



# IoT\*-01-2016: Large Scale Pilots

## Pilot 5: Autonomous vehicles in a connected environment

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In cooperation with

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- Unit A3: Complex Systems & Advanced Computing
- Unit A4: Components

**IoT\* = Internet of Things**

IoT SERVICES

AUTONOMY

UP TO FULL  
AUTOMATION  
=  
DRIVER OUT OF  
THE LOOP

IoT  
(connectivity)

## OBJECTIVE

- Optimal combination of local & distributed information and intelligence For higher level of automation
- Demonstrate added value and potential of applying IoT

## CRITICAL

- Strong use case & business case
- Strong commitment from the pilot host(s) -> Maximise impact

# Some possible use case scenarios

*Call text: "It should **test scenarios of deployment** of safe and highly and fully autonomous vehicles (up to SAE38 international level 5, full automation) in **various representative use case scenarios**, exploiting local and distributed information and intelligence."*

*The next slides present some possible use case scenarios:*

*These are only given as some illustrative examples to show the expected level of ambition. They are not meant to be limitative nor exclusive !*

# Pilot 5 Possible use-case scenarios: morning journey (1/2)



**DRIVER IN CONTROL**

**DRIVER OUT OF THE LOOP**

**DRIVER IN CONTROL**



# Pilot 5 Possible use-case scenarios: morning journey (2/2)



   <b>PARKING</b>	<p>Self-driving <b>TAXI</b></p>  		
<b>DRIVER OUT OF THE LOOP</b>	<b>DRIVER OUT OF THE LOOP</b>		

# Useful info

**Type of actions:** IA (Innovation Actions)

**Dates:** Closing: 12 Apr 2016

**Budget:** *Proposal requesting EU contribution up to 20M€*

**Workprogramme:**

[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016\\_2017/main/h2020-wp1617-focus\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-focus_en.pdf) - page94

**Info Day:**

**IoT Pilot5 Infoday – Brussels – December 3<sup>rd</sup>**

- <http://ec.europa.eu/digital-agenda/en/internet-things>

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