The city of Antwerp as Smart City. Projects of the province of Antwerp, and of some of its municipalities.

The role of STR in promoting the use of big data and digitalisation

Cathy Berx
Governor of the province of Antwerp

14th of June 2019
Leuven/Tervuren

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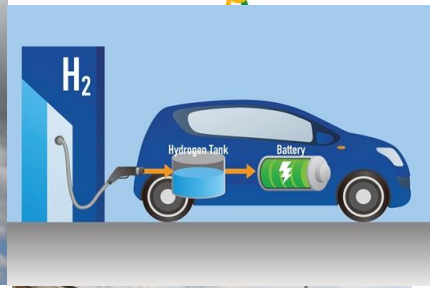
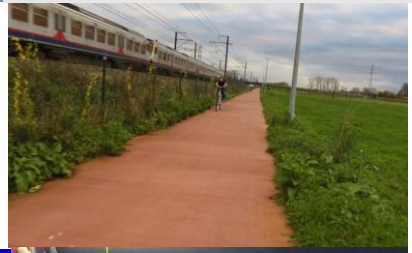
‘Steal’ with ears and eyes, spread the news and act accordingly

VERKEERS VEILIGE GEMEENTE



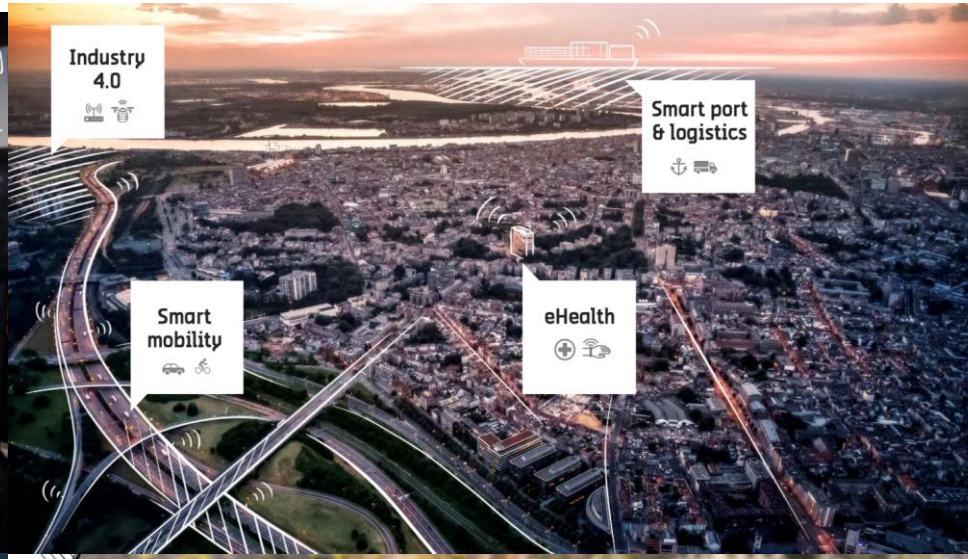
Visit to Shenzhen



The Silicon Valley experience and visit

My state of the province of last year

Antwerp Smart City: cities are not the problem, they are the solution in a new world order



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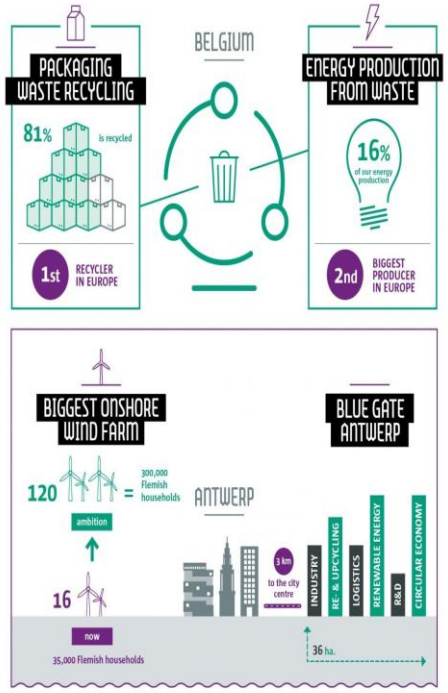
Tackling societal challenges with digital innovation



Circular Economy | Air Quality | Climate Adaptation | Urban Mobility

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Antwerp city = Smart City
Living lab and experimentation space for Flanders: offering concrete answers to real local challenges

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Smart Zone Program

Smart logistics

Smart lighting

Safe crossing

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The Antwerp port and mobility: data platform

NxtPort

NxtPort Antwerp: co-create to make the port smart(er)

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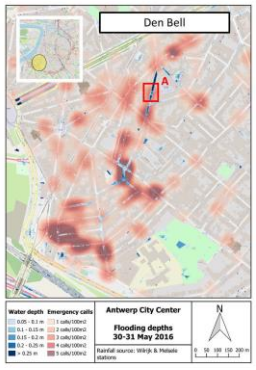
Realising (integrated) IoT/smart-city projects for more performant disaster management



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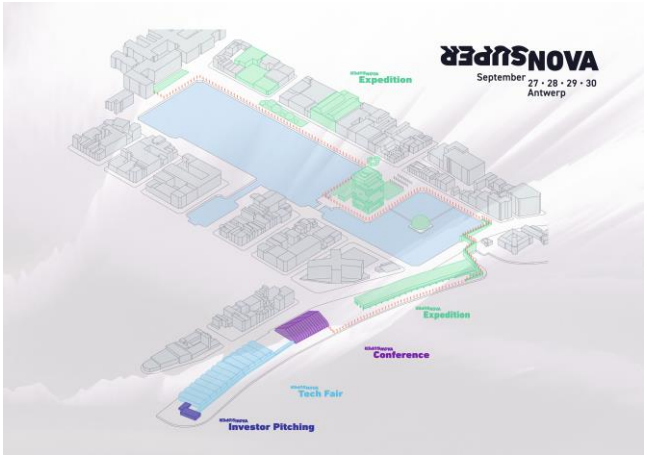
©imec

SuperNova: where visionary solutions, technologies and insights come together…

Connect, get inspired and empowered: 10/8-11/2020



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Small but smart: The Bonheiden bicycle registration system/project for schoolkids

flowbikes.

Flow Pilots

theStudio

Powered by Belfius

SMART CITY APPLICATION

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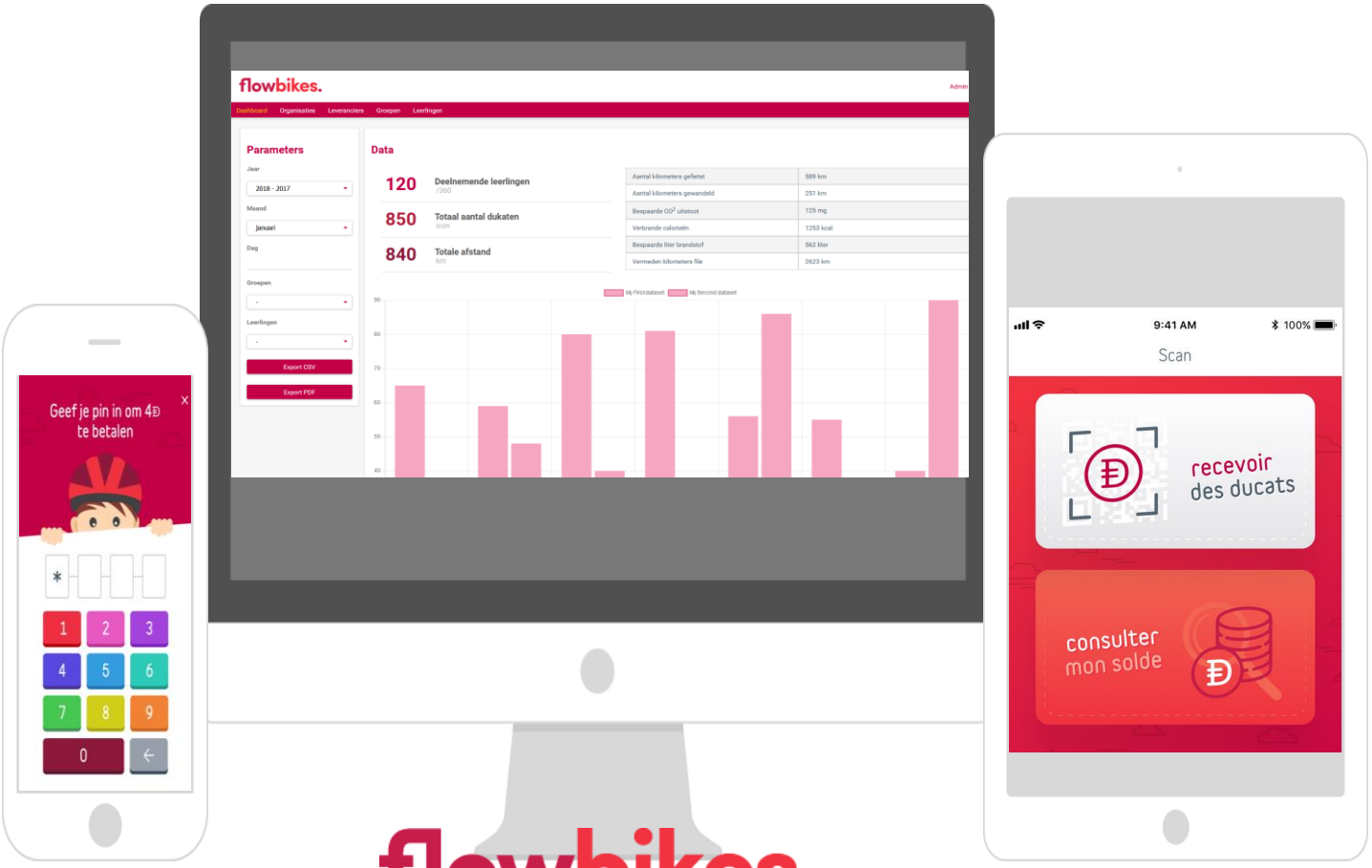

flowbikes.

Saving POINTS or 'DUCATS' by cycling

‘Traffic-safe municipality project’ of the province of Antwerp: multiplication platform for effective smart solutions

Bonheiden

VERKEERS VEILIGE GEMEENTE

Schelle

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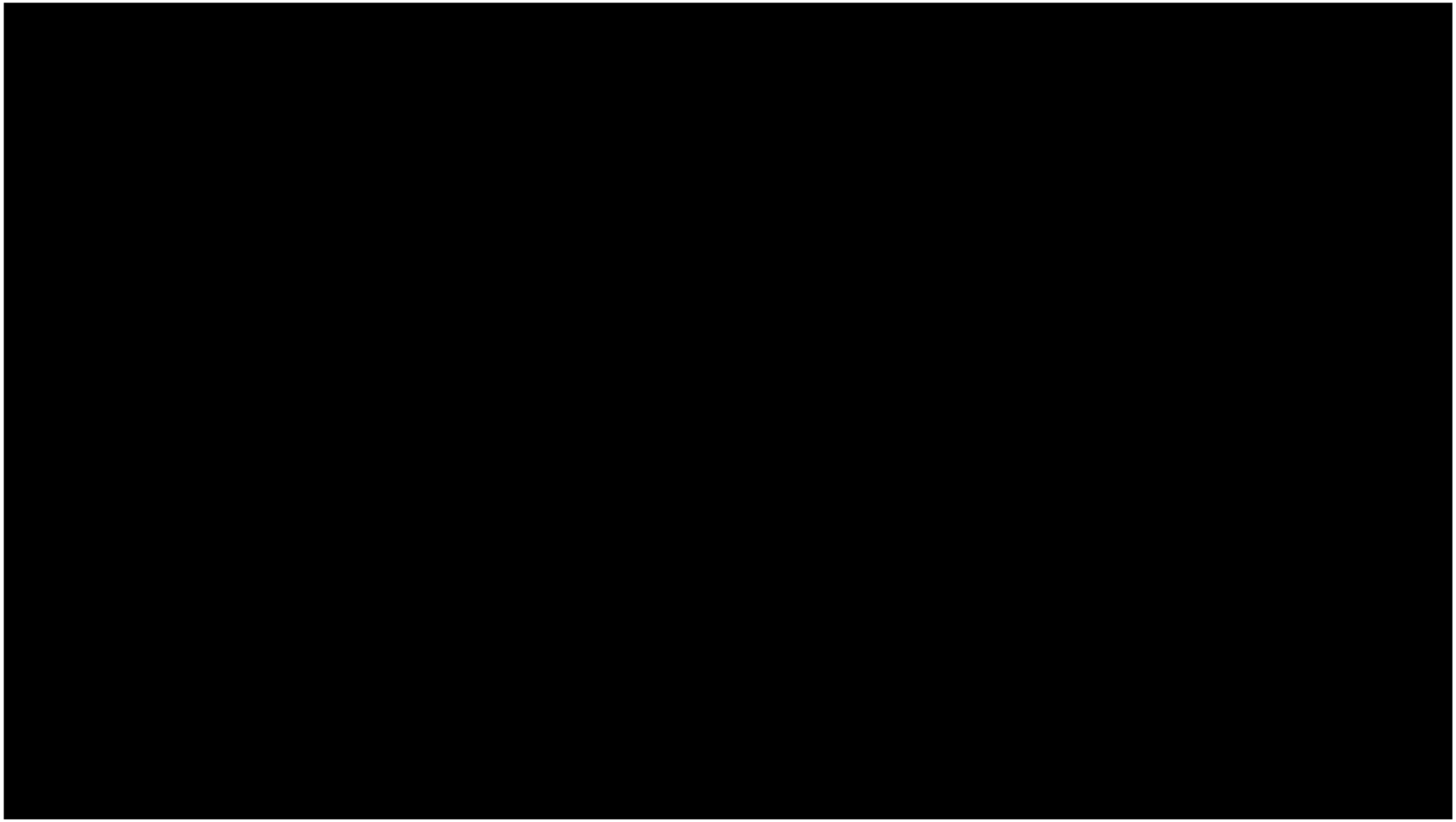
The provincial Cyclebarometer



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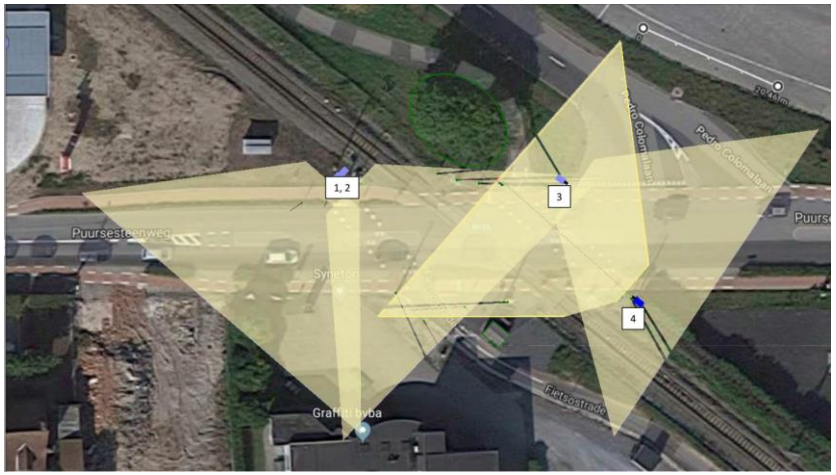
The provincial Cyclebarometer

European BITS project: Bicycle Intelligent Transport System

DATA HUB

1. Access
2. Discover
3. Aggregate
4. Analyse
5. Visualize
6. Develop



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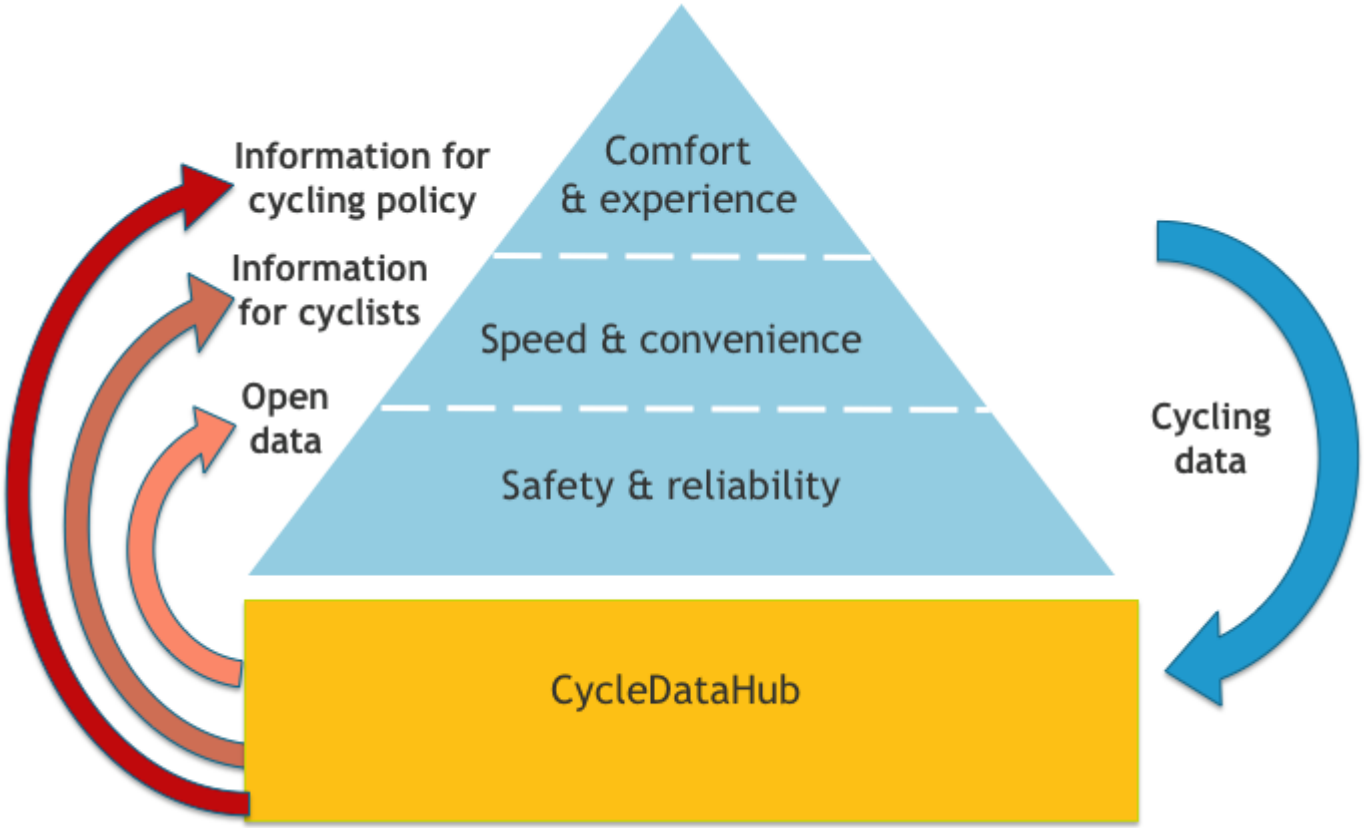
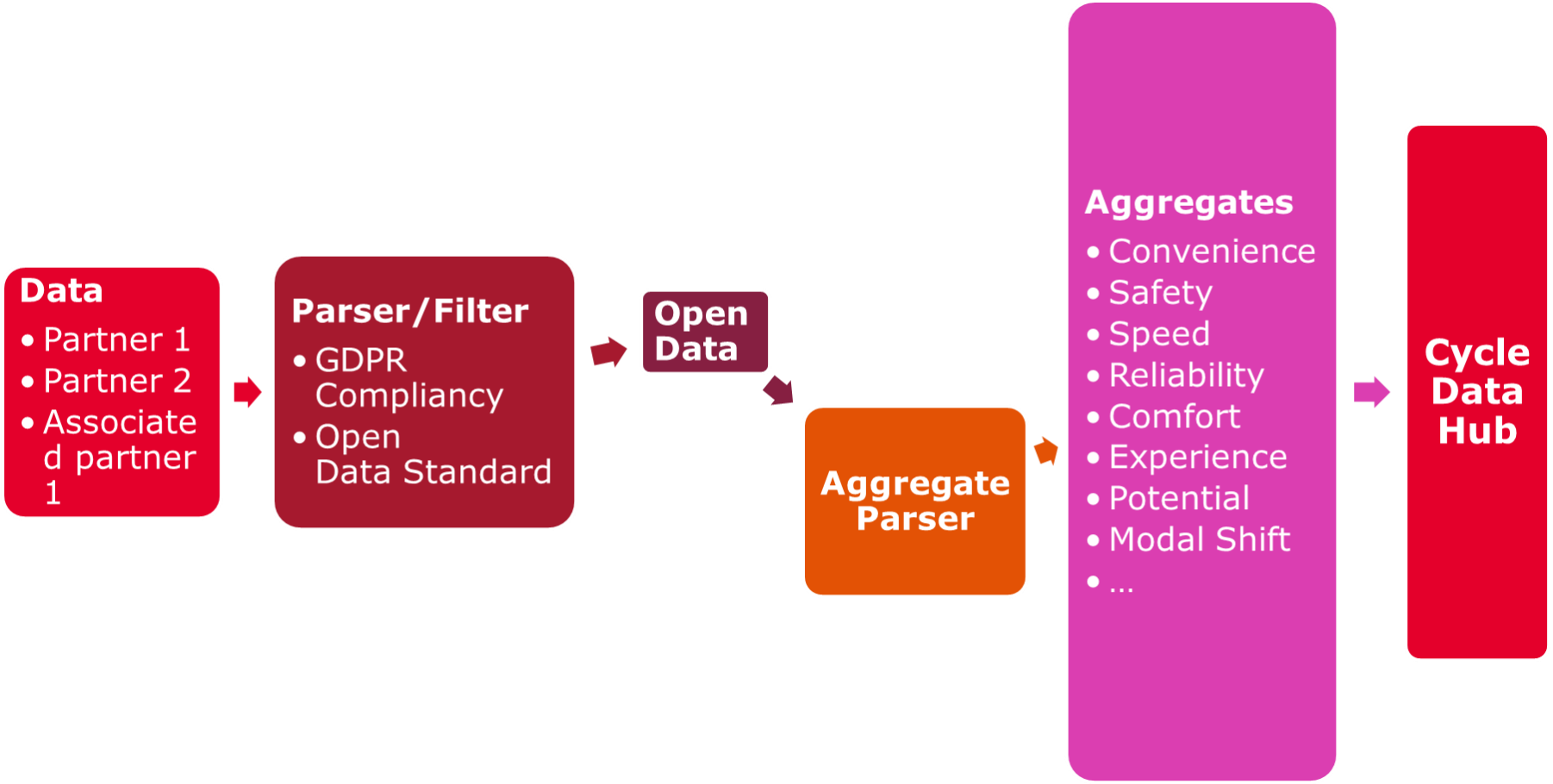
European BITS project: Bicycle Intelligent Transport System



European BITS project: Bicycle Intelligent Transport System



Selfdriving cars: Thomas More, Campus Mechelen: Research Autonomous Driving

Smart hydrological monitoring: monitoring, managing and preventing floods and ecological damage due to watershortage and drought

Planned hydrological monitoring 2019

15 min. water level measurement

Real time communication with the server

Datamanagement: Comparison current measurements with alert and alarm levels

Low tide & high tide

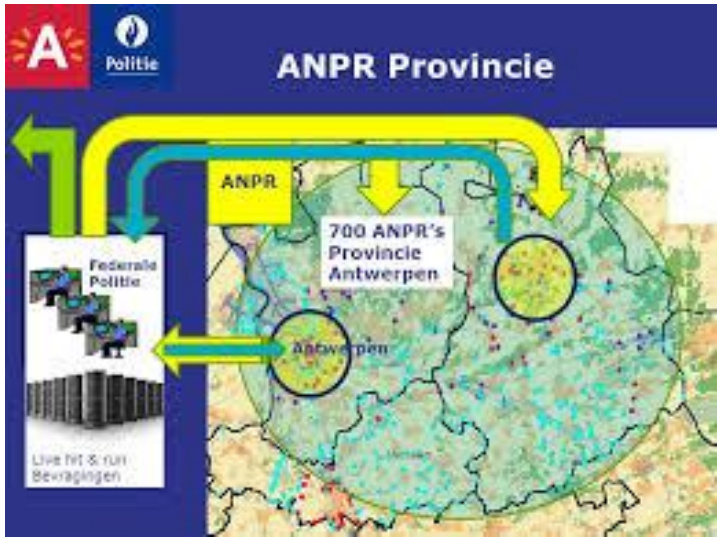
SMS

email

actions

ANPR

Politie
Camera's
2019


Politie
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700 ANPR's
Provincie
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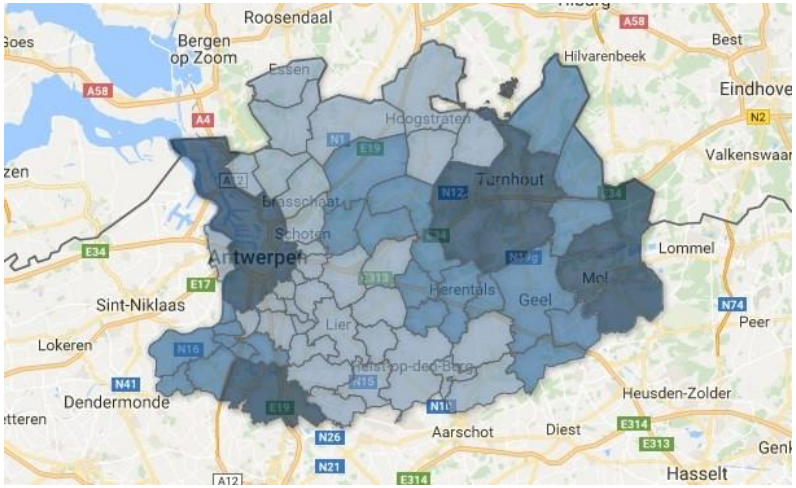
Federale
Politie
Antwerpen


Roosendaal
Bergen
op Zoom
Hilvarenbeek
Best
Eindhove
Valkenswaar
Turnhout
Brasschaat
Schoten
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Lommel
Mol
Geel
Herentals
Sint-Niklaas
Lier
Peer
Lokeren
Dendermonde
Heusden-Zolder
Aarschot
Diest
Hasselt

Data management: tool for administrative enforcement of undermining criminality (Graydon)

Creating scale: province/STR support and use instruments for (monitoring) sustainability policy via IoT/smart applications

ISO 14001 in de provincie

VISION ZERO
Zero fatalities. Zero excuses.

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Offer platforms to local pioneers to show good practices and facilitate their exchange (Conference of (and regular consultation with) Mayors)

Thank you!

GOVERNOR **Cathy Berx**
Provinciehuis - Parkhuis, Koningin Elisabethlei 22, 2018 Antwerpen
T 03 240 50 60
www.cathyberx.be