



# BELGIUM PILOT'S ECOSYSTEM LESSONS

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Tractebel

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# Belgian pilots on C-ITS

**CITRUS**

**INTERCOR**

**C-ROADS Flanders**

**C-ROADS Wallonia**

- ⇒ Besides Intercor (4G and G5), main services is provided by 4G communication.
- ⇒ A general goal by the authorities is to achieve better road safety by providing C-ITS (day one) services.

NOTE! This presentation is based on the findings of Tractebel as partner in C-ITS projects and is not necessary the opinion of the responsible road authority


# Role of Tractebel in C-Roads

- Evaluation of the quality of the service
- Technical-functional evaluation
- User acceptance

## Available services

- Warning for road works, traffic jam, object or slow driving vehicle on the road, bad weather conditions, shockwave damping and variable speed limits.

# C-ITS vision and goals

 *“Get traffic signs and traffic info in the vehicle in order to make it more safe for the drivers.”*

⇒ It was noted that this is (rather) hard to achieve because of:

⇒ Lack on quality of the provided content (if only one stakeholder is involved) or user friendliness,...

⇒ Complex (technical) eco-system which is not completely understandable for all the stakeholders (standards, harmonisation, security,...)

Top 3 Potential services:

- Hazardous location notification
- Traffic Jam Ahead Warning
- In-vehicle speed limits

# Institutional challenges

- Ⓒ Collaboration between all the involved stakeholders are needed
- Ⓒ Clear business models should be developed and provided
- Ⓒ To assure cross-boarder C-ITS, the service system should be easy to understand. Complex specs, etc. would only slow down corss-boarder interoperability
- Ⓒ User needs should be taken into account to assure user acceptance and usage of the service

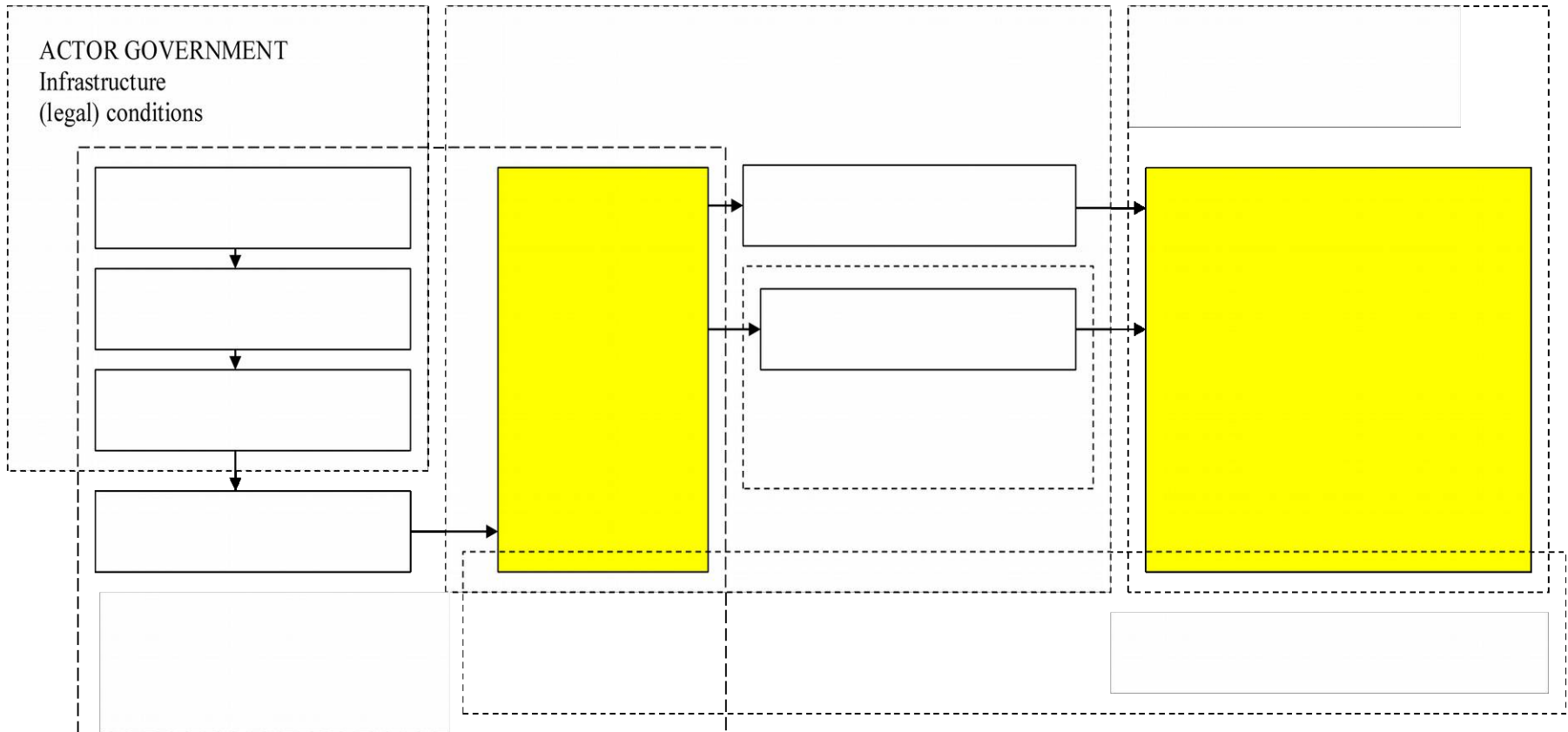
# SYSTEMS, TECHNOLOGY AND DATA

- Ⓒ Main concern is, that It is hard to understand and to follow what systems and standards are used.
- Ⓒ the complexity in technology, specs. and standards could lead to difficulties in implementation.
- Ⓒ Relation telecom and mobility: two different worlds with there own language
- Ⓒ A lot of data will be needed: EC regulation is demanding the free use of safety related data: Will there be motivation of the private sector to assure this data?

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# A general framework/ecosystem







# THANK YOU!

Contact

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