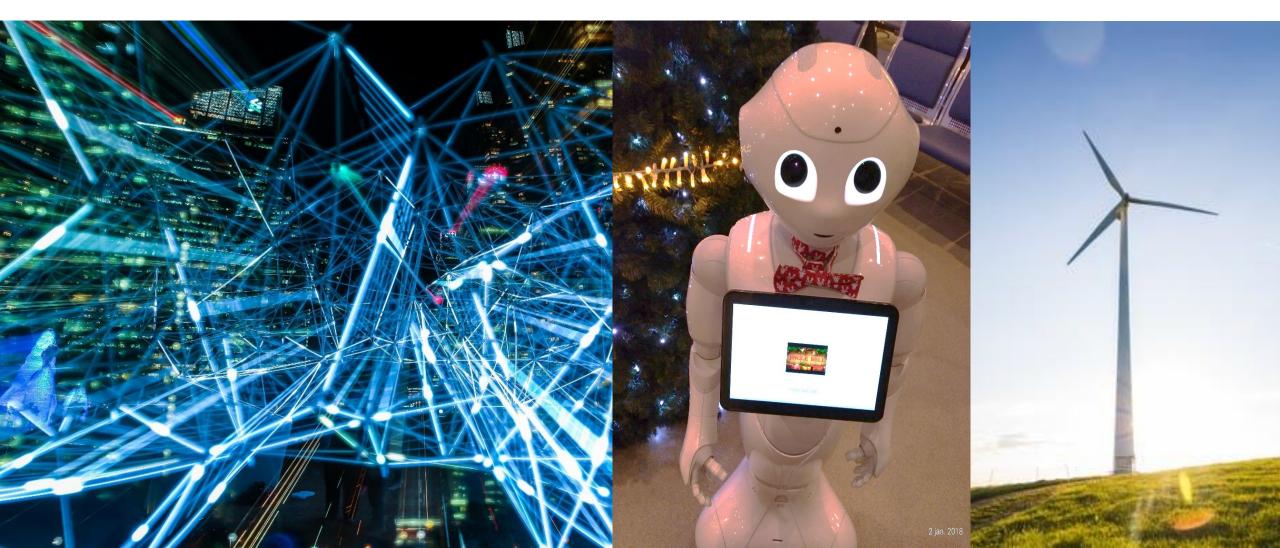
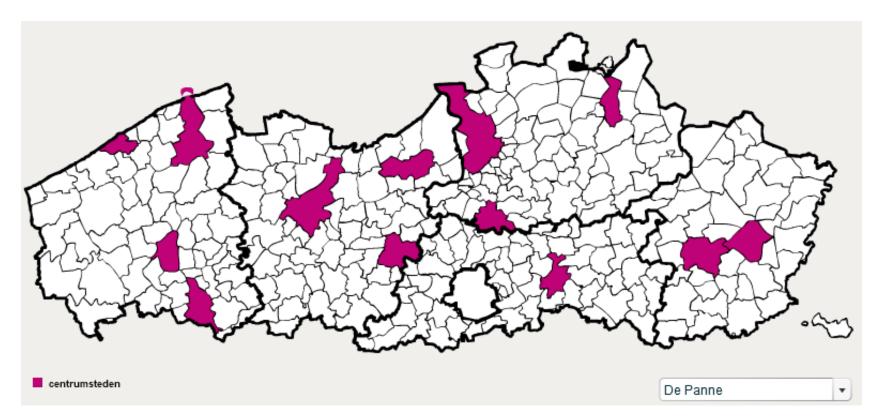
Lessons from Smart Cities - for Smart Villages





Smart cities and our organization



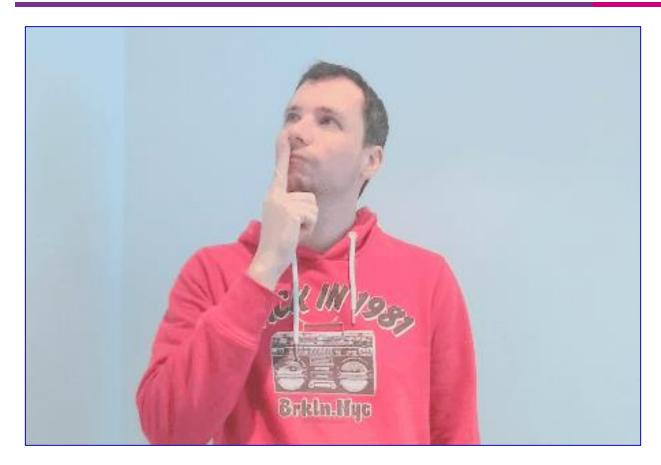




Association of Flemish Cities and Municipalities (VVSG) 308 cities and municipalities

What is a smart city?









What is a smart city?



"Smart cities ares places where information technology is combined with infrastructure, architecture, everyday objects, and even our bodies to adress social, economic and environmental problems."

BIG DATA, CIVIC HACKERS, AND THE QUEST FOR A NEW UTOPIA ANTHONY M. TOWNSEND WITH A NEW EPILOGUE

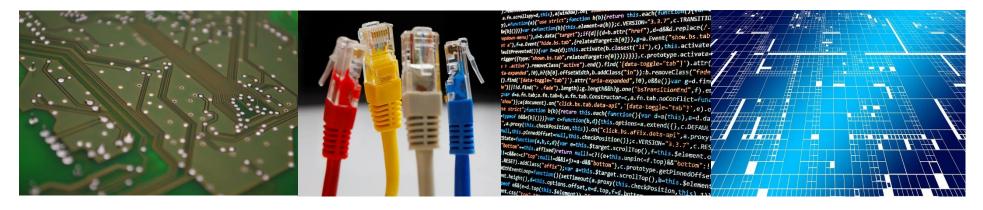
Presentation ENRD Working group on Smart villages

Anthony M. Townsend, American researcher, autor of the book "Smart Cities"

What is a smart city?



Important elements:



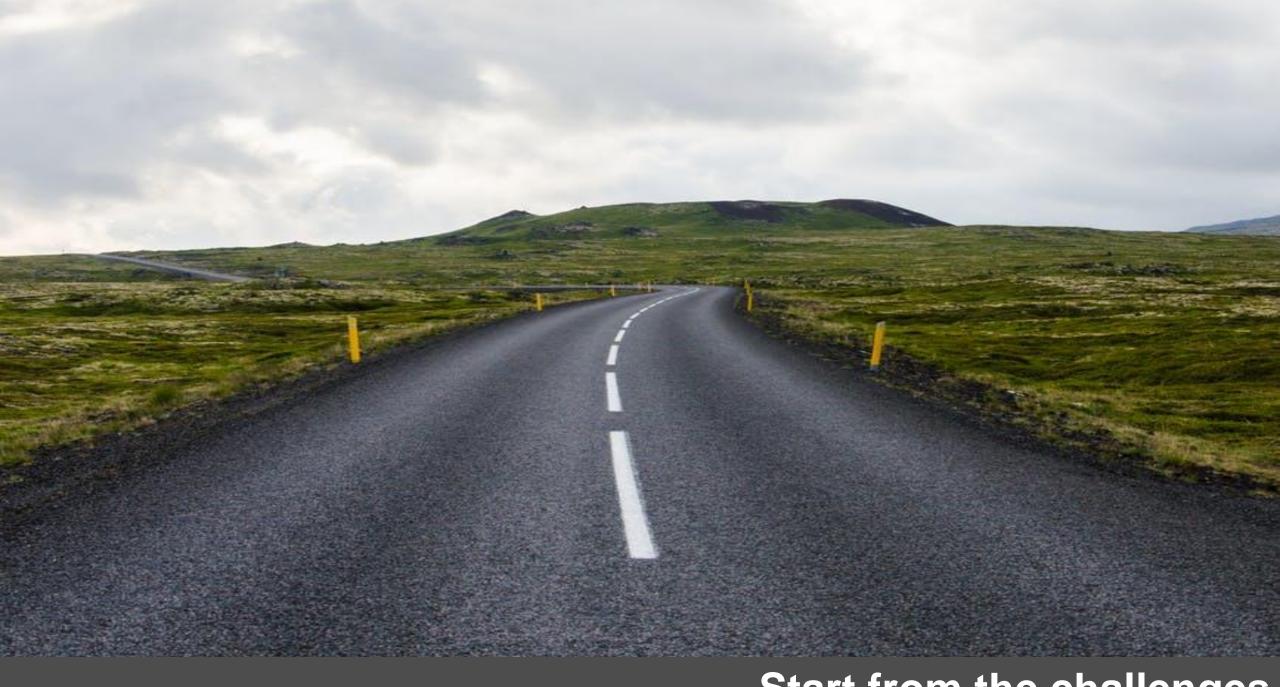
- ICT, technology, data
- Connections "The internet of things" → The internet of everything
- Solutions for goals for urban challenges (mobility, safety, the environment...) → improving liveability and sustainability

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".

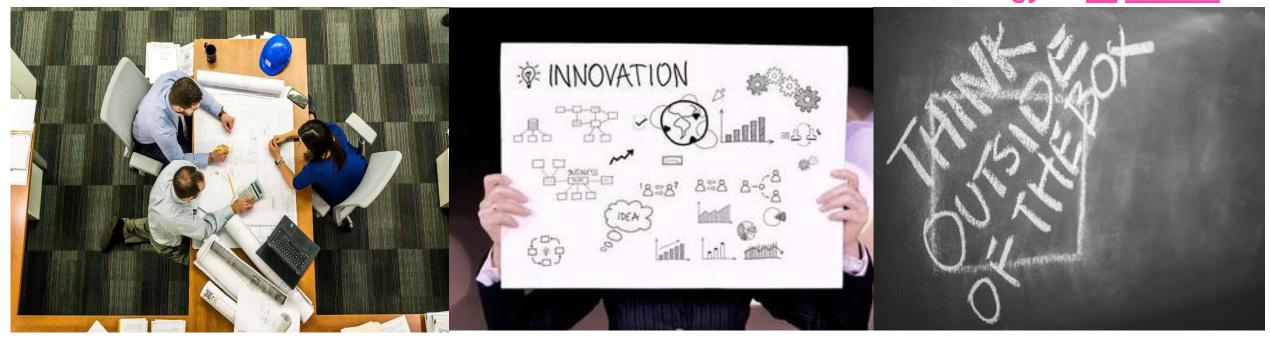
Eu Action for Smart Villages, European Commission



Start from the challenges



Challenges → Defining goals → policy → actions Technology as an enabler





Define your local DNA



Antwerpen, city of things



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



Redactie Emerce

MIEUWS - 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















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 KIJKT NAAR TOEKOMST

JOERI SEYMORTIER 27 september 2017 02u35



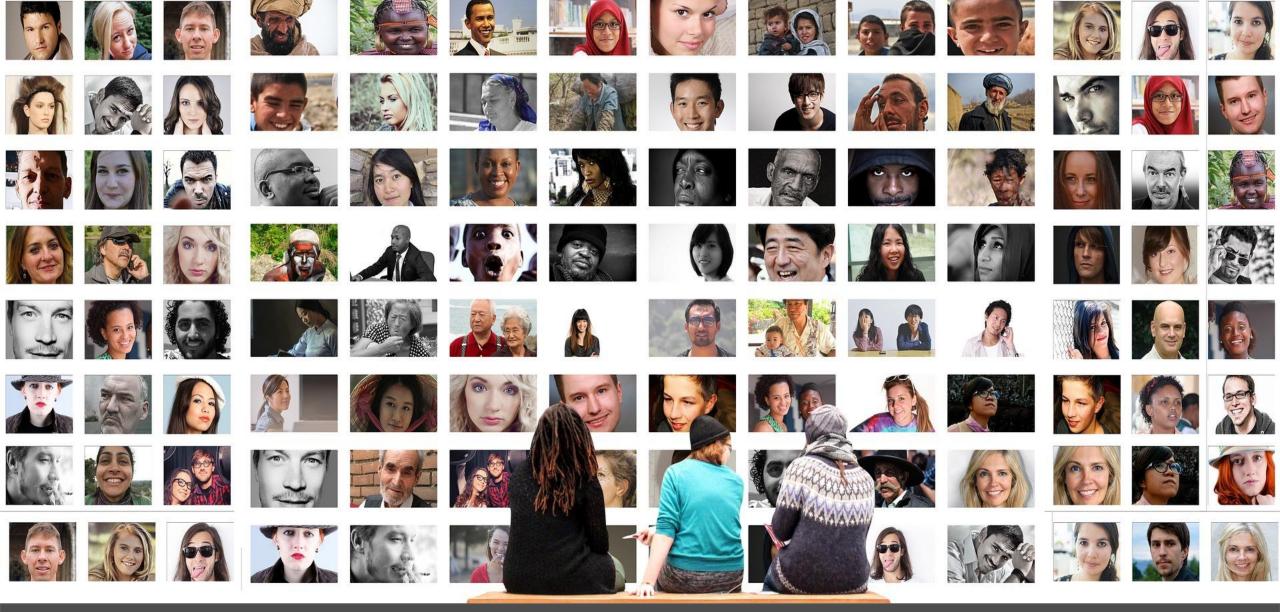






Renny Proof - In hotel Andromeda in Oostende verwelkomen ze hun gasten al via rohot Penner

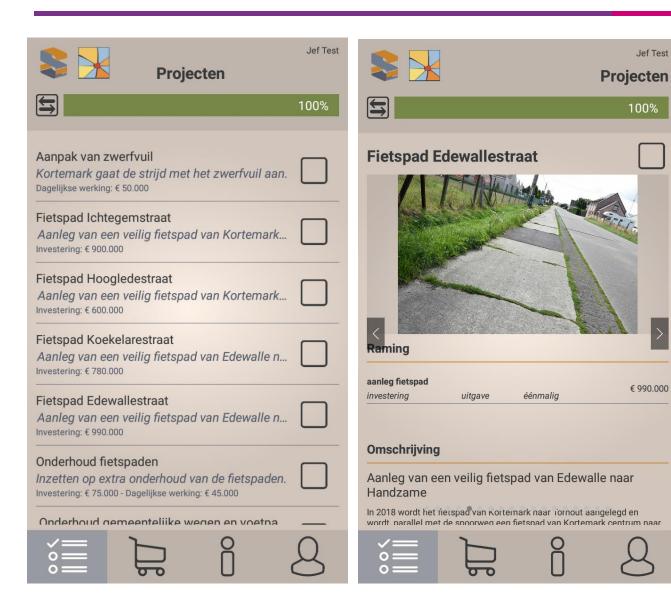
- Chatbot
- Servicerobot Pepper in the city hall
- Digital information beacons
- Chatbot artificial intelligence



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

Citizens first





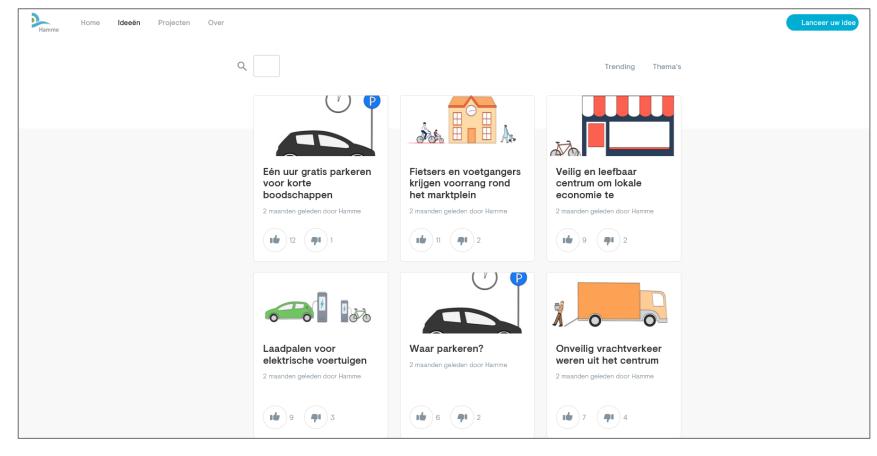
→ Voting app for city projects from Kortemark



Cocreating living lab in Ghent

Citizens first





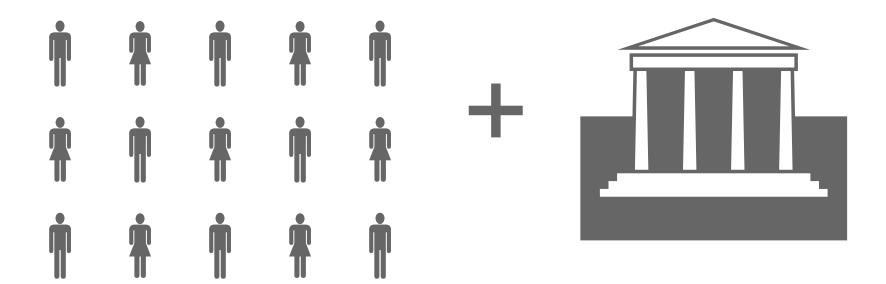
en denk mee over de toekomst van Oostende OSTENDE.BE/ OMUITJESCHELP

Digital voting platform in Hamme

Survey for citizens for projects in Ostend

Citizens first





- Knowledge of needs and challenges
- Collecting and sharing data

- Information
- Resources

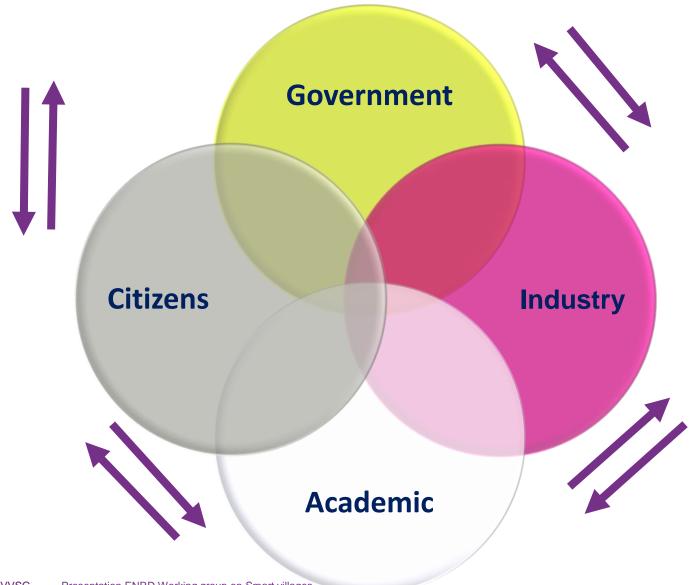
= Local supported iniatives, with increased chances to succeed



Envolve all actors: cocreation is key

Cocreation is key





Quadruple helix innovation model

```
faultPrevented()){var h=a(d);this.activate(b.closest("li"),c),this.activate(h,h.parent(),functio
rigger({type:"shown.bs.tab",relatedTarget:e[0]})})}}},c.prototype.activate=function(b,d,e){func
active").removeClass("active").end().find('[data-toggle="tab"]').attr("aria-expanded",!1),
ia-expanded",!0),h?(b[0].offsetWidth,b.addClass("in")):b.removeClass("fade"),b.parent(".dropdou
().find('[data-toggle="tab"]').attr("aria-expanded",!0),e&&e()}var g=d.find("> .active"),h=e&&
le")||!!d.find("> .fade").length);g.length&&h?g.one("bsTransitionEnd",f).emulateTransitionEnd
;var d=a.fn.tab;a.fn.tab=b,a.fn.tab.Constructor=c,a.fn.tab.noConflict=function(){return a.fn.t
"show")};a(document).on("click.bs.tab.data-api",'[data-toggle="tab"]',e).on("click.bs.tab.data
se strict"; function b(b){return this.each(function(){var d=a(this),e=d.data("bs.affix"),f="obj
typeof b&&e[b]()})}var c=function(b,d){this.options=a.extend({},c.DEFAULTS,d),this.$target=a
",a.proxy(this.checkPosition,this)).on("click.bs.affix.data-api",a.proxy(this.checkPositionWi
null,this.pinnedOffset=null,this.checkPosition()};c.VERSION="3.3.7",c.RESET="affix affix-top
State=function(a,b,c,d){var e=this.$target.scrollTop(),f=this.$element.offset(),g=this.$targ
"bottom"==this.affixed)return null!=c?!(e+this.unpin<=f.top)&&"bottom":!(e+g<=a-d)&&"bottom"
!!=c&&e<=c?"top":null!=d&&i+j>=a-d&&"bottom"},c.prototype.getPinnedOffset=func+i
                                 Data awareness matters more than ever
```

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st a"),f=a.Event("hide.bs.tab",{relatedTarget:b[0]}),g=a.Event("show.bs.tab",{relatedTarget:e[0]

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!











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