



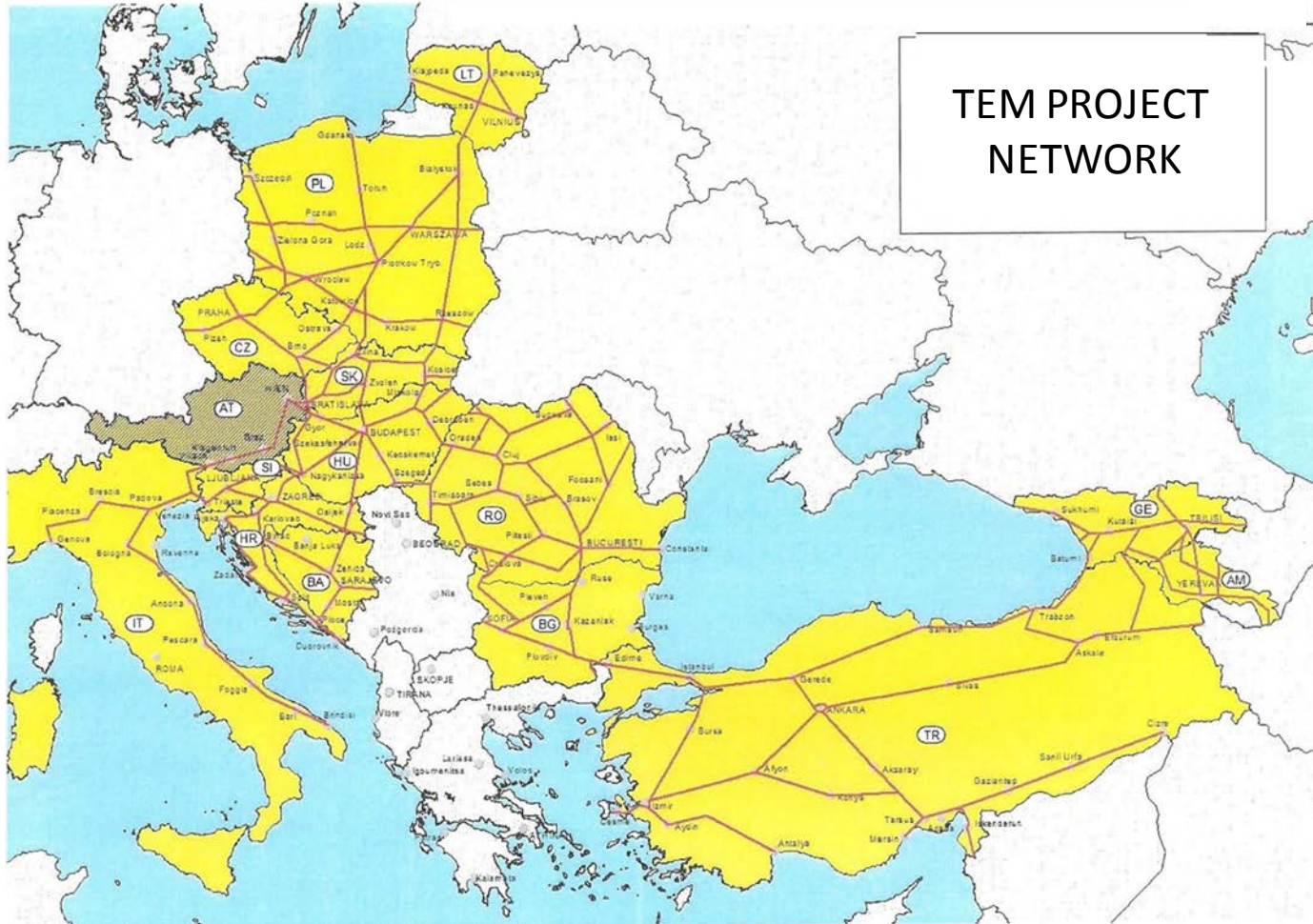
UNECE

**TRANS-EUROPEAN NORTH-SOUTH MOTORWAY PROJECT
(TEM)**

**UNIQUE PLATFORM FOR ROAD INFRASTRUCTURE
PROVIDERS AND OPERATORS**

February 2018

Who we are?



Why we were established?



What we do?

UN Sustainable Development Goals (TEM perspective)

- ✓ G.3.: Good health and well-being
- ✓ G.4.: Quality education
- ✓ G.5.: Gender equality
- ✓ G.6.: Clean water and sanitation
- ✓ G.7.: Affordable and clean Energy
- ✓ G.8.: Decent work and economic growth
- ✓ G.9.: Industry, Innovation and Infrastructure
- ✓ G.10.: Reduced inequalities
- ✓ G.11.: Sustainable cities and communities
- ✓ G.12.: Responsible production and consumption
- ✓ G.13.: Climate action
- ✓ G.14.: Life below water
- ✓ G.15.: Life on land
- ✓ G.16.: Peace, justice and strong institutions
- ✓ G.17.: Partnerships for the goals

TEM Project Strategic Objectives

- ✓ Facilitating road traffic in Europe
- ✓ Improving the quality and efficiency of transport operations in UN ECE region
- ✓ Balancing existing gaps and disparities between motorway networks in Western, Eastern, Central and South-Eastern Europe
- ✓ Assisting the integration process of European transport infrastructure systems



How we do so?

TEM Project Strategic Objectives

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NETWORK

ANALYSIS AND PROJECTS COORDINATION

OPERATIONAL PROFICIENCY

BUSINESS PROCESSES IMPROVEMENT

TRENDS

UNDERSTANDING AND RESPONSE



Network

LEGACY:

- TEM Master Plan has been prepared in 2006 and revised in 2011;
- It contains revised list of priority projects of TEM backbone network;
- The expected status of the network in 2020 is also projected.

CURRENT PROJECT:

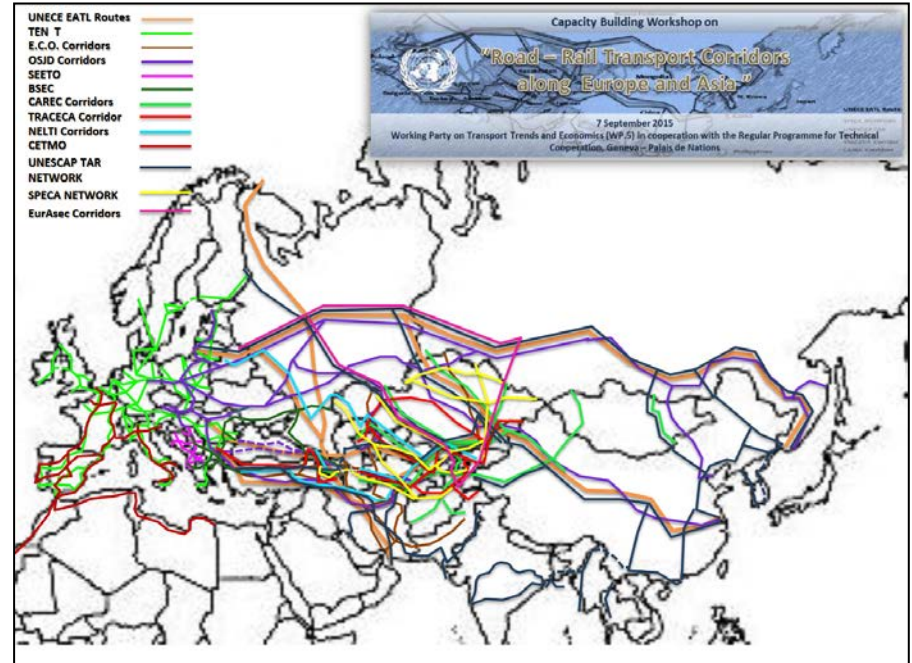
- TEM Network Report has been scheduled to be prepared in 2018;
- It will examine progress of network development;
- Transport growth and transport needs in terms of road infrastructure will be presented;
- Road safety has been taken into consideration, as well as
- Border crossings as probable bottle necks on the network



Network

INTERNATIONAL TRANSPORT INFRASTRUCTURE OBSERVATORY

- TEM Project – in accordance to its scope and engaged organizations from Member Countries – may contribute to ITIO goals in terms of network needs and its development, knowledge dissemination and further cooperation;
- Moreover, according to stakeholders analysis, which has been carried out by TEM Project Manager, ITIO appears as a body with crucial significance for TEM objectives;
- TEM Network Report may be considered as a first step in this cooperation as well as a basis for further widening of the Report scope, toward all categories of information required by ITIO.



Operational proficiency

PROVIDE SAFETY

INCREASE UTILITY

**DECREASE TOTAL
COST**

**INCREASE LIFETIME
VALUE**

**FUNDING,
CAPABILITIES,
GOVERNANCE**

PROJECTS DELIVERED:

- RSA and RSI on the TEM Network

CURRENT PROJECTS:

- Maintenance standards for roads and highways
- Functioning and financing of the national road infrastructure – solutions within different countries
- Conditions for creating an efficient PPP in the area of development and maintenance of roads

LEGACY:

- TEM Standards and Recommended Practice (design, construction, maintenance)



Operational proficiency

PROJECTS and ACTIVITIES UP TO 2021

Standards:

- Safety standards in work zones
- Development of a standard catalogue of public services in terms of road infrastructure
- Standards for road equipment for the protection of the environment

Evaluation of effectiveness and efficiency:

- road safety infrastructural means
- solutions for the protection of the environment
- tolling systems

Cooperation with partners:

- UN Regional Commissions, Specialized Agencies, Programmes and Funds, Departments and Offices
- Highways Engineering Exchange Program, IRF, OECD ITF, PIARC, CEDR
- UNECE (i.e.: WP.5, SC.1, WP.1, WP.6, Group of Experts for Construction Costs)

New business processes:

- Data collection, measurement and dissemination processes for road operators
- Alternative methods of energy production in the management of road infrastructure
- Building Information Modeling for road operators



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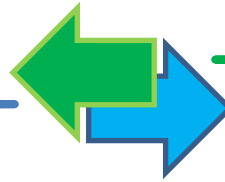
Trends

Trends in economy and transportation

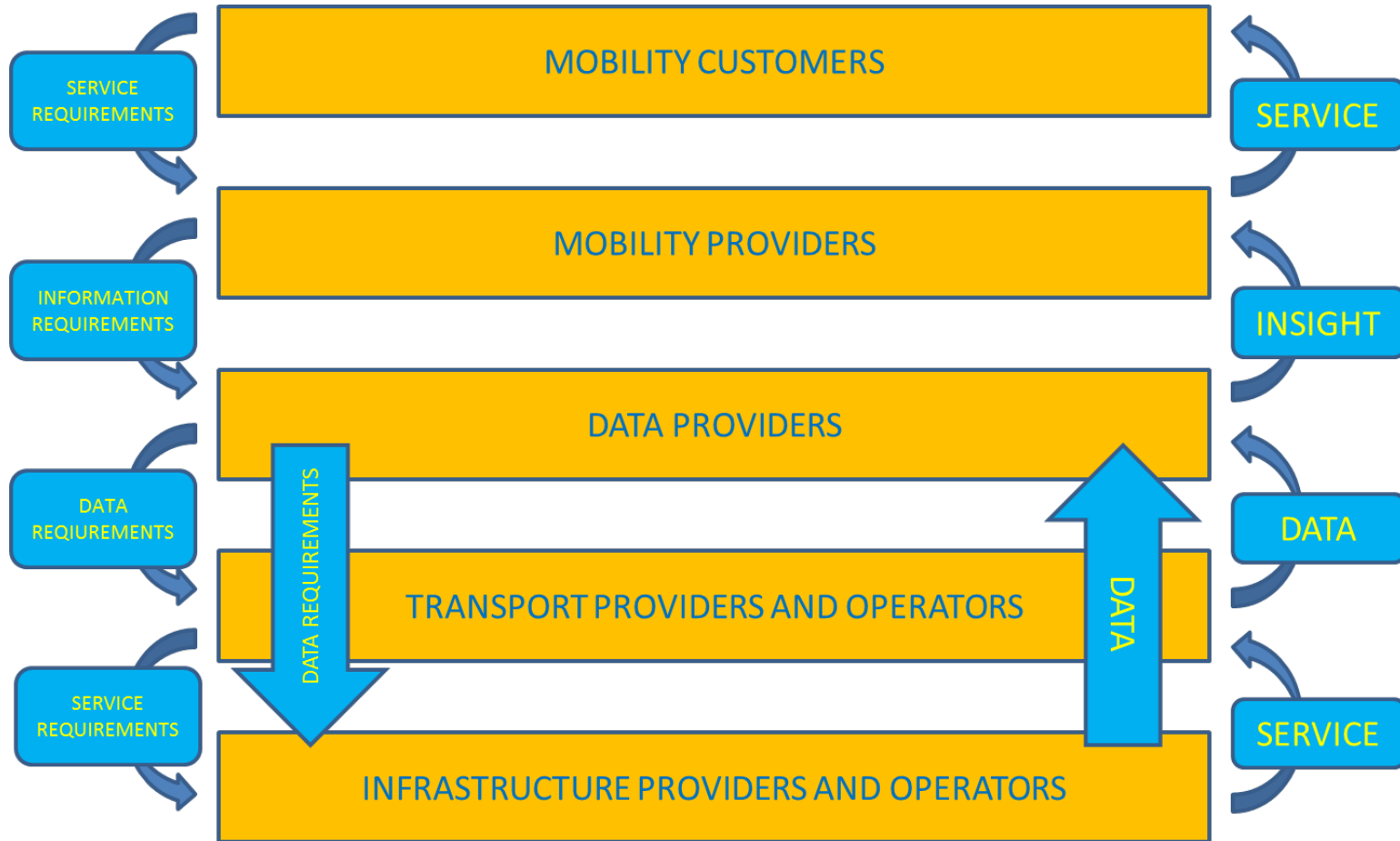
- Electrification
- Sharing-economy
- Automation

Road operators response in terms of:

- Self-explaining roads
- Well-maintained roads and signs
- Road traffic information
- Data collection and sharing
- New equipment of MSAs



Trends



Conclusions

UNIQUE PLATFORM FOR ROAD INFRASTRUCTURE PROVIDERS AND OPERATORS

SUSTAINABLE DEVELOPMENT GOALS

TEM PROJECT OBJECTIVES

NETWORK
IMPROVEMENT

OPERATIONAL
PROFICIENCY

TRENDS
RESPONSE



Thank you for your attention

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