

C-ITS Stakeholder Workshop

Impacts evaluation

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Needs from lessons learned, way forward

- 1 Unambitious strategy, precise evaluation objective(s) and needs – not only seeking for a number
- 2 Inherently dynamic data – uncertainties in evaluation, transparent assumptions
- 3 Independent evaluators – competent, neutral, fair (incl. negative results), avoid hidden Col
- 4 Integrated systems deployment – not just offering a solution, without a BM and (interactions of) other factors
- 5 Appropriate and transferable impact evaluation approaches
- 6 Strong cooperation: European initiatives and projects

C-MOBILE (ACCELERATING C-ITS MOBILITY INNOVATION AND DEPLOYMENT IN EUROPE)

20 Feb 2018 at 13:30-14:15 C-Mobile Webinar: Next steps for C-ITS deployment <http://c-mobile-project.eu/>

Technology / Innovation Element	Current TRL	Target TRL	Barcelona	Bilbao	Bordeaux	Copenhagen	Newcastle	North Brabant	Thessaloniki	Vigo
Bundle 1: urban efficiency										
a. Rest time management	8-9	9		x	x			x		
b. Motorway parking availability	8-9	9		x	x			x		
c. Urban Parking availability	7	9		x	x					
Bundle 2: infrastructure-to-vehicle safety										
a. Road works warning	8	9	x	x	x	x	x	x	x	x
b. Road hazard warning (incl. traffic jams)	7-8	9	x	x	x	x	x	x	x	x
c. Emergency Vehicle Warning	7-8	8-9	x		x			x	x	x
d. Signal Violation Warning	5	7	x		x			x	x	x
e. Warning system for pedestrian (not limited to crossings)	5	6-7	x		x	x	x	x	x	x
Bundle 3: traffic efficiency										
a. Green priority	7	9	x		x	x	x	x	x	x
b. Green light optimal speed advisory / Dynamic eco-driving	6-7	8-9	x		x	x	x	x	x	x
c. Cooperative traffic light for pedestrian	5	6-7	x		x	x		x	x	
d. Flexible infrastructure (HOV, peak-hour lanes)	5-6	7-8	x		x		x		x	
e. In-vehicle signage (e.g. Dynamic speed limit)	5-6	7-8	x		x		x		x	x
f. Mode & trip time advice (e.g. by incentives)	7	8	x		x				x	
g. Probe Vehicle Data	6	8	x		x		x		x	x
Bundle 4: vehicle-to-vehicle safety										
a. Emergency Brake Light	7-8	8-9			x					x
b. Cooperative (Adaptive) cruise control (Urban ACC)	5-6	7-8			x			x		x
c. Slow or Stationary Vehicle Warning	7-8	8-9			x					x
d. Motorcycle approaching indication (including other VRUs)	6-7	7-9			x			x		x
e. Blind spot detection / warning (VRUs)	5	6-7		x	x		x	x		



C-ITS impacts evaluation

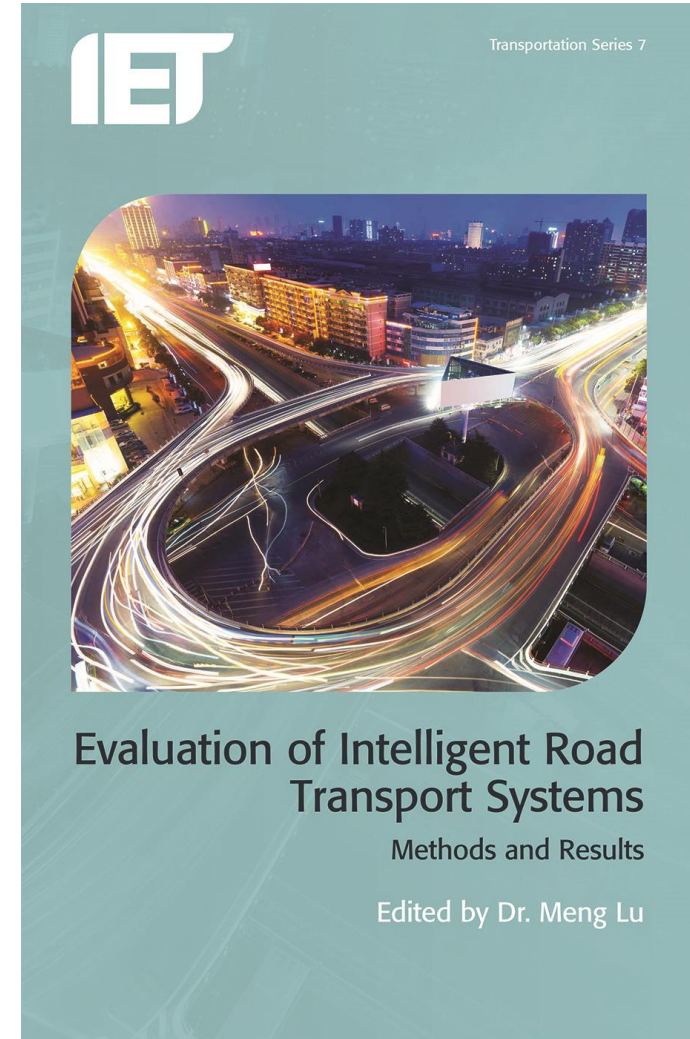
The Unknown

As we know,
There are known knowns.
There are things we know we know.

We also know
There are known unknowns.
That is to say
We know there are some things
We do not know.

But there are also unknown unknowns,
The ones we don't know
We don't know.

- Donald Rumsfield





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THANK YOU

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