

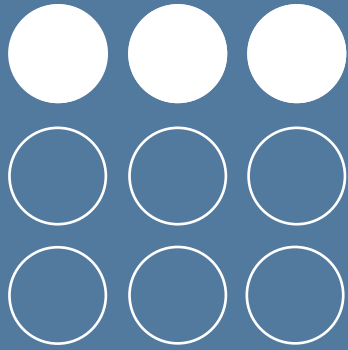
ITS 3



TMC and roadside technologies for ITS

Dr. JOHANNA TZANIDAKI

ERTICO – ITS EUROPE



Enabling vehicle interaction with traffic management

TM 2.0 Platform



Started in 2014



Focus on new solutions for advanced and active traffic management



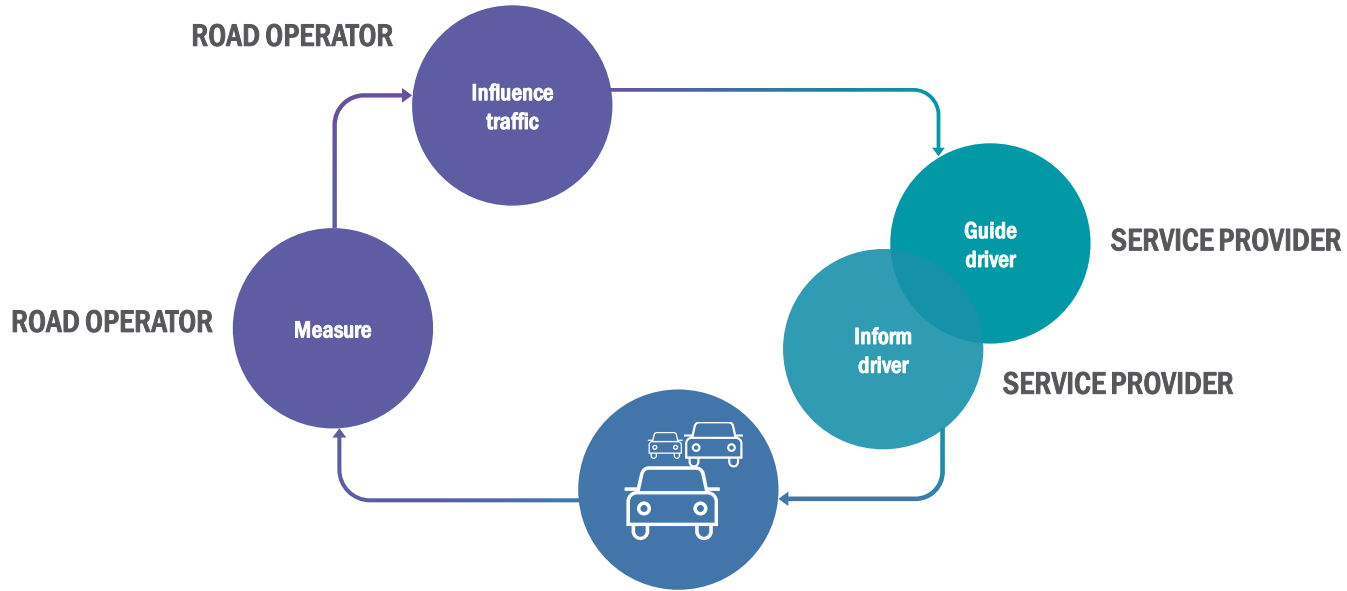
an ERTICO innovation platform



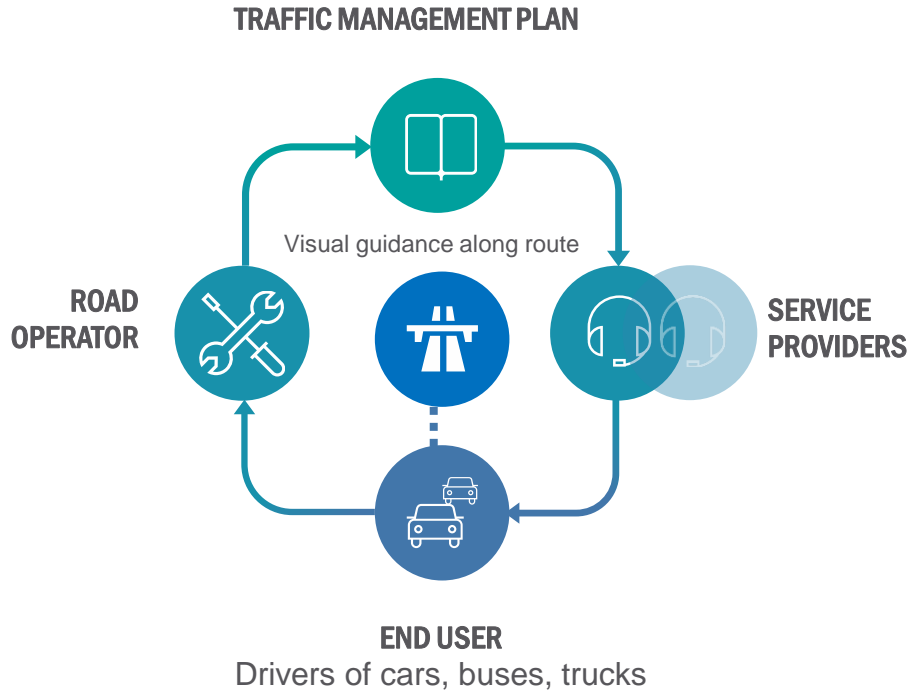
Vision: **“Enable vehicle interaction with traffic management”**

Traffic Management: Traditional Situation

Road Operators & Service Providers



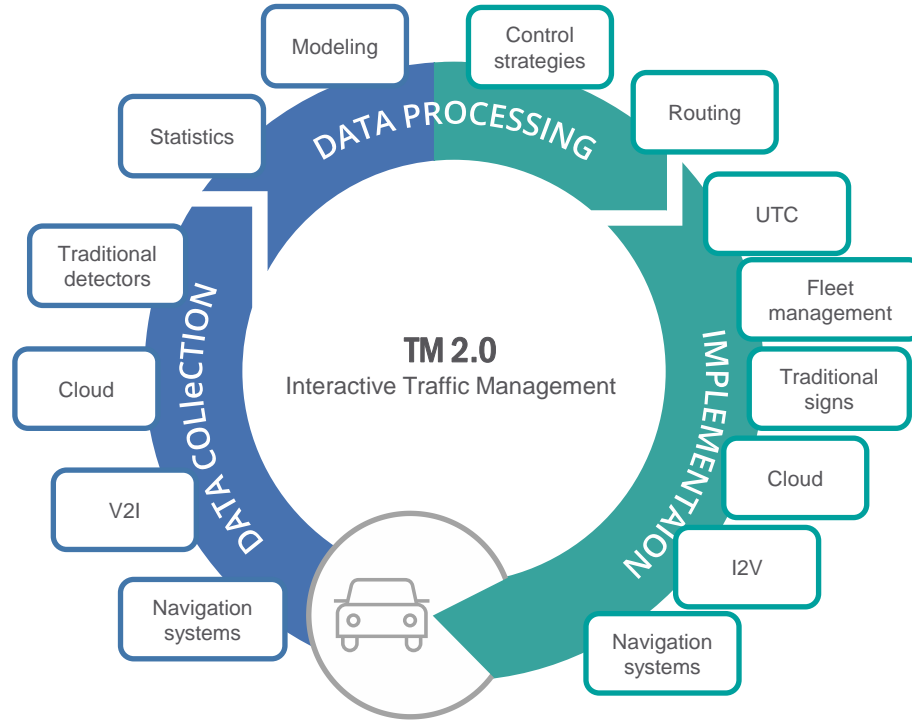
TM2.0 - Towards Active Traffic Management



Coherence of:

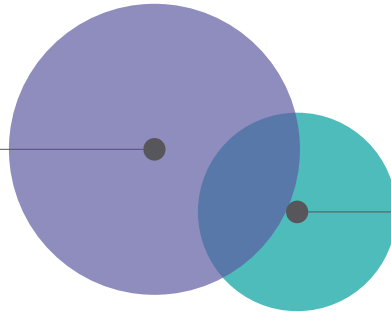
- **Traffic management plans** provided by road authorities **with**
- **Dynamic traffic information** provided by traffic service providers **with**
- **Guidance** provided by navigation service providers

TM 2.0 – What is needed



Basic aims

Use a set of **common interfaces, principles and business models** to facilitate the exchange of data between vehicles and TMC.



+ Improve entire value chain for consistent TM and Mobility services.

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

TMP 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

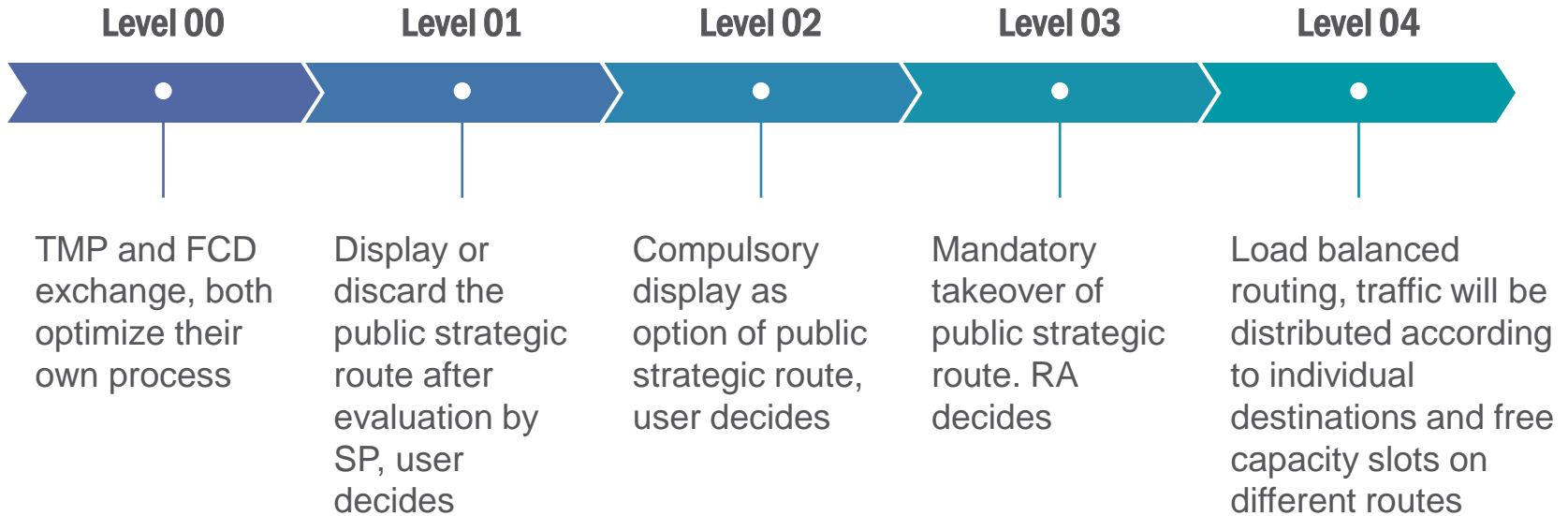
Provide best route option for the destination (not only fastest)

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

TM Cooperation levels



TM 2.0 concept of active moderation

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



TM2.0 current members (1)

Associations



Vehicle Manufacturer



Public Authorities



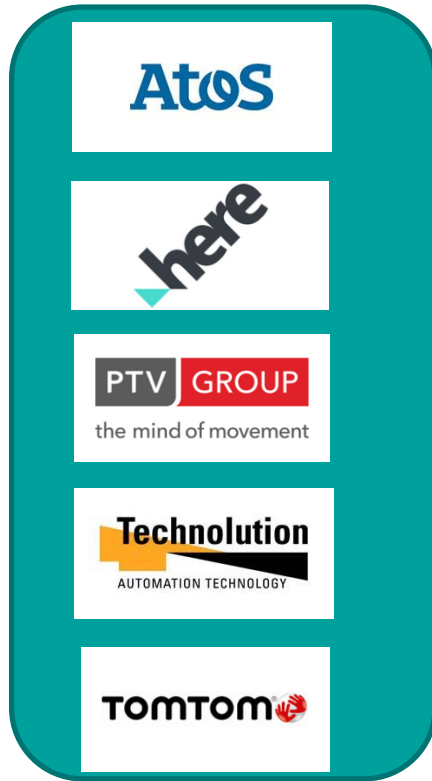
TM2.0 current members (2)






Associations



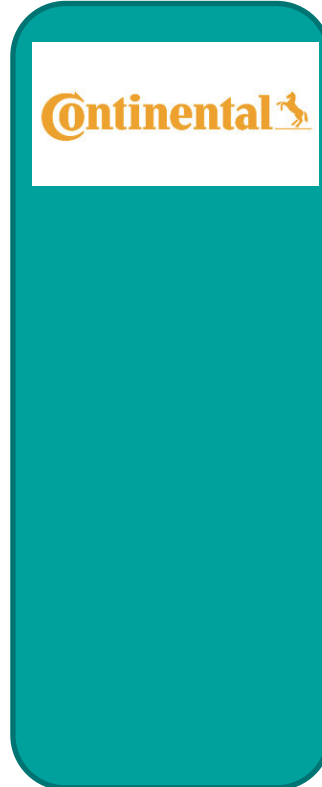
-  **CERTH**
CENTRE FOR RESEARCH & TECHNOLOGY HELLAS
-  **CTAG**
Centro Tecnológico de Automación de Galicia
-  **ETISEY ICGG**
-  **TNO** innovation for life


Service Providers



-  **Atos**
-  **here**
-  **PTV GROUP**
the mind of movement
-  **Technolution**
AUTOMATION TECHNOLOGY
-  **TOMTOM**

Suppliers



-  **Continental**

TTI



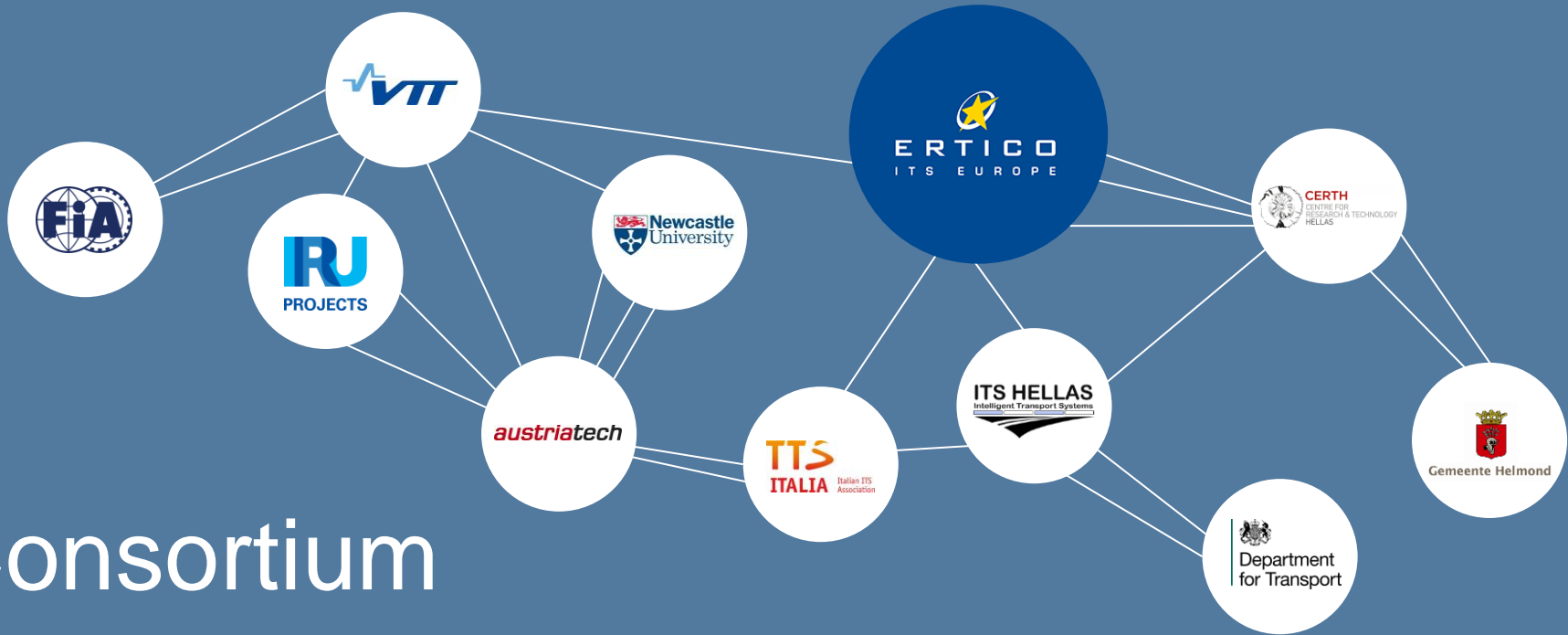
-  **Albrecht Consult**
-  **dymniq**
energising mobility
-  **INRIX**
-  **SIEMENS**
-  **swarco**
-  **Vialis**
-  **MOTT MACDONALD**

Concluding

In TM 2.0 Service Providers do not compete on the information but on its quality and on how to best route customers while taking the priorities of public authorities into account

In exchange, the public authorities open their information on their traffic management plans and measures to all cooperating Service Providers

TM 2.0 provides an informed view of the road network that leads to optimization of Traffic Management



Consortium



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