



Innovation in enforcement



Agenda



- 1 Parking Policy
- 3 Implementation
- 5 Impact & Outcome
- 7 Costs & Resources

- 2 Objectives Enforcement
- 4 Facts & Figures
- 6 Obstacles setbacks
- 8 Wrap Up: Lesson learned

Parking Policy

Digital Enforcement



- More space for pedestrians and cyclist
- More smart mobility
- Healthy and Sustainable solutions

BUT...

- Less parking spaces
- Higher demand quantity (growing city)
- Higher demand quality (higher expectations)





Objectives Enforcement

Digital Enforcement





- Higher payment rate less non-paying parkers
- Supporting parking policy
- Efficient process
- Good quality of enforcement
- With the principle of equality

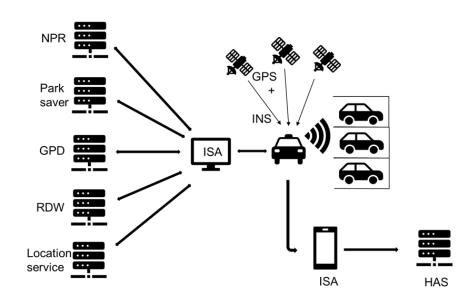


Implementation

Digital Enforcement



- 1st step: Digitizing our administrative organization (BASE)
- 2nd step: Digitizing enforcement (INNOVATION)





Facts & Figures Digital Enforcement

CIVITAS
Park4SUMP

- Paid parking since 1965
- Scan cars since 2014
- From 2020 100% digital enforcement 120.000 paid parking spaces
- 3,9 million transaction visitor permit
 20,3 million short term transactions





Impact & Outcome Digital Enforcement



Pre-scan car (2013) phase versus present

	2013	2022
# of parking fines	100%	339%
Payment rate	no facts	86%
Parking meter	+/- 3000	+/- 600
% mobile/sms parking	40%	83%

Obstacles - Setbacks Digital Enforcement

CIVITAS
Park4SUMP

- Maintenance databases
- Observe European privacy policy (GDPR)
- Build support amongst politicians AND community





- Algorithm vs. Human
- The combination works best



Costs & Recources Digital Enforcement



2013	2021
------	------

Cost enforcement € 14,5 mil. € 23,1 mil.

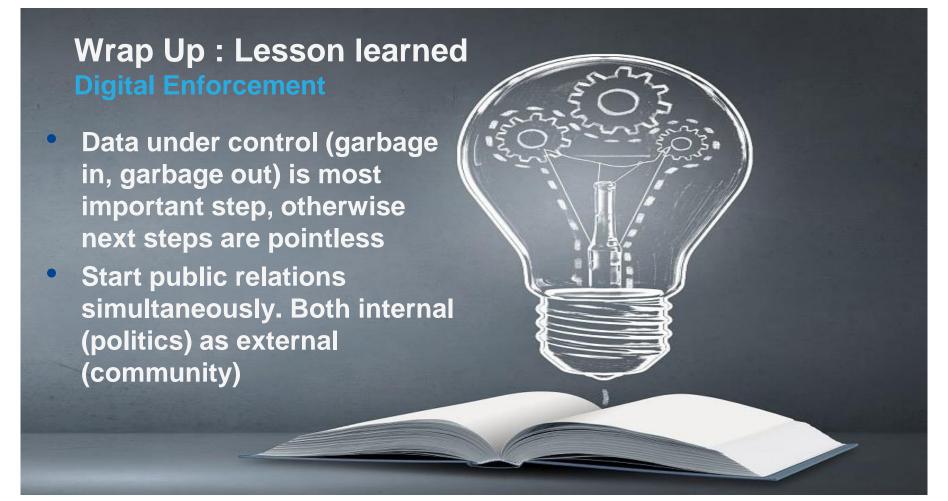
parking fines (gross) 159.000 540.000

Cost per fine (gross) € 91 € 43

A REDUCTION OF 52% (not a direct target)







More info?

- https://www.rotterdam.nl/wonen-leven/scanauto/
- sr.tenhoorn@rotterdam.nl

Follow us

Twitter, Facebook, LinkedIn, YouTube, Flickr, Spotify













Subscribe to our newsletter

civitas.eu/newsletters

Email

secretariat@civitas.eu

civitas.eu

This presentation has been produced by CIVITAS ELEVATE, a CIVITAS Coordination & Support Action. The CIVITAS ELEVATE project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 824228.



Thank you