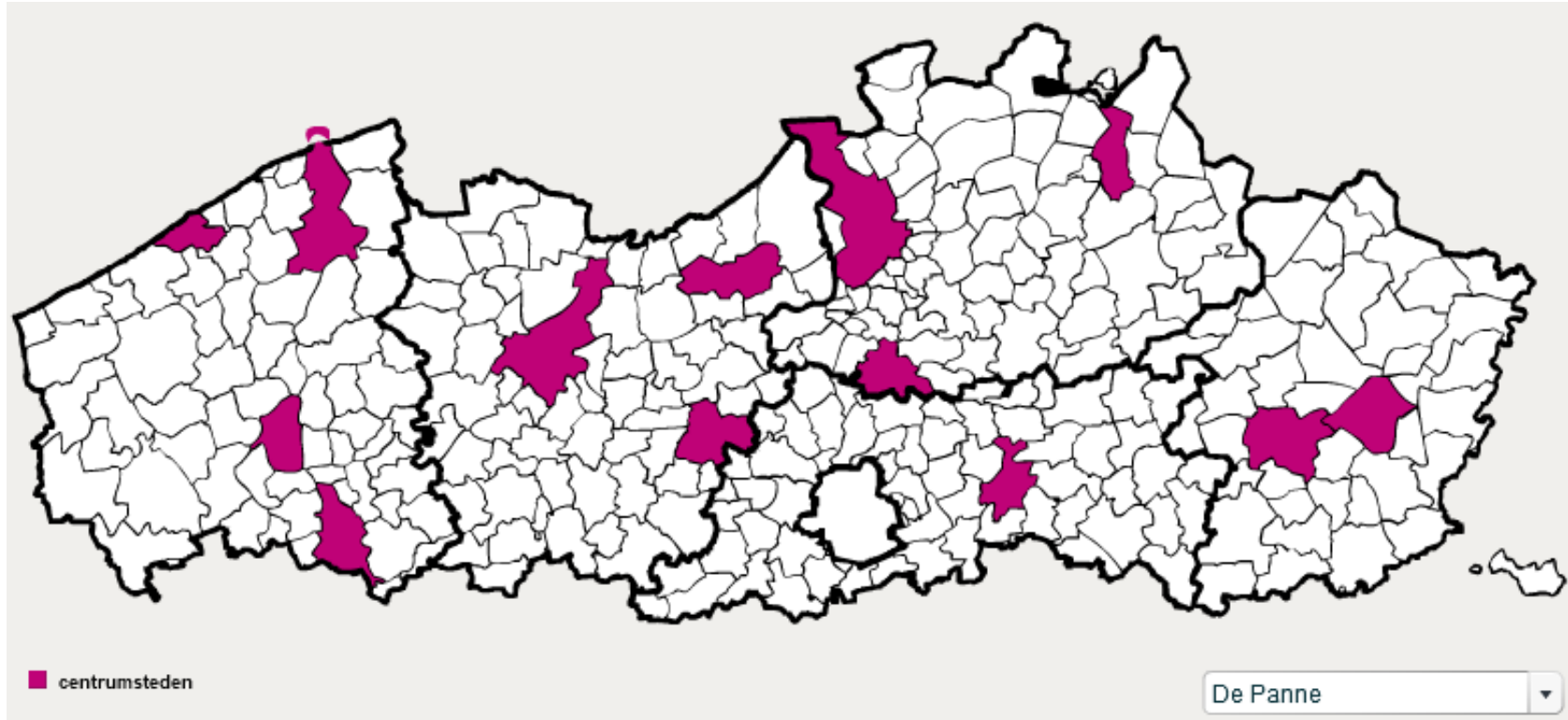


# Lessons from Smart Cities - for Smart Villages

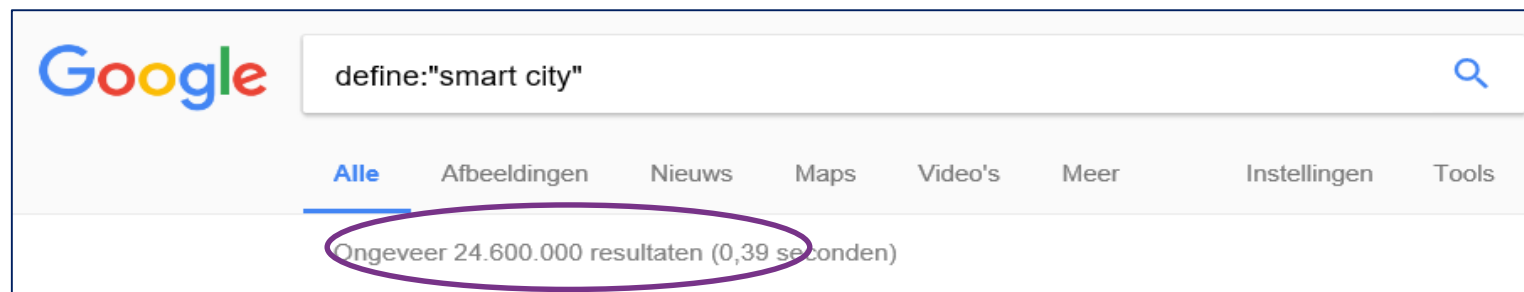


# Smart cities and our organization



Association of Flemish Cities and Municipalities (VVSG)  
308 cities and municipalities

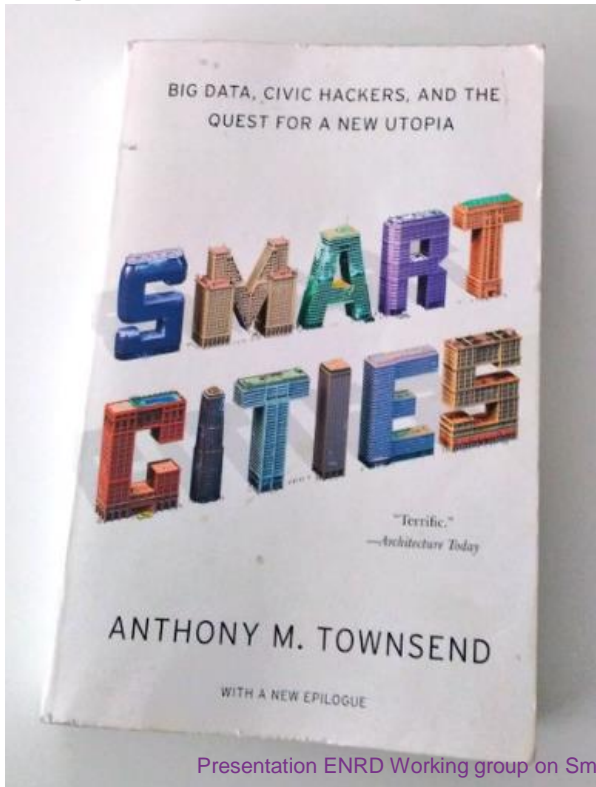
# What is a smart city?



# What is a smart city?

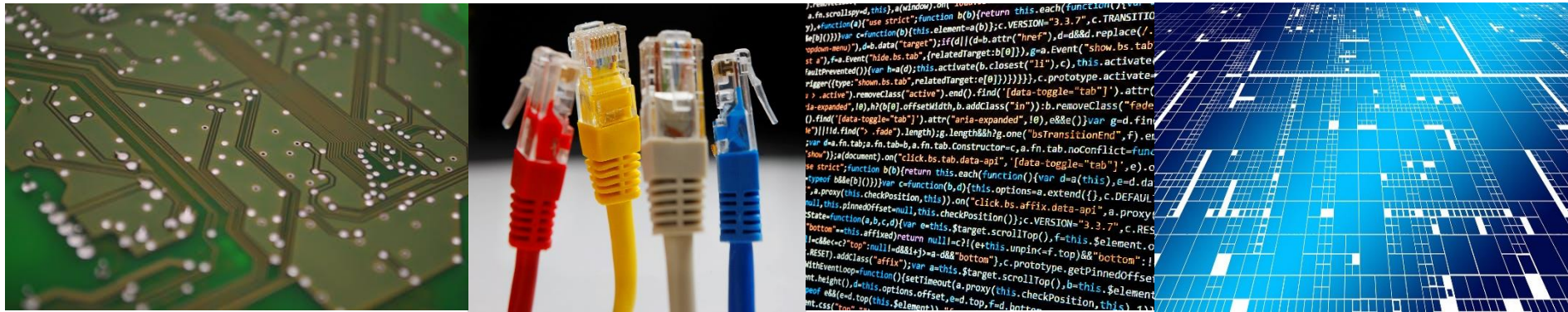
*“Smart cities are places where information technology is combined with infrastructure, architecture, everyday objects, and even our bodies to address social, economic and environmental problems.”*

Anthony M. Townsend, American researcher, author of the book “Smart Cities”



# What is a smart city?

## Important elements:



- ICT, technology, data
- Connections - “The internet of things” → The internet of everything
- Solutions for goals for urban challenges (mobility, safety, the environment...) → improving liveability and sustainability

# Smart city vs. smart village

---

*“ Smart Villages are rural areas and communities which build on **their existing strengths and assets** as well as on developing **new opportunities**”, where “traditional and new networks and services are enhanced by **means of digital, telecommunication technologies, innovations** and the better use of **knowledge**”.*

Eu Action for Smart Villages, European Commission

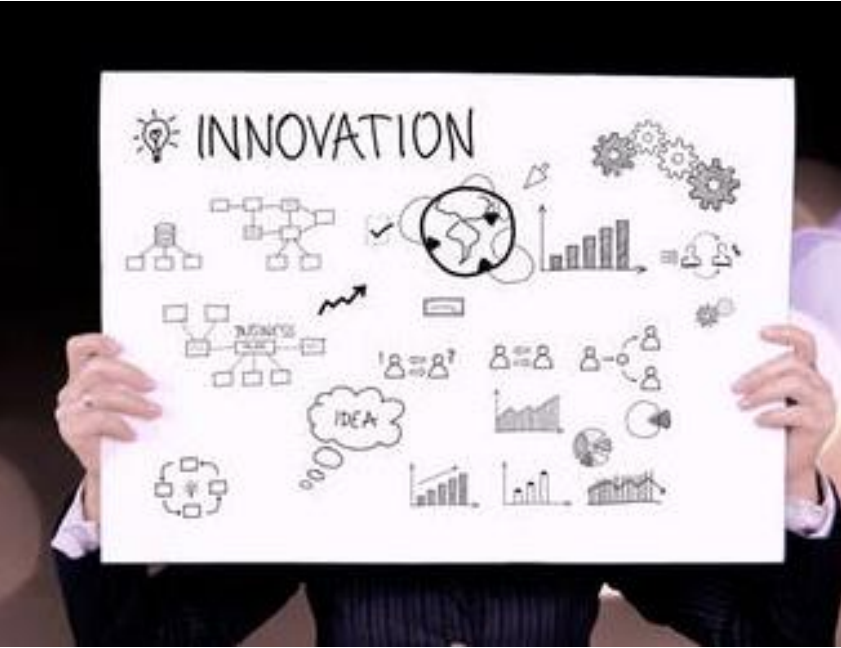


**Start from the challenges**



**Challenges → Defining goals → policy → actions**

*Technology as an enabler*







**Define your local DNA**

# Define your local DNA

## Antwerpen, city of things

**EMERCE** INTERNET OF THINGS

HOME / INTERNET OF THINGS / ANTWERPEN WORDT 'CITY OF THINGS'



Redactie Emerce

NIEUWS - 17 juni 2015 - 15:08

### Antwerpen wordt 'City of Things'



De stad Antwerpen gaat via de signalen van smartphones volgen hoe mensen zich bewegen naar en in de stad. Het project, het grootste in zijn soort in Europa, gaat eind dit jaar van start.

City of Things wordt een samenwerking van het Vlaams digitaal onderzoekscentrum iMinds, de stad Antwerpen en de mobiele netwerkprovider Mobile Vikings.

Volgens de [Gazet van Antwerpen](#) worden op verschillende plekken in de stad, vooral in het toeristisch centrum en op drukke winkel- en verkeersassen, een groot aantal sensoren geplaatst. Die zullen signalen opvangen en verwerken.

Het project zegt de privacy te garanderen. Men pikt alleen het signaal op. Er wordt niemand individueel gevolgd.

- Connected city
- Urban lab – smart city zone
- Sensors and camera's
- Safety as an important incentive

# Define your local DNA

## Ghent, City of (smart) people



## TOMORROW GHENT - Smart City of People

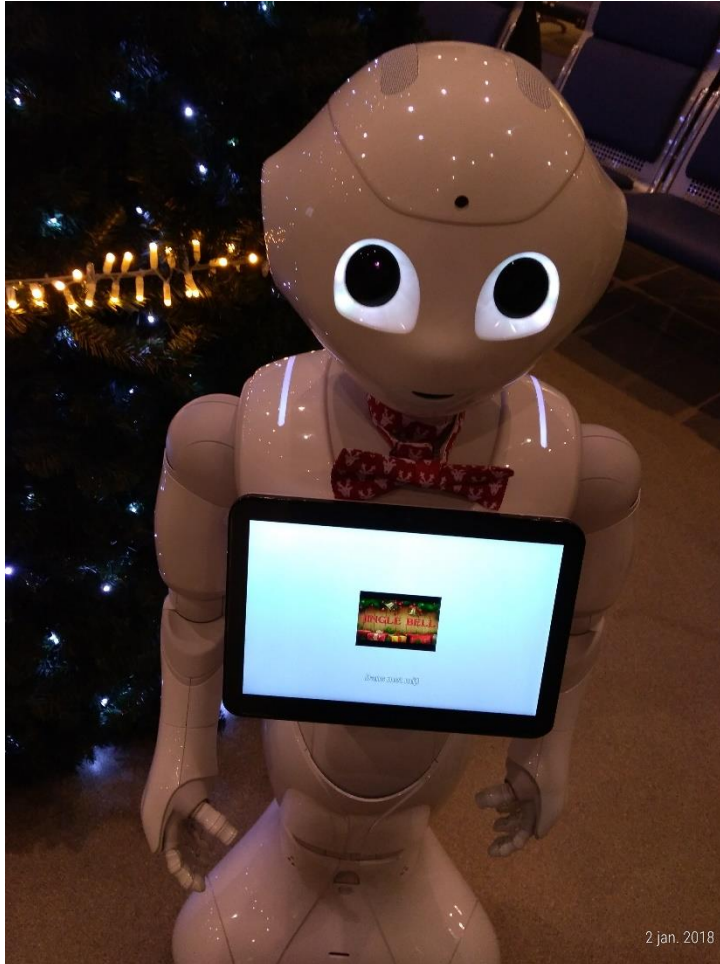
Our National Convention 2017 for JCI Belgium will bring citizens, academics, governance, companies and JCI members together to discover the added value of "smart cities". We believe that cities as they are organised today, are facing social, economic and ecological challenges for the future. We believe that innovation should accelerate in order to become reality more quickly. By bringing together people with different points of views, and showing them that by combining their vision, with mutual understanding and accomplishment, we can develop the smart city of people. We start with Ghent.

***"The primary building block of a smart city is a smart citizen"***

- Citizen budget
- Cocreation, participation

# Define your local DNA

## Aalter, Communication of the future



### Robot ontvangt bezoekers in gemeentehuis

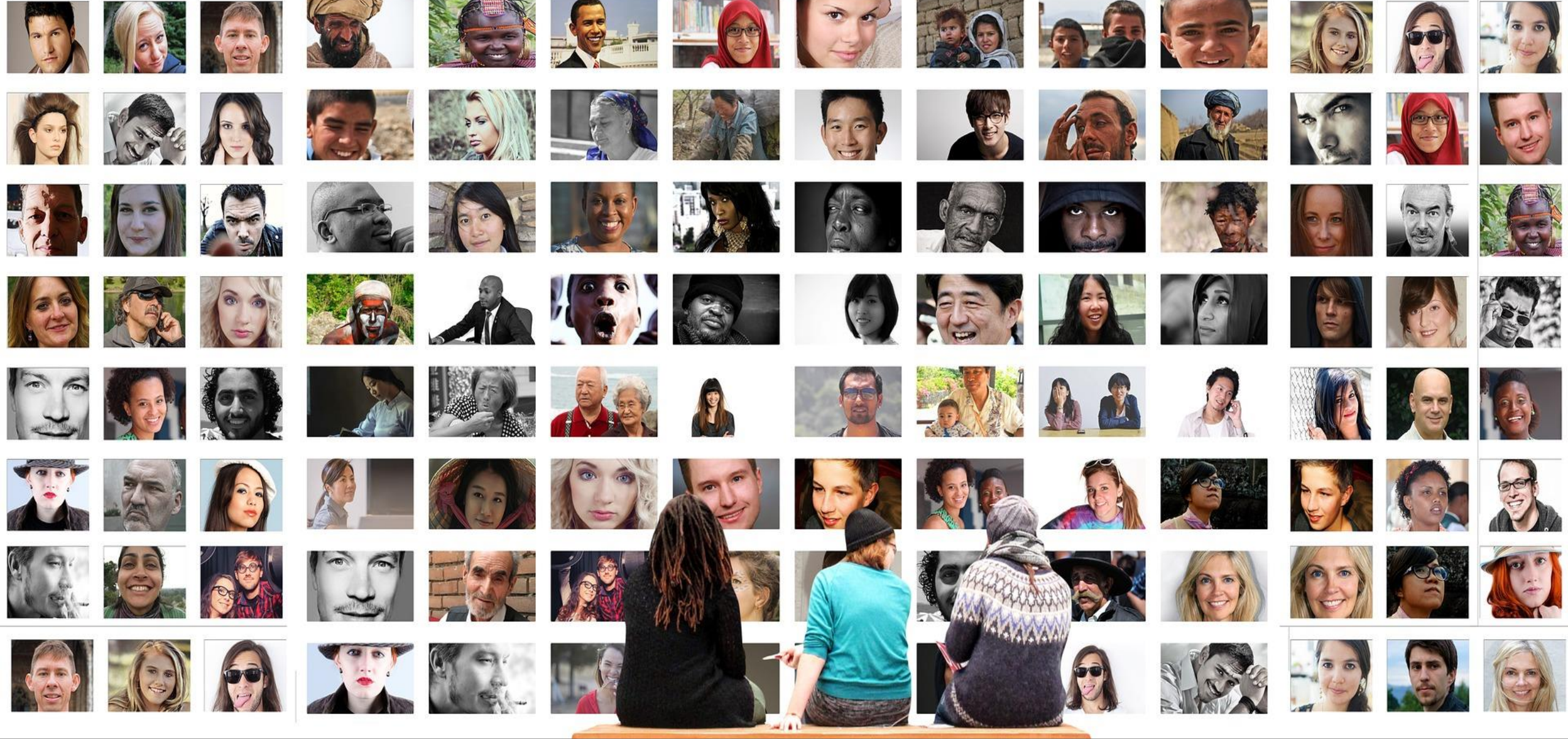
VAN CHATBOT TOT SLIMME INFOZUILEN: AALTER KLIJKT NAAR TOEKOMST

JOERI SEYMORTIER | 27 september 2017 | 02u35



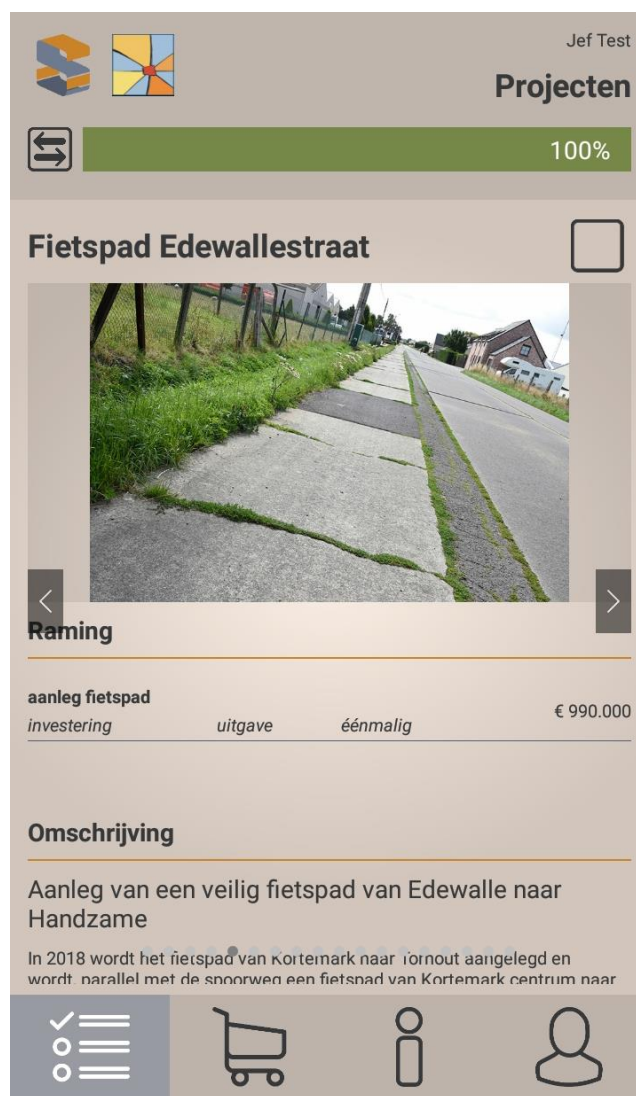
© Benny Proot - In hotel Andromeda in Oostende verwelkomen ze hun gasten al via robot Pepper.

- Chatbot
- Servicerobot Pepper in the city hall
- Digital information beacons
- Chatbot – artificial intelligence



**Put the needs of citizens central  
and involve them in the proces**

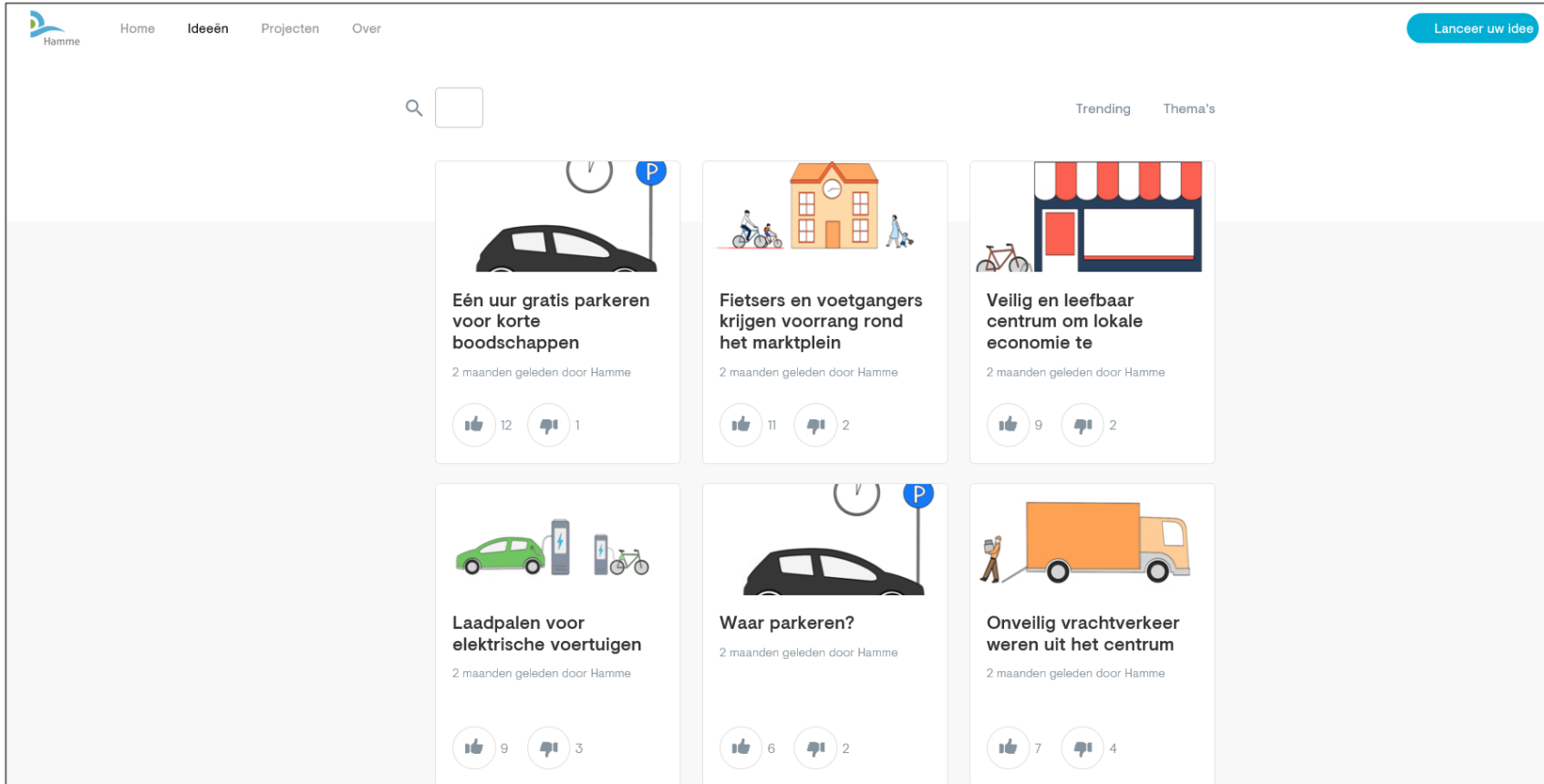
# Citizens first



→ Voting app for city projects from Kortemark



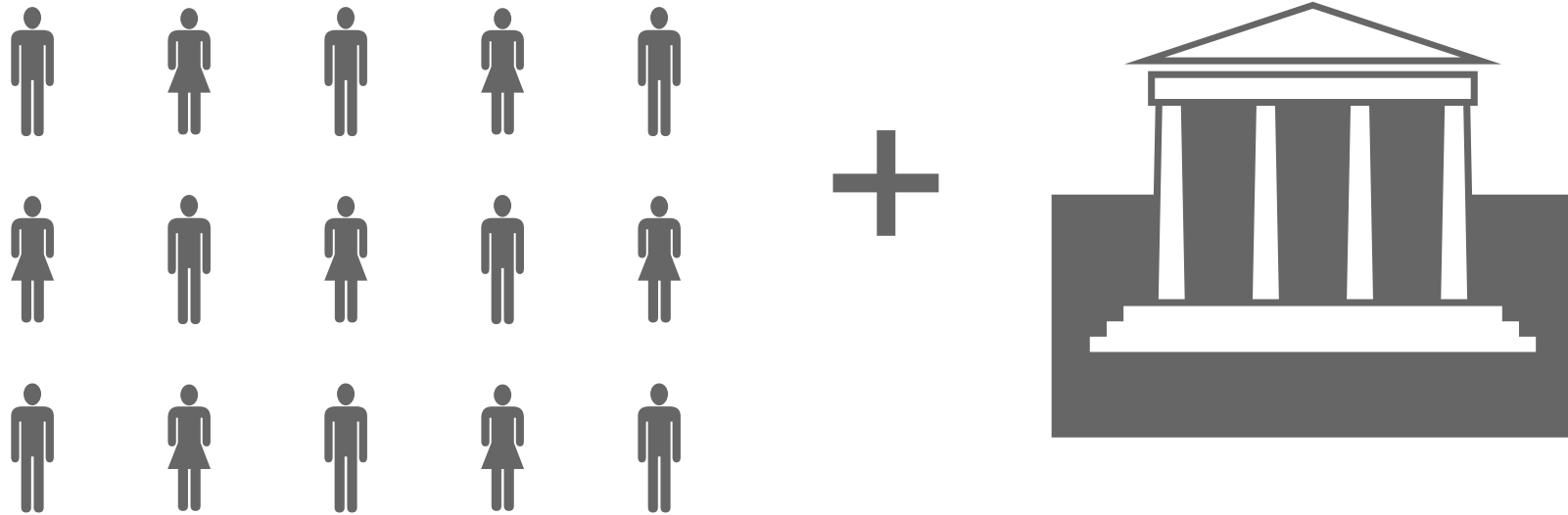
Cocreating living lab in Ghent



Digital voting platform in Hamme

Survey for citizens for projects in Ostend





- Knowledge of needs and challenges
- Collecting and sharing data

- Information
- Resources

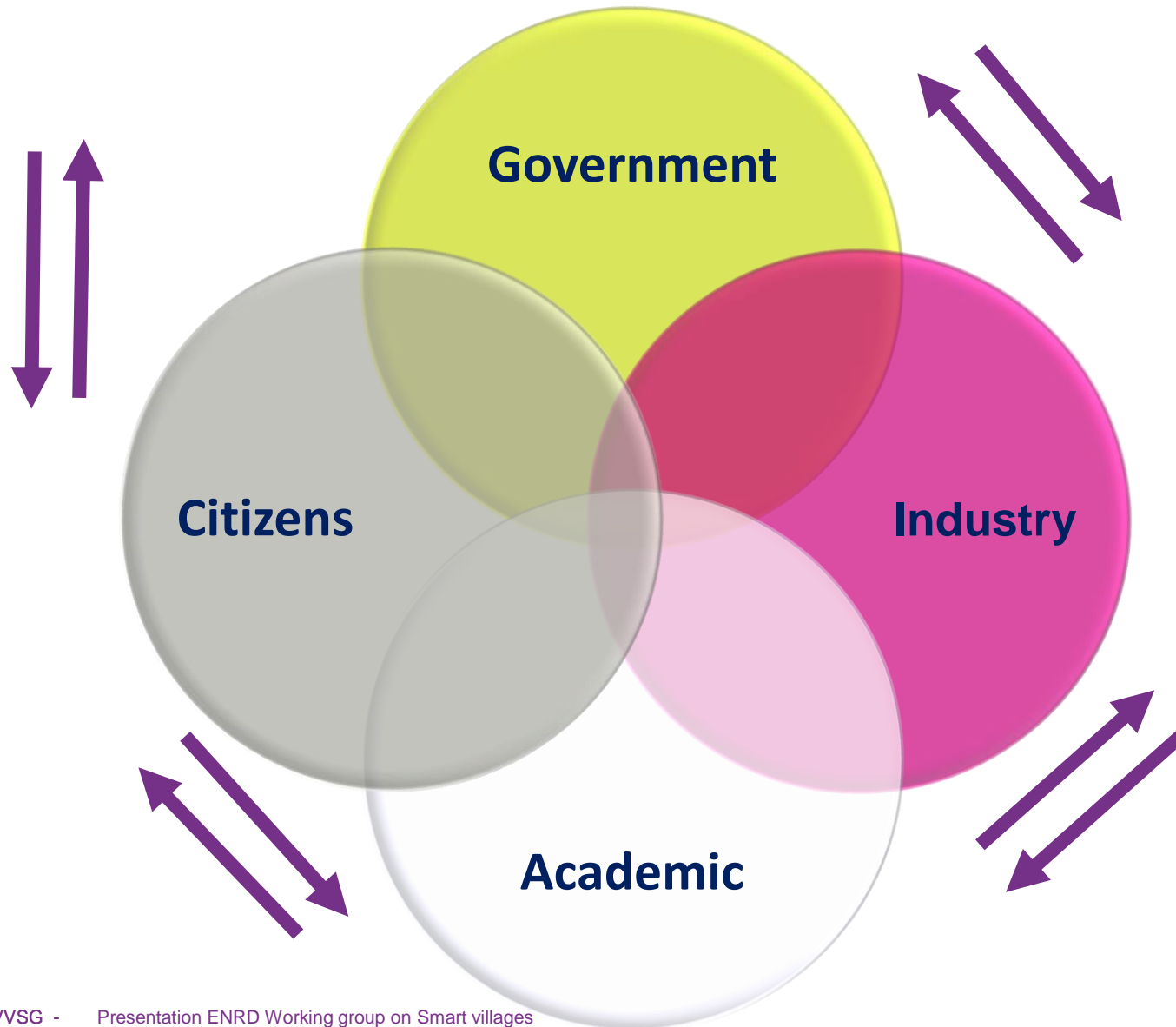
**= Local supported initiatives, with increased chances to succeed**





**Engolve all actors: cocreation is key**

# Cocreation is key



Quadruple helix innovation model



# Data awareness matters more than ever



- Data awareness: collection and usage
- Offline data is also data
- Opportunities of open data
- Databanks and portals
- Data ownership: an important factor when tendering!

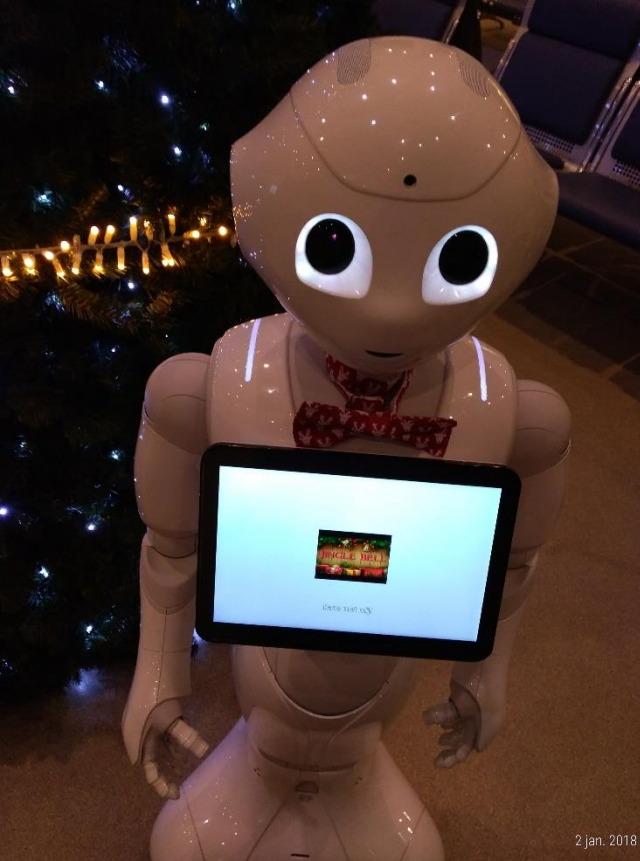


Is this the future?









2 Jan. 2018



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