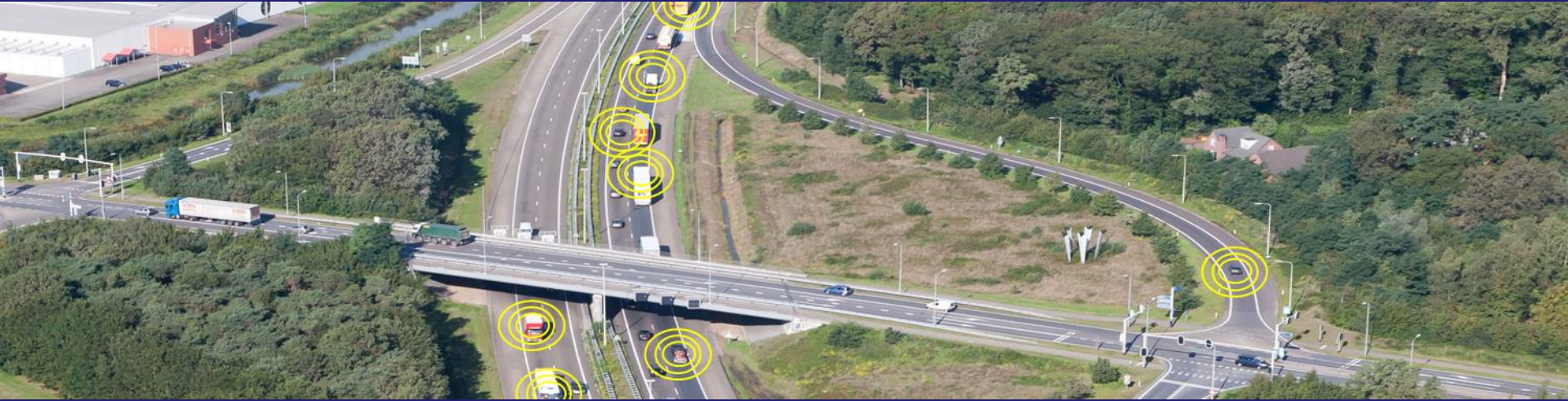


# Spookfiles A58

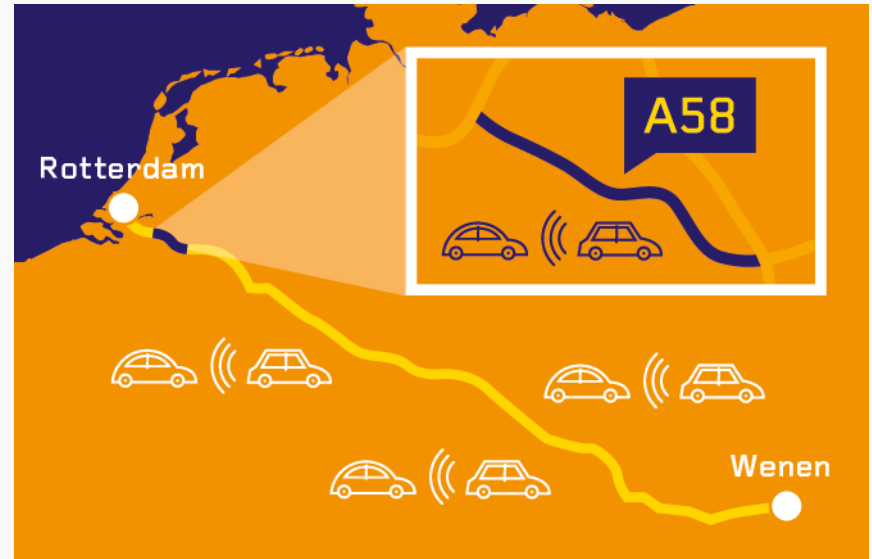
## PCP procedure



Author: Oene Kerstjens (SISTRON bvba)  
Technical project manager Shockwave Traffic Jams A58 for Province Noord-Brabant  
Date: November 20th 2015  
Place: Polis Conference, Brussels



# The project



- Driver-assistance, NOT travel information
- In the vehicle
- On the motorway (A58)
- Part of the ITS Corridor trajectory
- Using cellular 3G and cooperative Wifi-P G5 technologies
- Reducing shockwave traffic jams

# Ambition

- Short term:
  - To develop, test and implement a traffic jam service that can affect driving behaviour in practice
- Longer term:
  - Catalyse the start of a commercial and competitive market of innovative ITS solutions



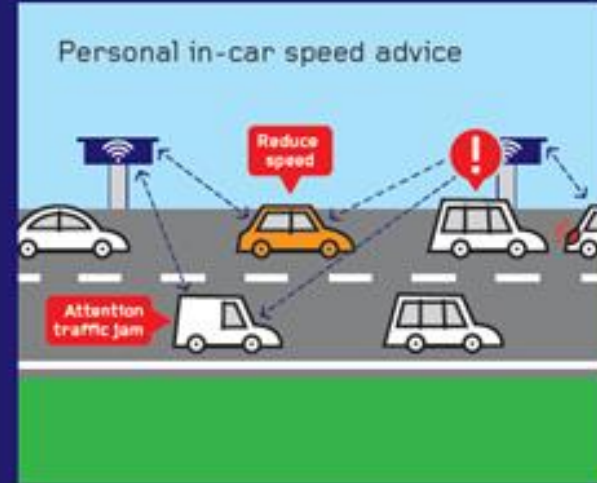
# Talking Traffic

# Shockwave traffic jams A58

## Collective driving advice

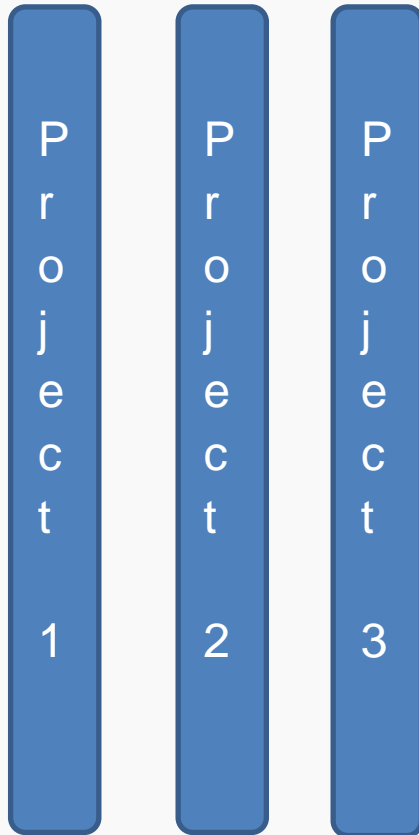


## Personal in-car driving advice

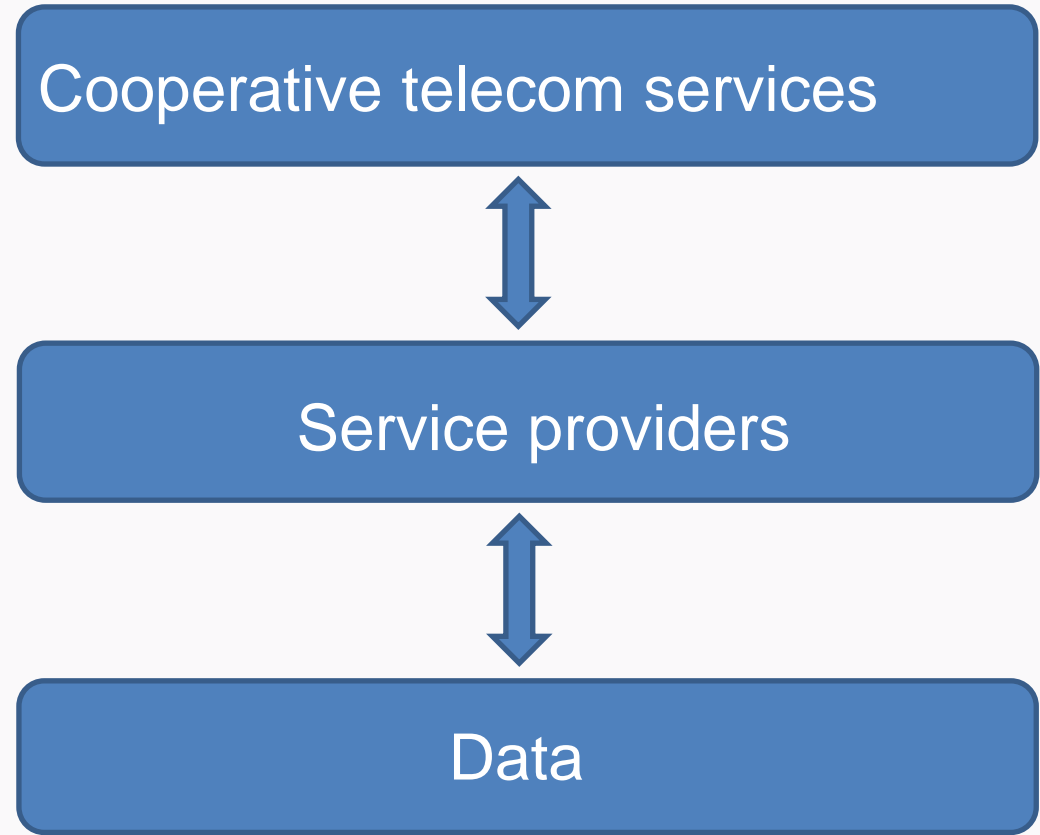


# Catalysing competitive market

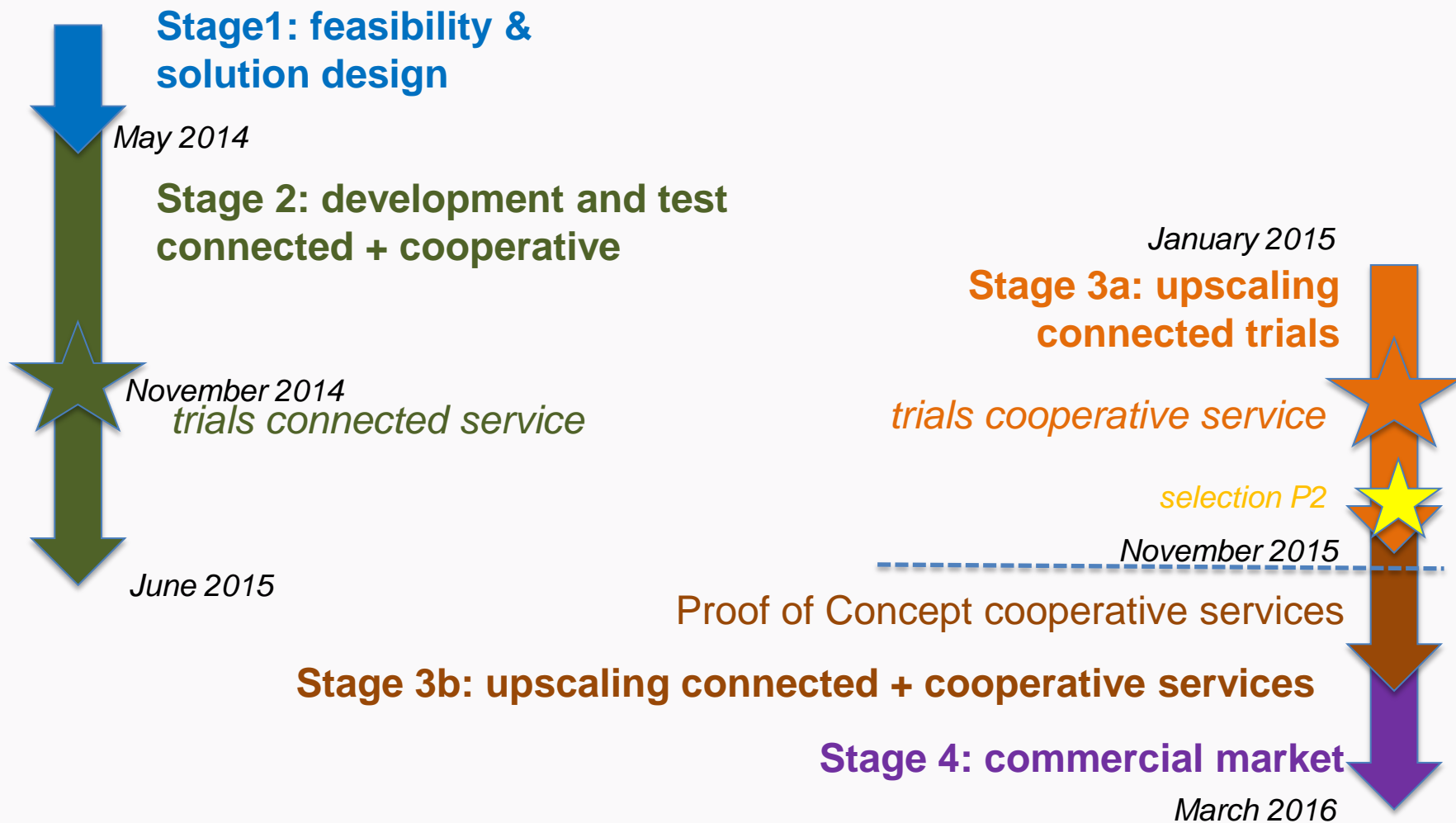
## Vertical market



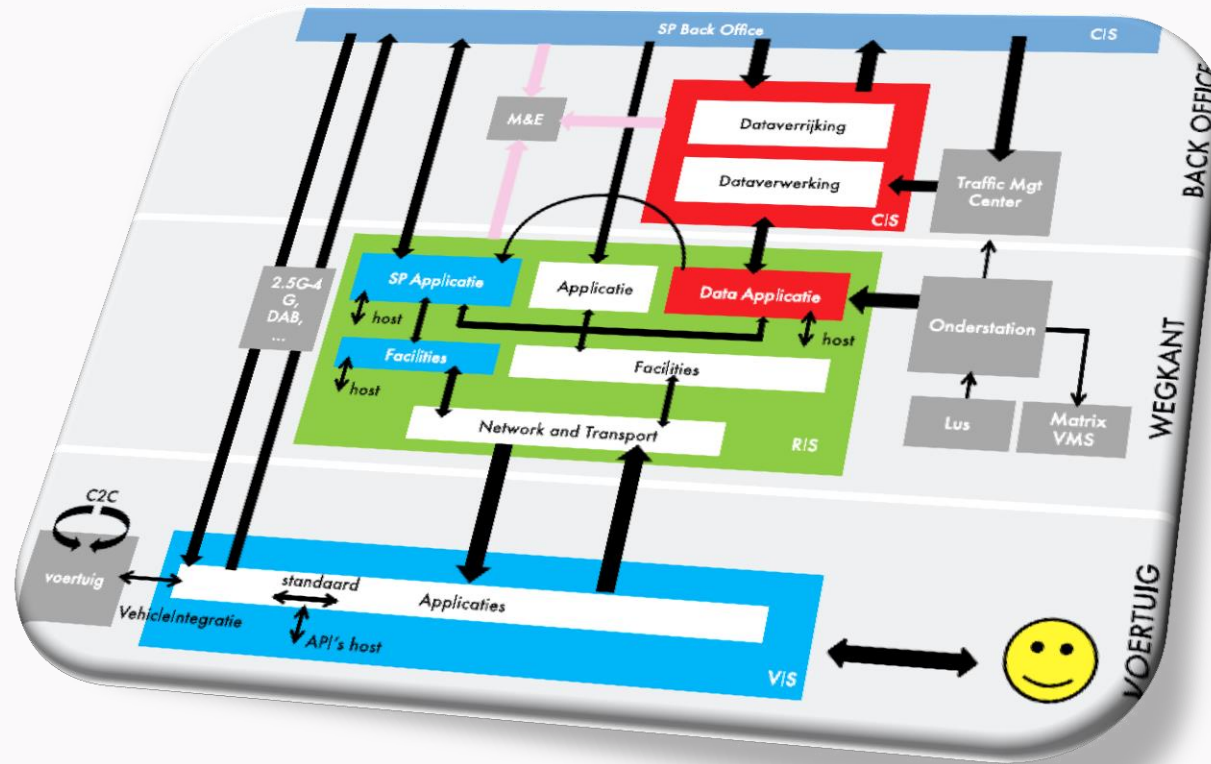
## Horizontal market



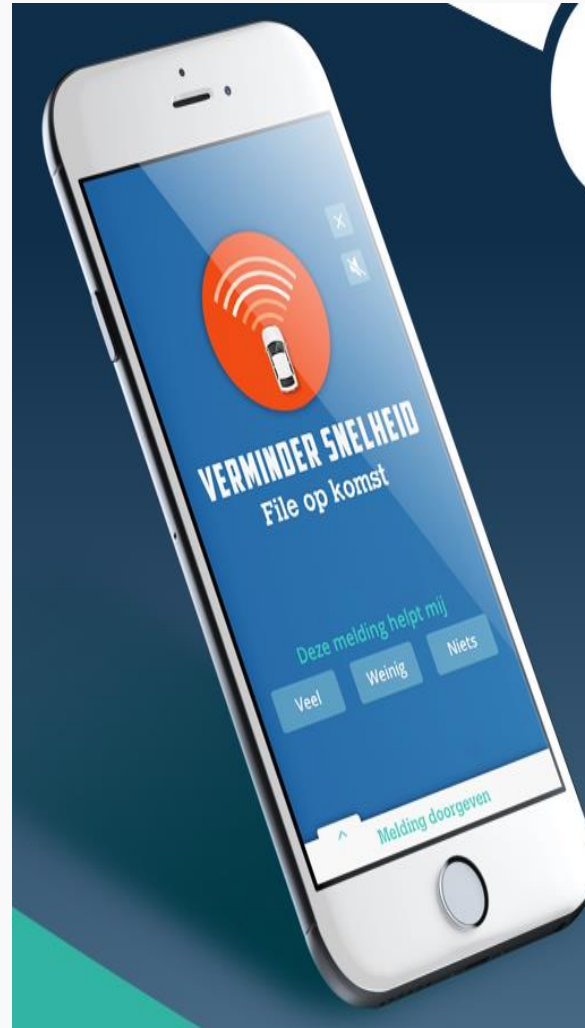
# Growpath connected and cooperative



# Results (1): High level architecture



# Results (2): Services





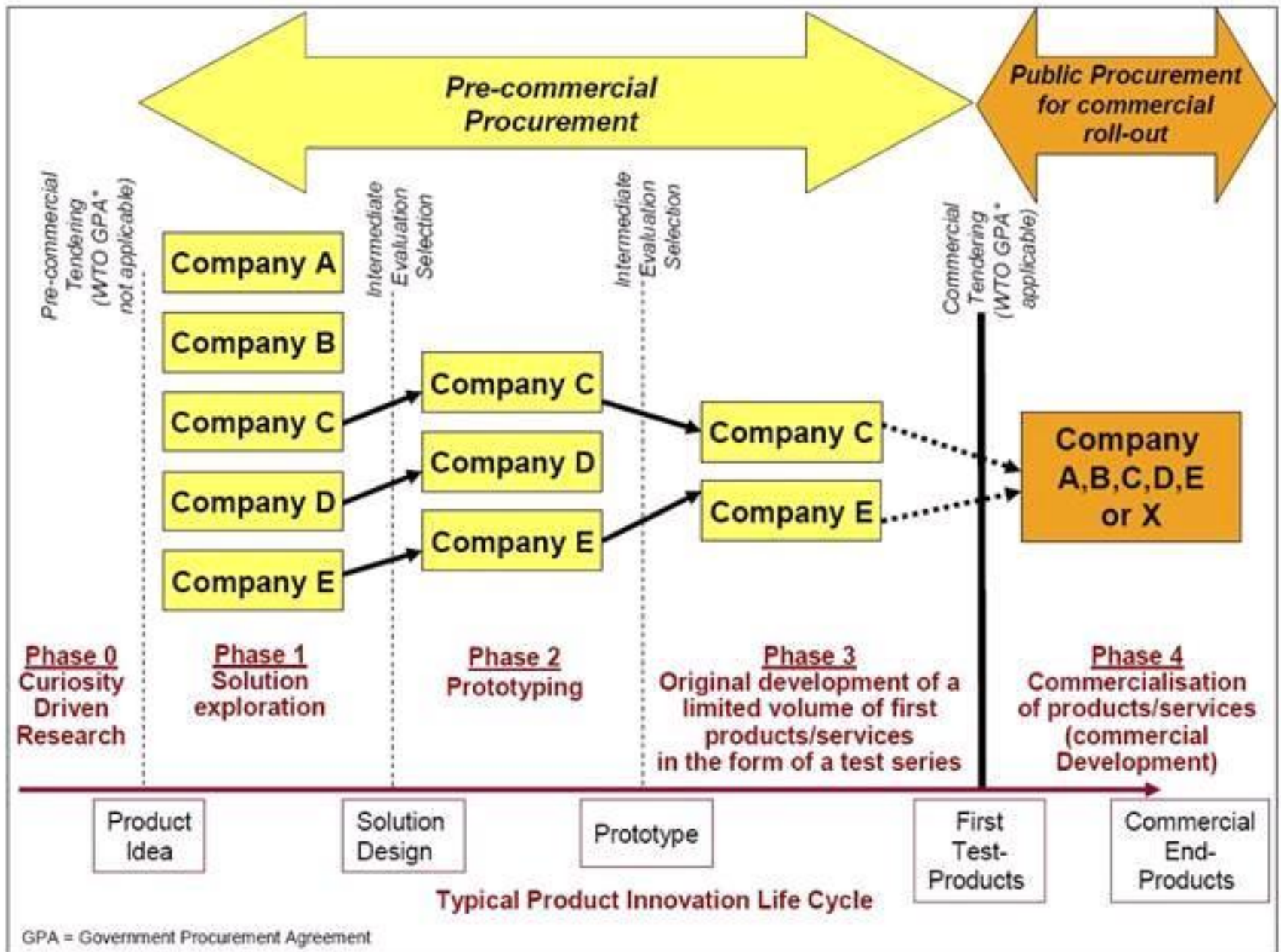
# Results (3): Effects end users

- Downloads: more than **3.800** (exceeds expectations)
- % advices followed: average of **30% to 50%**
- Uptime apps: average around **98-99%**
- Main focus area: **timing of the advices**

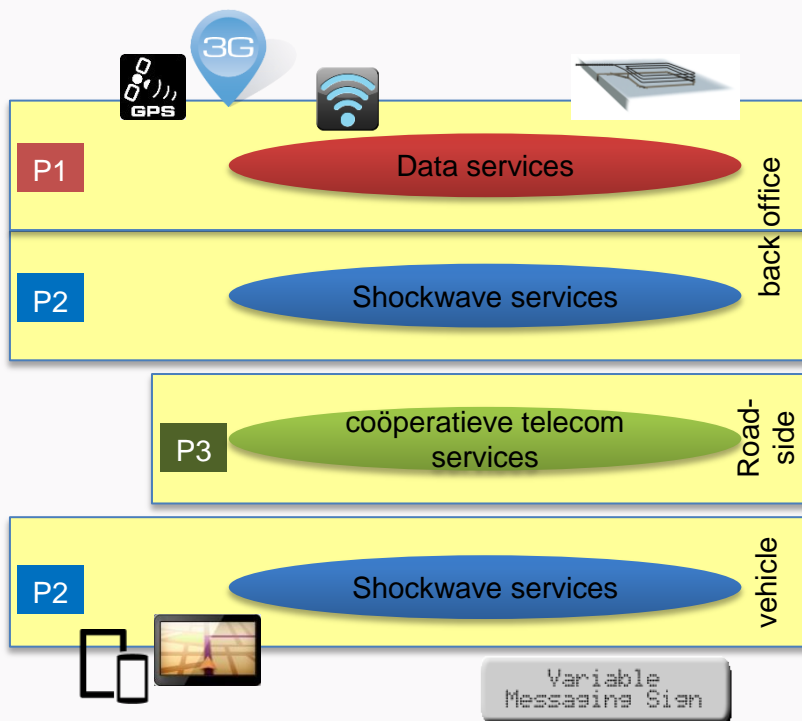
Cooperative services should improve timing

further research ongoing...





# Driven by business needs, translated into open interface specifications



**Perceel 1**

**Be-Mobile BV**

1. Goudappel
2. Siemens

**innovactory International BV**

1. Simacan BV
2. Tom Tom (Global Content) BV
3. TU Eindhoven

Logos: be-mobile, SIEMENS, Goudappel Coffeng, innovactory, simacan, TOMTOM, TU/e

**Perceel 2**

**Open Embedded Systems BV**

1. BeJor
2. NXP
3. Prime Vision BV / Prime Data
4. Tass International / DITOM
5. TNO
6. Tom Tom
7. RTL Nederland

**Technolution BV**

1. Imtech Traffic & Int
2. NXP
3. TU Delft

**Vision BV**

1. Be-Mobile
2. Fourtress
3. NXP
4. Spring Holding
5. TNO
6. BeJor
7. Fencas
- E. TIM

Logos: STOUX, NXP, PRIME VISION, TOMTOM, TNO innovation for life, LASS International, rt nederland, BeJor automotive, Technolution, Imtech, NXP, TU Delft, v-tron, NXP, FOURTRESS, PRODRIVE TECHNOLOGIES, spring innovation management, TM FOR DIGITAL MARKETING PROFESSIONALS, BeJor automotive, TNO innovation for life, fantazm

**Perceel 3**

**Siemens Nederland BV**

1. Be-Mobile

**Vialis BV**

1. NXP

Logos: SIEMENS, be-mobile, Vialis, NXP

# PCP procedure

- Pre-commercial procurement
- Issue for society, no solution ready to use
  - Encourage innovation
  - Create conditions for market development
- ‘New’ procedure
- Time to increase understanding
- Competitive element: decreasing number of market players!



# Role Dutch traffic manager, RWS



- Provide access to RWS-assets such as detailed traffic data for 3rd parties
- Testbed / Living Lab for strategy development and organisational evolution
- Basis for vision building

# Questions or remarks?

[www.spookfiles.nl](http://www.spookfiles.nl)



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Ministerie van Infrastructuur en Milieu

Provincie Noord-Brabant

# PCP procedure A58

Data-services

Spookfile-service

Cooperative  
telecom services

