

EasyWay

Annual Forum 2010



Shortcut to the future.
Lisbon • November 16th-18th



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ROSATTE project for speed limit information to traveller

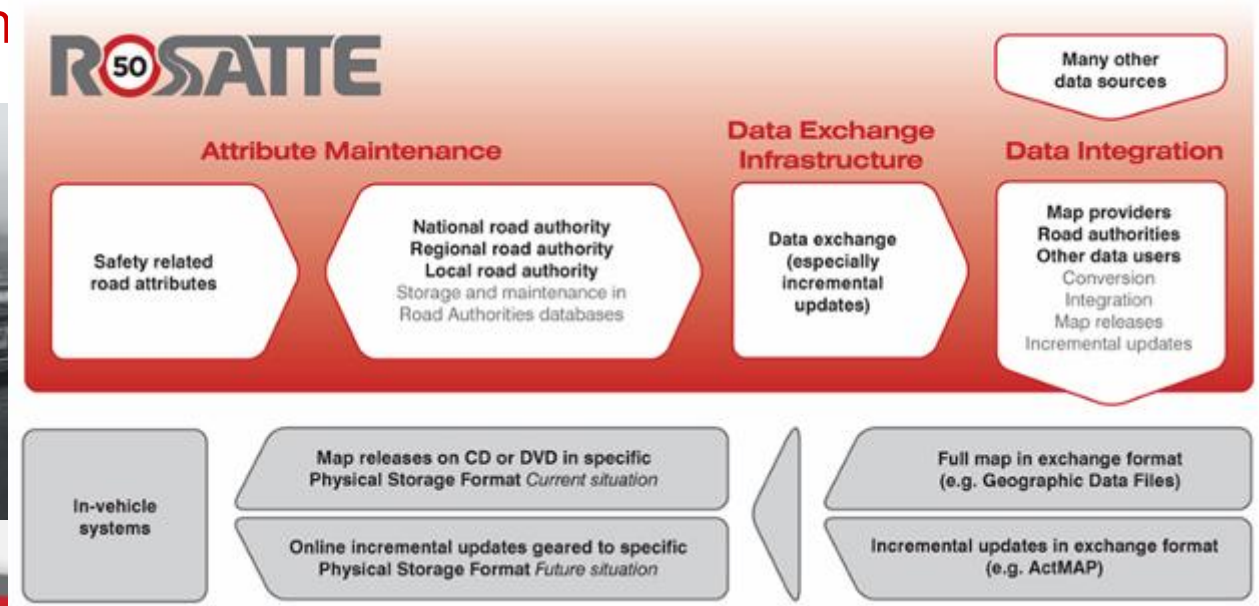
ROSATTE

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Franck PETIT (Cofiroute)



ROad S**A**fty **A**TTributes exchange infrastructure in **E**urope

- The ROSATTE project aims to specify the infrastructure that will give European-wide access to updated road safety attributes (e.g. speed limits, traffic signs, hot spots...)
 - Updating of safety related road attributes
 - Mapmakers/road operators key for quality updates
 - European harm



ROad **S**afety **ATT**ributes exchange infrastructure in **E**urope
15 Partners involved, 7 countries



Project coordinator	Map Providers	Software providers	Research institute	Road operators
ERTICO	TeleAtlas (TomTom)	PTV	LROP	ASFA
				SETRA
ERTICO	Navteq	Triona	Univ. Stuttgart	Vlaamse Overheid
				NPRA
ERTICO	Navteq	Triona	Sintef	SRA
				OBB
				TFL

Motorway operator's involvement

- Good knowledge of the current speed limits
- Road attributes exchange processes already existing
- Existing static speed limit database
 - △ Speed limit demonstrator on internet

<http://www.autoroutes.fr/>



Motorway operator's involvement

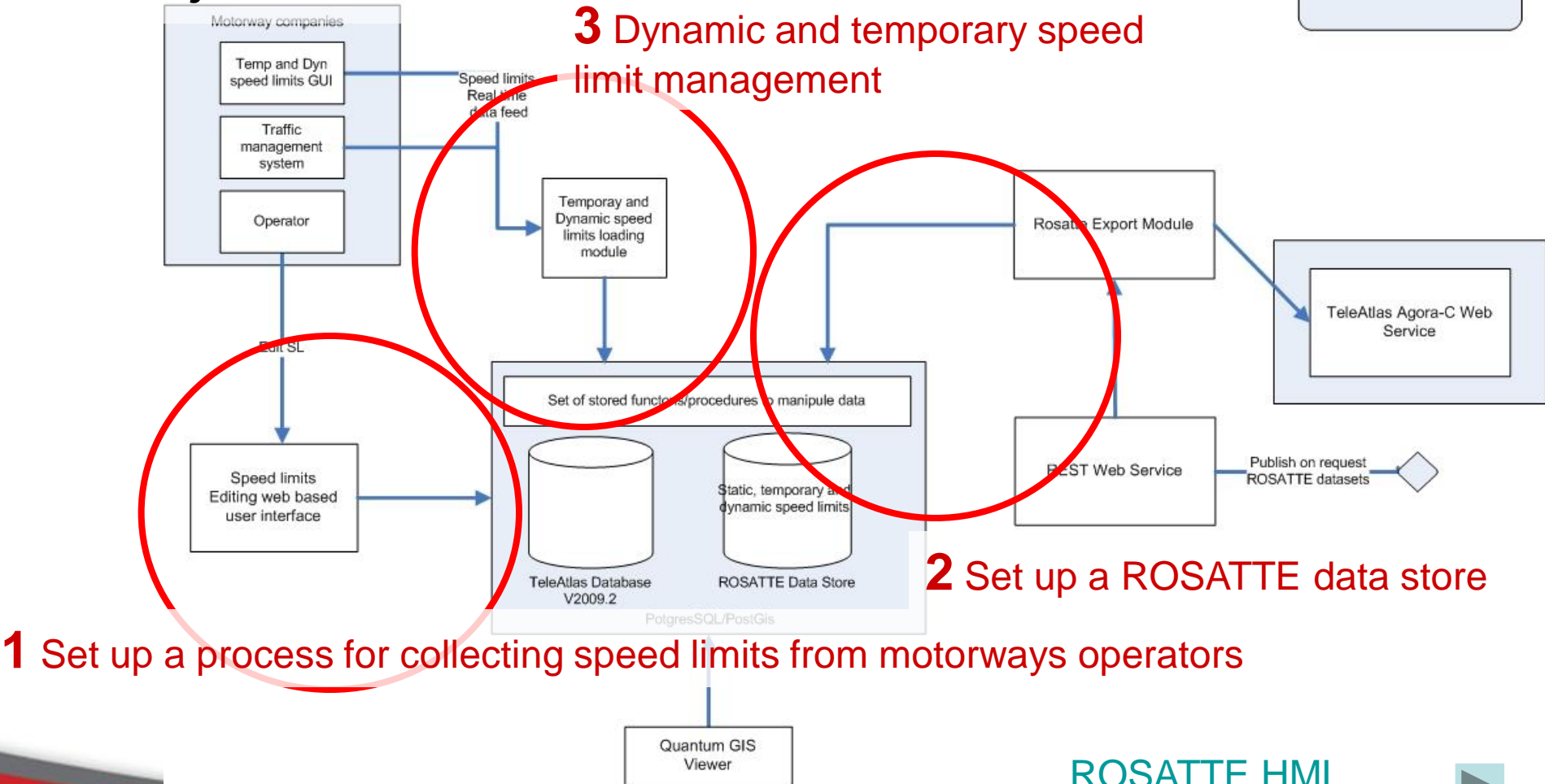
- **Real-time speed limits management**
now widespread on motorway networks
 - △ Road works
 - △ Heavy traffic
 - △ Air pollution
- **Very high expectations concerning compatibility between in-vehicle information and field reality**
 - △ Driver's safety
 - △ Road workers' safety



ASFA's Test Site

Objectives

ROSATTE
ASFA technical architecture



HMI for static speed limits management

Rosatte - Site de visualisation des vitesses

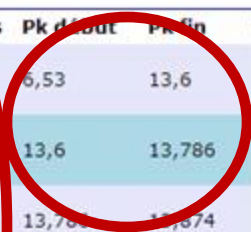
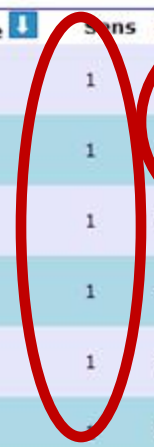
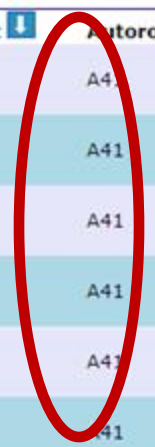
Afficher les vitesses [statiques](#), [dynamiques](#) - [Insérer une vitesse statique](#)

Vitesses statiques

Motorway Direction

Kilometric point start and end

Exploitant	Id Troncon	Id Segment	Autoroute	Sens	Pk début	Pk fin	Vitesse		
AREA	100047	21	A41	1	0,53	13,6	130	Modifier	Supprimer
AREA	100048	21	A41	1	13,6	13,786	110	Modifier	Supprimer
AREA	100049	21	A41	1	13,786	13,874	90	Modifier	Supprimer
AREA	100050	21	A41	1	13,874	14,173	70	Modifier	Supprimer
AREA	100051	21	A41	1	14,173	40,5	130	Modifier	Supprimer
AREA	100052	21	A41	1	88,5	138,339	130	Modifier	Supprimer
AREA	100053	21	A41	1	138,339	139,319	90	Modifier	Supprimer
AREA	100054	21	A41	1	139,319	139,502	90	Modifier	Supprimer
AREA	100055	21	A41	1	139,502	139,778	70	Modifier	Supprimer
AREA	100058	21	A41	1	139,778	159,004	110	Modifier	Supprimer
AREA	100059	21	A41	1	159,004	159,254	90	Modifier	Supprimer
AREA	100060	21	A41	1	159,254	159,474	70	Modifier	Supprimer
AREA	100076	22	A41	2	0,34	0	70	Modifier	Supprimer
AREA	100075	22	A41	2	0,845	0,34	90	Modifier	Supprimer



Motorway Company

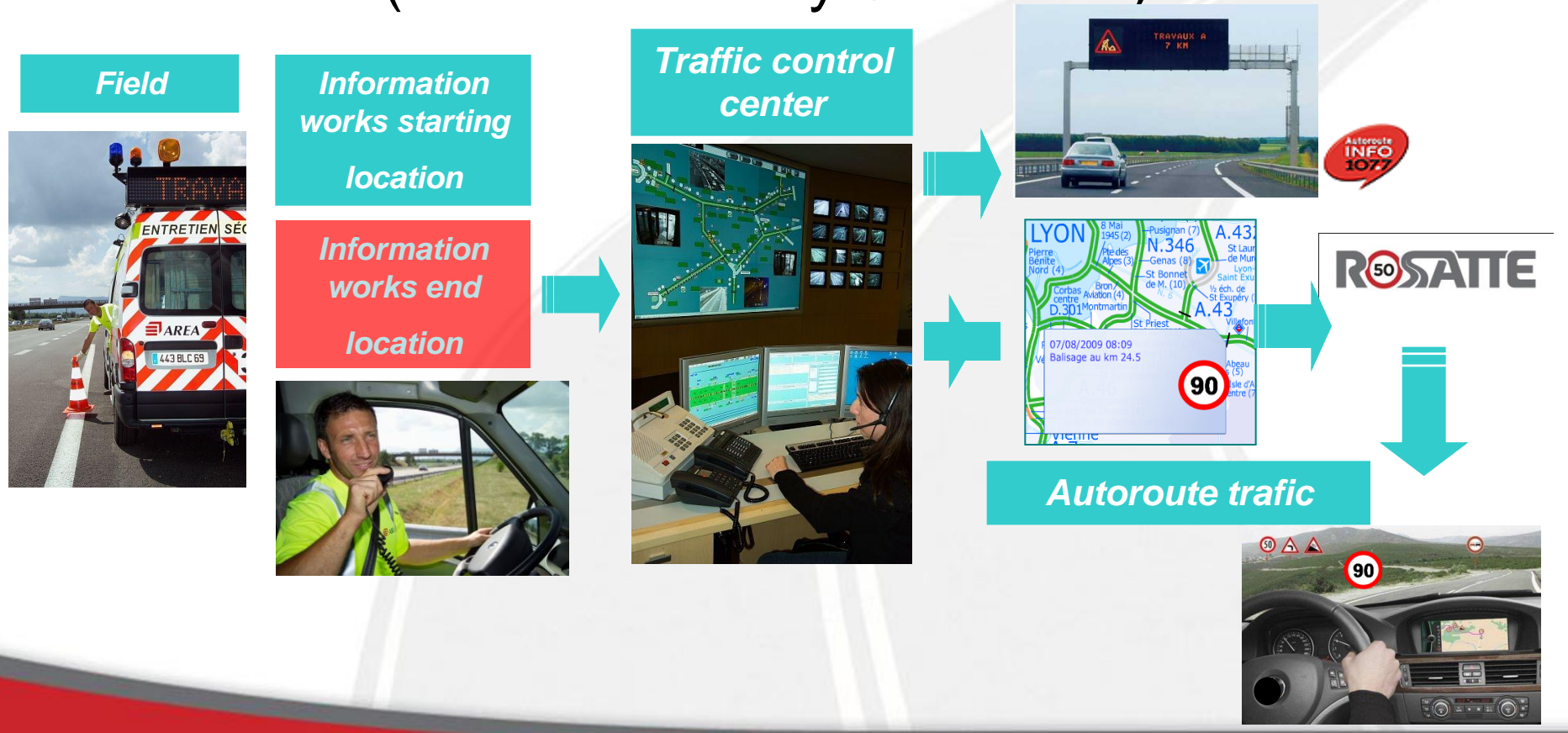
**Insert
Modify
Delete**

Conversion to ROSATTE format

- Conversion module : Motorway-kilometric point to x, y coordinates
- Location converted in AGORA-C through webservice
- Data available for map providers to ROSATTE format through REST webservice
- Decoding possible by TeleAtlas and Navteq

Dynamic speed limits management


- Integrated to traffic control system
- In real time (refreshed every 5 minutes)



Temporary speed limits management

- Starting and ending date known (long works)
- User interface
- Integrated in ROSATTE database with condition: starting and ending date

HMI for temporary speed limits management

COFIROUTE  **AUTOROUTES TRAFIC**

Buttons: **Quitter** (with arrow icon), **Suppression Limitation** (red), **Nouvelle Limitation** (blue), **Enregistrer Limitation** (blue)

Info: **Nouvelle limitation**

Courant | **Historique**

A71 (113,8 - 112)
110 Travaux Tous

LIMITATION ID : --

AXE: A10 | DIRECTION: Sens1

PR DEBUT: 0,0 | PR FIN: 0,0

VITESSE LIMITE NORMALE: 130

VITESSE LIMITE TEMPORAIRE: 110

CAUSE: Travaux

TYPE VEHICULE: Tous

RÉPÉTÉ QUOTIDIENNEMENT

DATE DEBUT:

<	juin 2010							>
lu	ma	me	je	ve	sa	di		
31	1	2	3	4	5	6		
7	8	9	10	11	12	13		
14	15	16	17	18	19	20		
21	22	23	24	25	26	27		
28	29	30	1	2	3	4		
5	6	7	8	9	10	11		

DATE FIN:

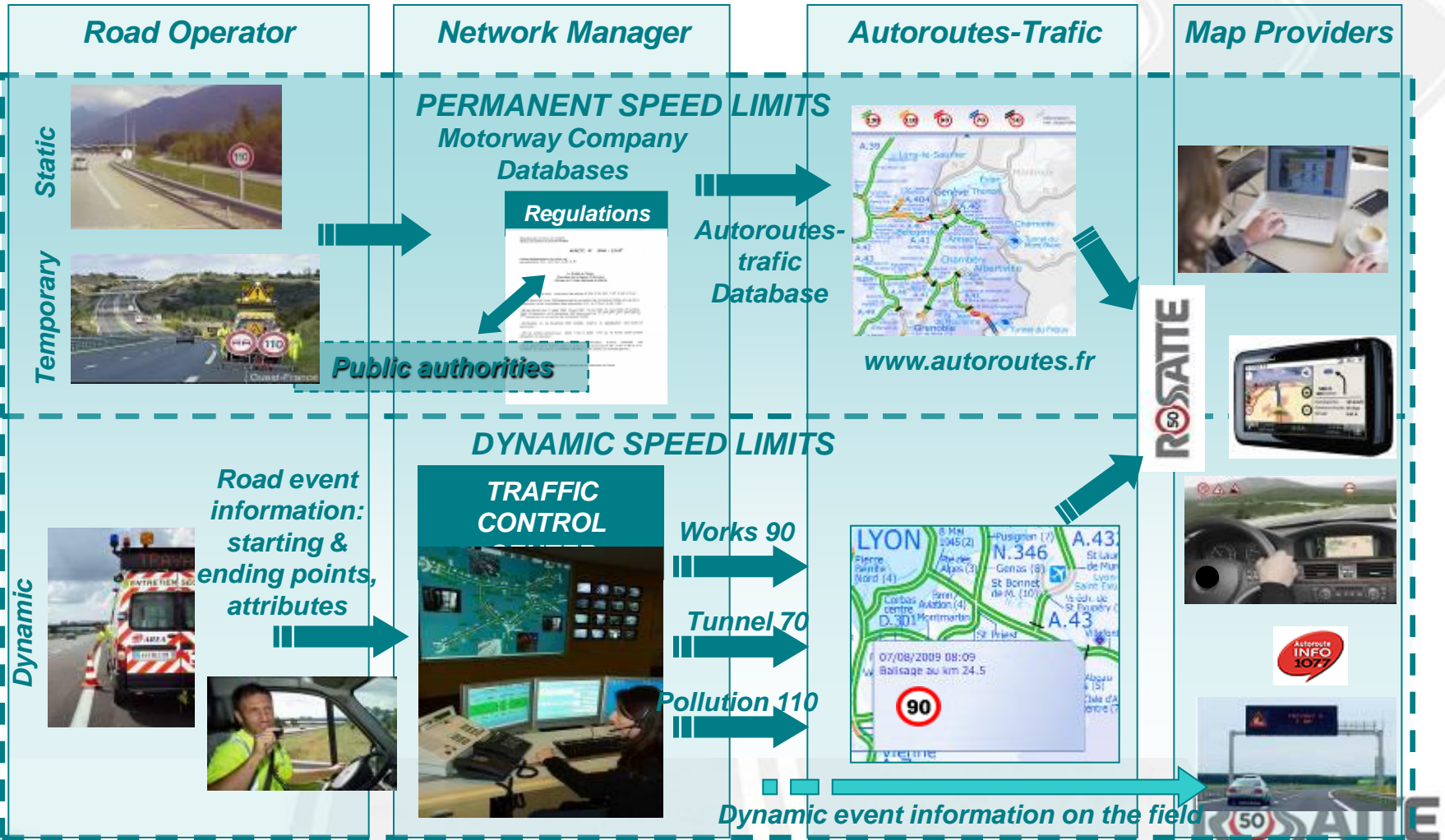
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14	15	16	17	18	19	20		
21	22	23	24	25	26	27		
28	29	30	1	2	3	4		
5	6	7	8	9	10	11		

HEURE: 00 : 00

HEURE: 00 : 00

Saisie
Carte

ASFA's Test Site



Outputs of the project

- Define speed limits maintenance processes
- Tackle temporary speed limits handling
- Measure the accuracy and reliability of our data
- Reduce the time frame between changes on the road and corresponding database updates
- Prepare the display of dynamic speed limits into the vehicles

Questions / Remarks

Final Event

on 23rd and 24th of November, Malmö

Thank you for listening

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