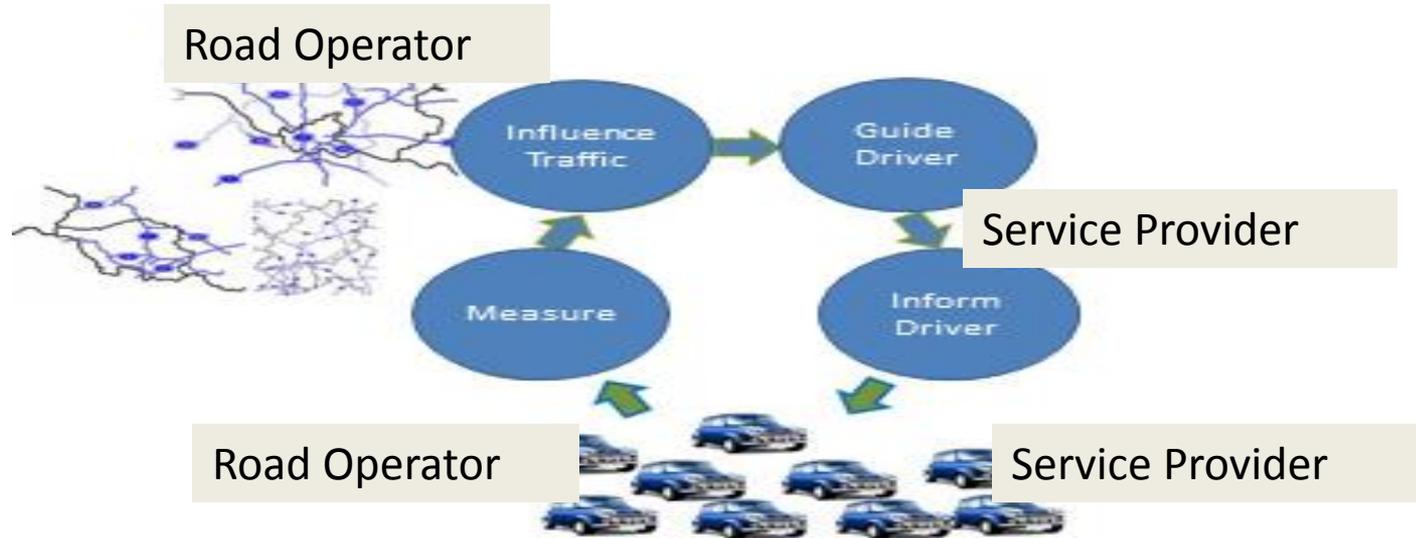




# General slides for TM20 introduction

# Traffic Management: Traditional Situation

Road operators & service providers





## Vision TM 2.0

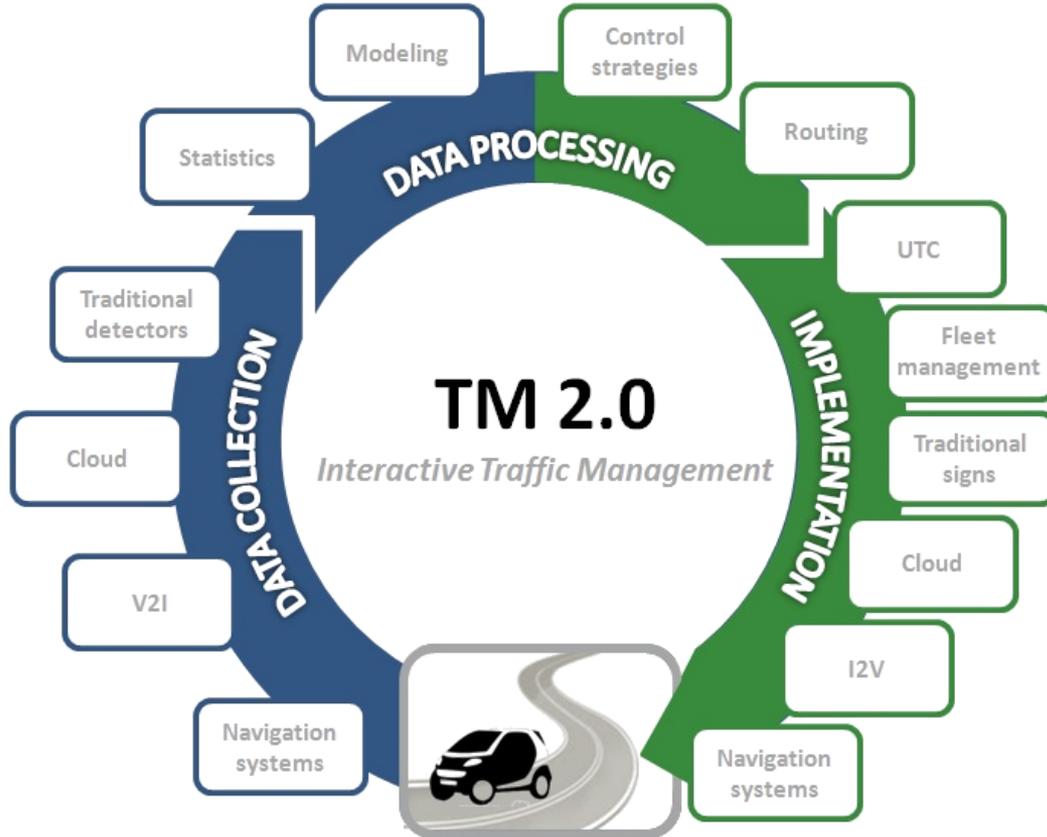
Enable vehicle interaction  
with traffic management



aims to:

Use a set of common interfaces, principles and business models to facilitate the exchange of data between vehicles and TMC. This is crucial for improving the entire value chain for consistent TM and Mobility services.

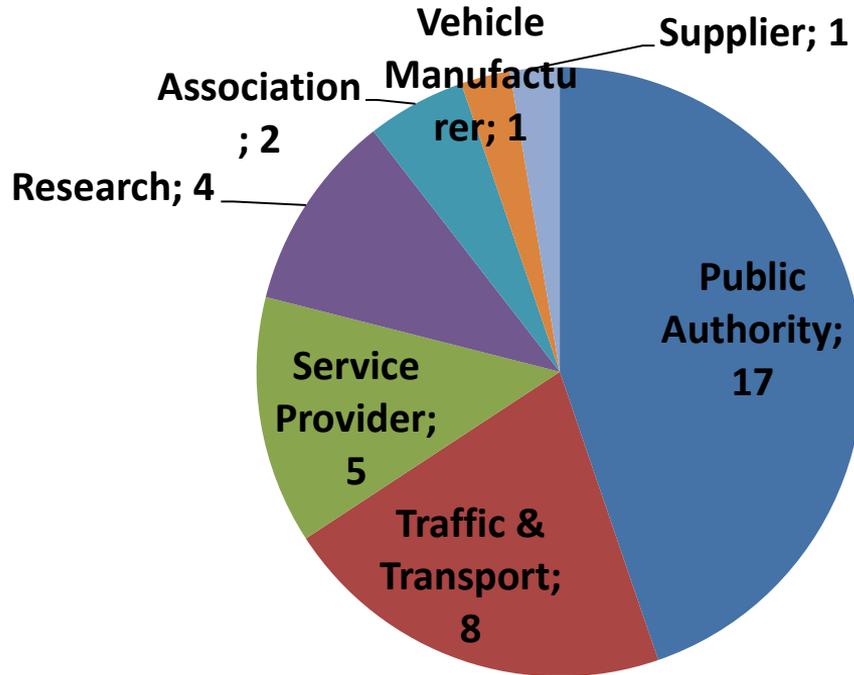
# TM 2.0 – What is needed



# TM 2.0 current membership

Public Authority	17
Traffic & Transport	8
Service Provider	5
Research	4
Association	2
Vehicle Manufacturer	1
Supplier	1

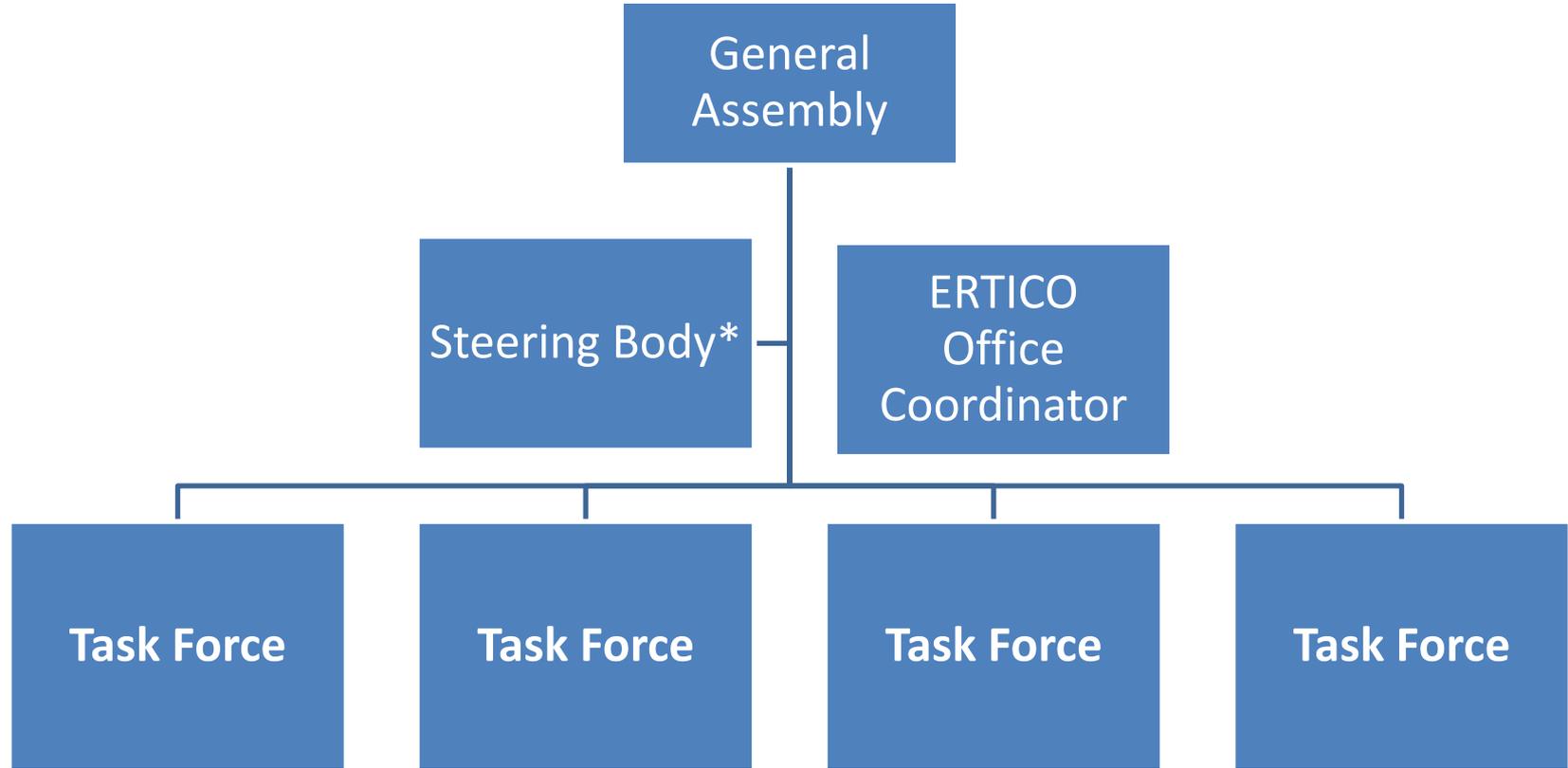
Total: 38



# TM2.0 current members

Association	Public Authority		Research	Service Provider	Suppliers	Traffic & transport	Vehicle manufacturer
ERTICO	Austriatech	NPRA	CERTH	ATOS	CONTI	Albrecht	BMW
ITS CZ	Autostrade Italia	RWS	CTAG	HERE		DYNNIQ	
	Brabantstad	SALZBURG	ICCS	PTV		INRIX	
	CNIT	STA	TNO	TECHNOL		KAPSCH	
	FEDRO	Stad Gent		TomTom		Mott MacDonald	
	FTA	TfL				SIEMENS	
	Hamburg city	Verona				SWARCO	
	Macedonia	Vigo				VIALIS	
		Vlaanderen					

# Governance: TM 2.0 Roles and structure



\*Elected every year by the TM 2.0 members

# TM 2.0 - Mission

The future of Traffic Management is to build upon deployment of connected vehicles and travellers in order to:

**achieve**  
convergence of  
mobility  
services and  
traffic  
management

**create synergies**  
between actions  
of the individual  
travellers with the  
collective mobility  
objectives

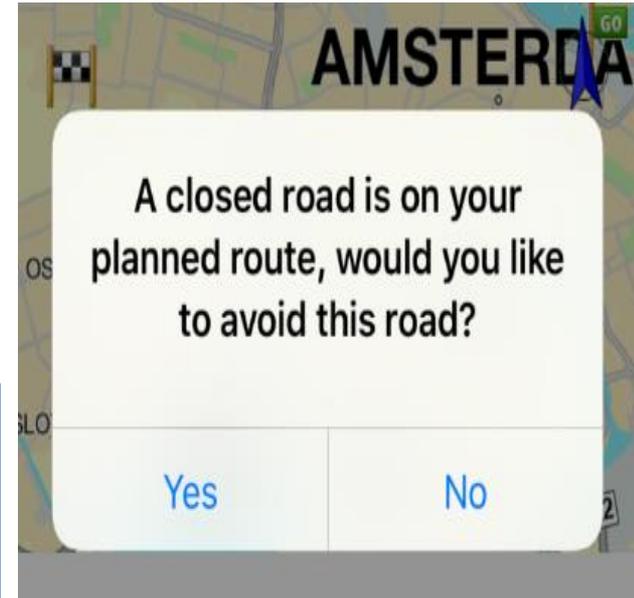
**bridge the**  
innovative  
developments  
in the vehicle  
and in the traffic  
management

# TM 2.0 – Mission (con/ued)

while giving value to the legacy  
and  
creating new business opportunities

# TM 2.0 concept of active moderation

Traffic Centres can use the communication channels of service providers and influence routing



Directly  
access many  
drivers and  
cars

Influence via  
Mobile Apps,  
In-Dash  
Navigation  
and PND's

Routes  
automatically  
adjusted

Traffic data  
on  
highways  
and on  
secondary  
roads

TMC  
preferred  
route  
offered as  
an option  
to the  
driver

# TM 2.0 added value for stakeholders

## City administrators / traffic managers

-  *avoid congestion and traffic collapse*
-  *avoid unnecessary emissions*
-  *improve TMP complementing or replacing loop detectors and enhancing accuracy*
-  *TMPs measures reach driver directly*
-  *FCD-enabled TM even in roads with no ITS (scalable)*

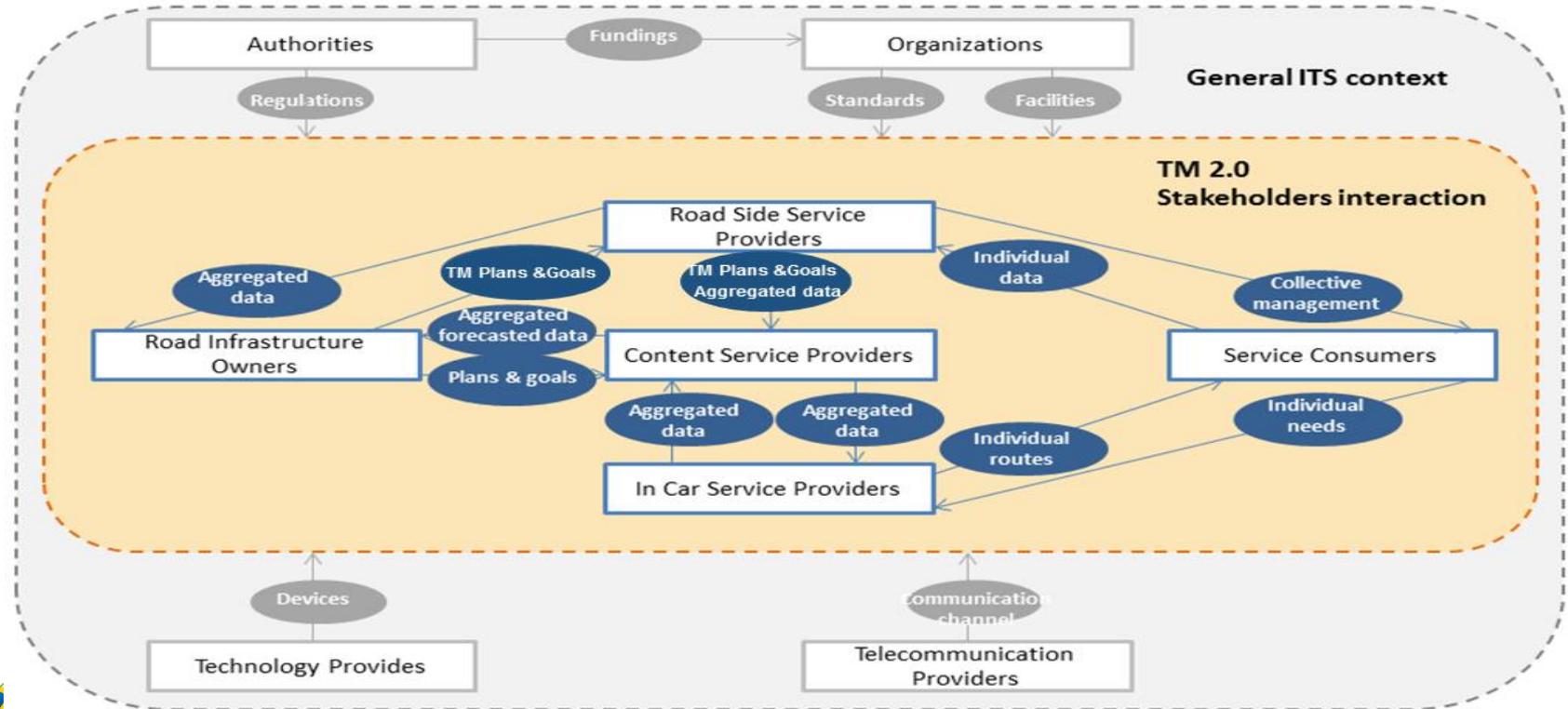
## Drivers

-  *avoid congestion: more relaxed driving*
-  *receive relevant regional information in-vehicle*
-  *improved road safety through smoother traffic flow*
-  *best route options aligned with TMPs*

## Traffic information service providers

-  *provide best route option for the destination (not only fastest)*
-  *provide information that goes beyond congestion*
-  *provide solution (best route option) not the problem (congestion info) well in advance*
-  *regional information becomes part of an integrated service*

# Organisational architecture model





# TM20 Members Illustrations

Name

Affiliation

# Ex: Intelligent Traffic Management

Next generation  
intelligent transportation  
management  
&  
dynamic traffic forecasting  
in the  
connected mobility space

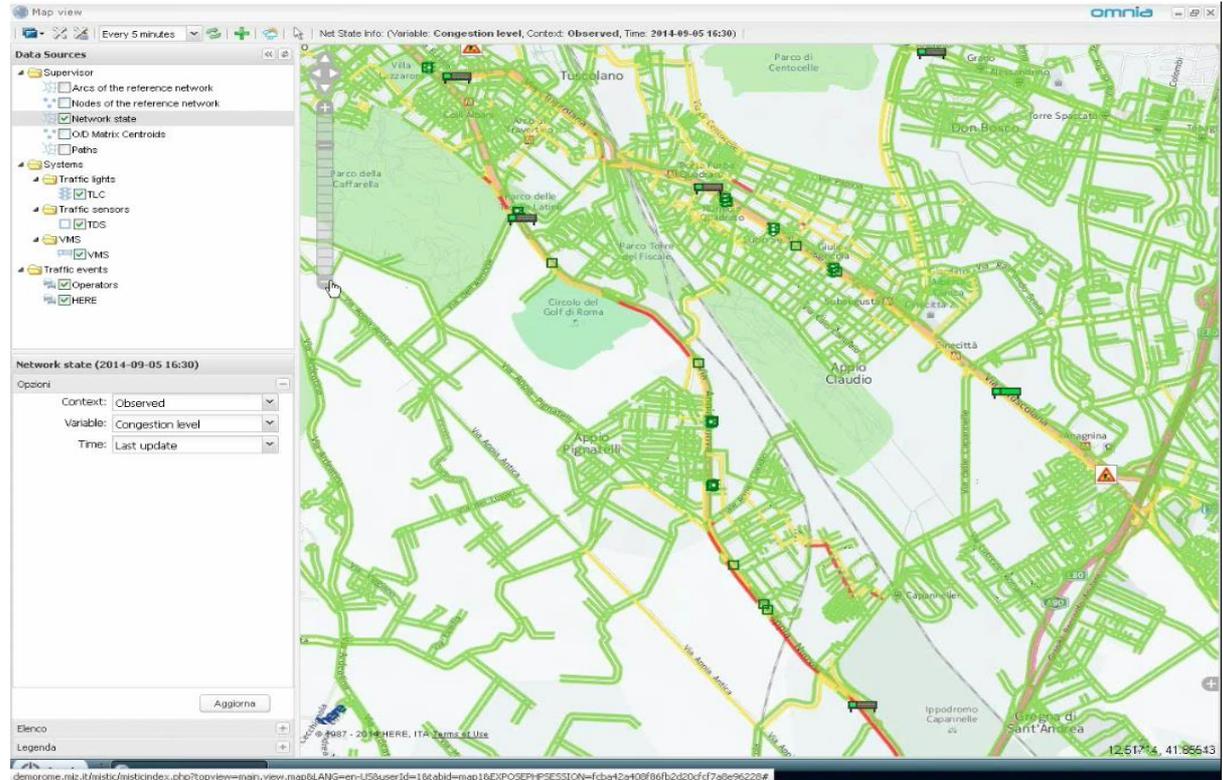
Being demonstrated in:  
**Rome, Berlin, ...**



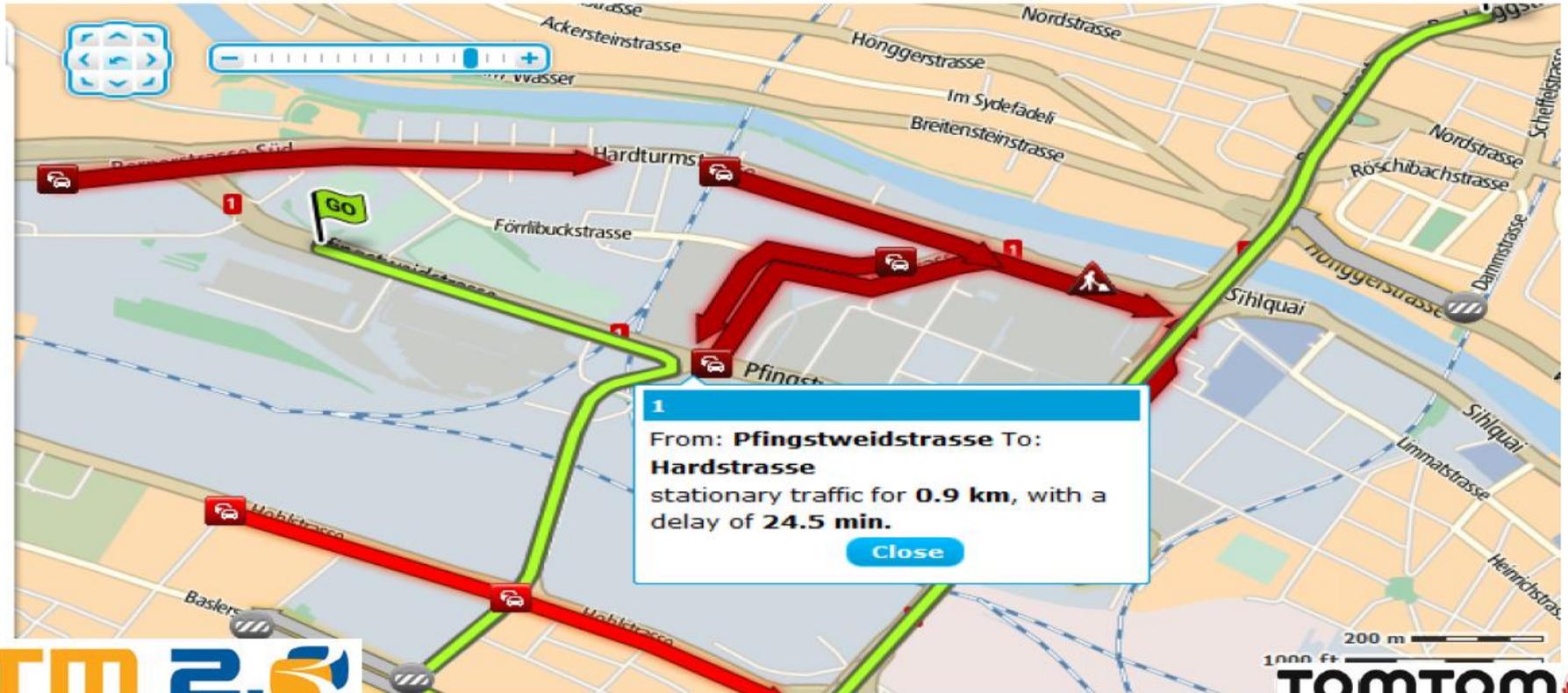
First in Traffic Solutions.



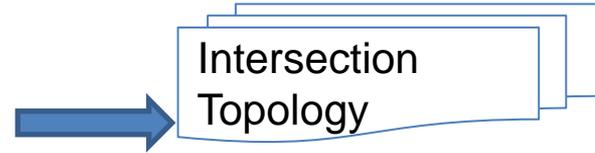
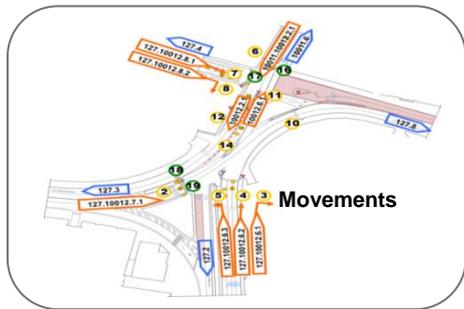
Maps for Life



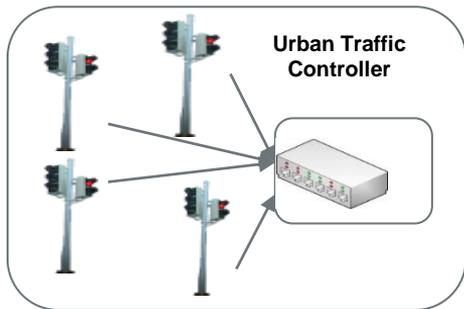
# Ex: Intelligent Traffic Management



# Ex: Traffic Light Assistance Application



MAP Message  
CEN TC278 WG 16/ISO  
TC204 WG 18

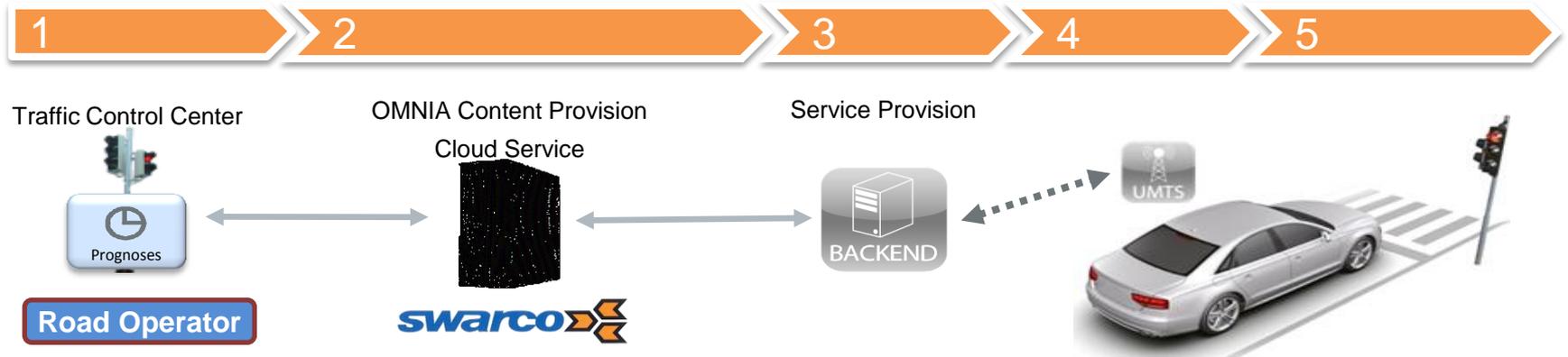


SPAT Message  
CEN TC278 WG 16/ISO  
TC204 WG 18

>1000 Intersections in Berlin  
+ Verona, Garmisch, ...



# One feasible C-ITS value chain



Traffic Management and Control Infrastructure		OEM Backend		Vehicle
<b>1</b> Existing Data	<b>2</b> Content	<b>3</b> Customer Relationship	<b>4</b> Communication	<b>5</b> Delivery



<http://www.TM20.org>

Coordinators

Johanna Tzanidaki: [j.tzanidaki@mail.ertico.com](mailto:j.tzanidaki@mail.ertico.com)

Patricia Pelfrene: [p.pelfrene@mail.ertico.com](mailto:p.pelfrene@mail.ertico.com)