



UNECE

TRANS-EUROPEAN NORTH-SOUTH MOTORWAY (TEM)

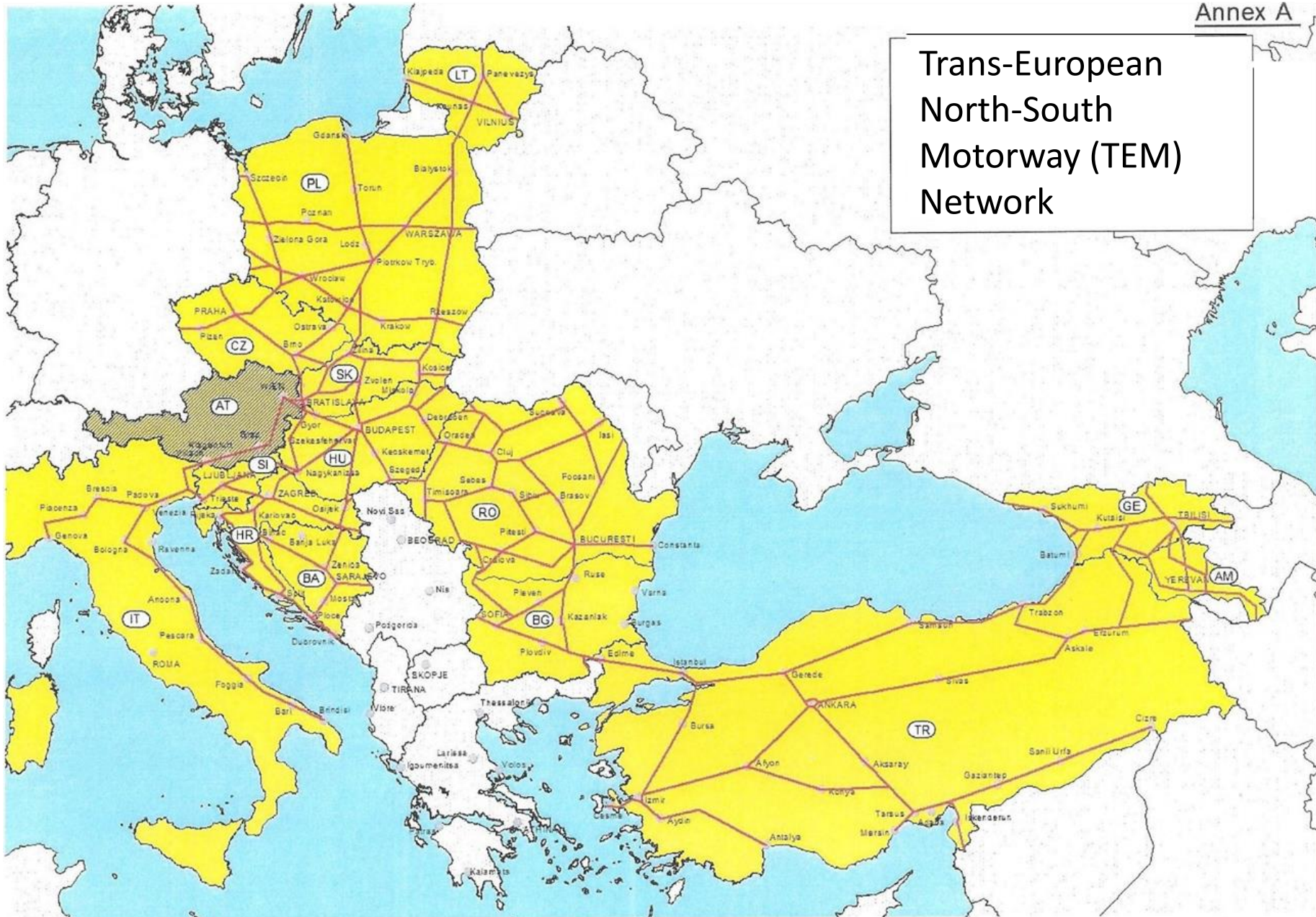
STRATEGY and WORK PLAN

112th session of Working Party on Road Transport

History of TEM Project

- Established:
 - 1977
- Purpose:
 - Regional cooperation initiative for the Central and Eastern European Countries
- Objectives:
 - To facilitate road traffic in Europe
 - To improve the quality and efficiency of transport operations
 - To balance gaps and disparities between motorway networks
 - To assist the integration process of transport infrastructure
- Legacy:
 - TEM Master Plan (existing and planned investments), 2011
 - TEM Standards and Recommended Practice (design, construction, maintenance), 2002

Trans-European
North-South
Motorway (TEM)
Network



TRANS-EUROPEAN NORTH-SOUTH MOTORWAY (TEM)

TRENDS

RELIABILITY

CONSCIOUS MANAGEMENT OF VALUE CHAIN

EFFICIENCY & EFFECTIVENESS

DATA MANAGEMENT

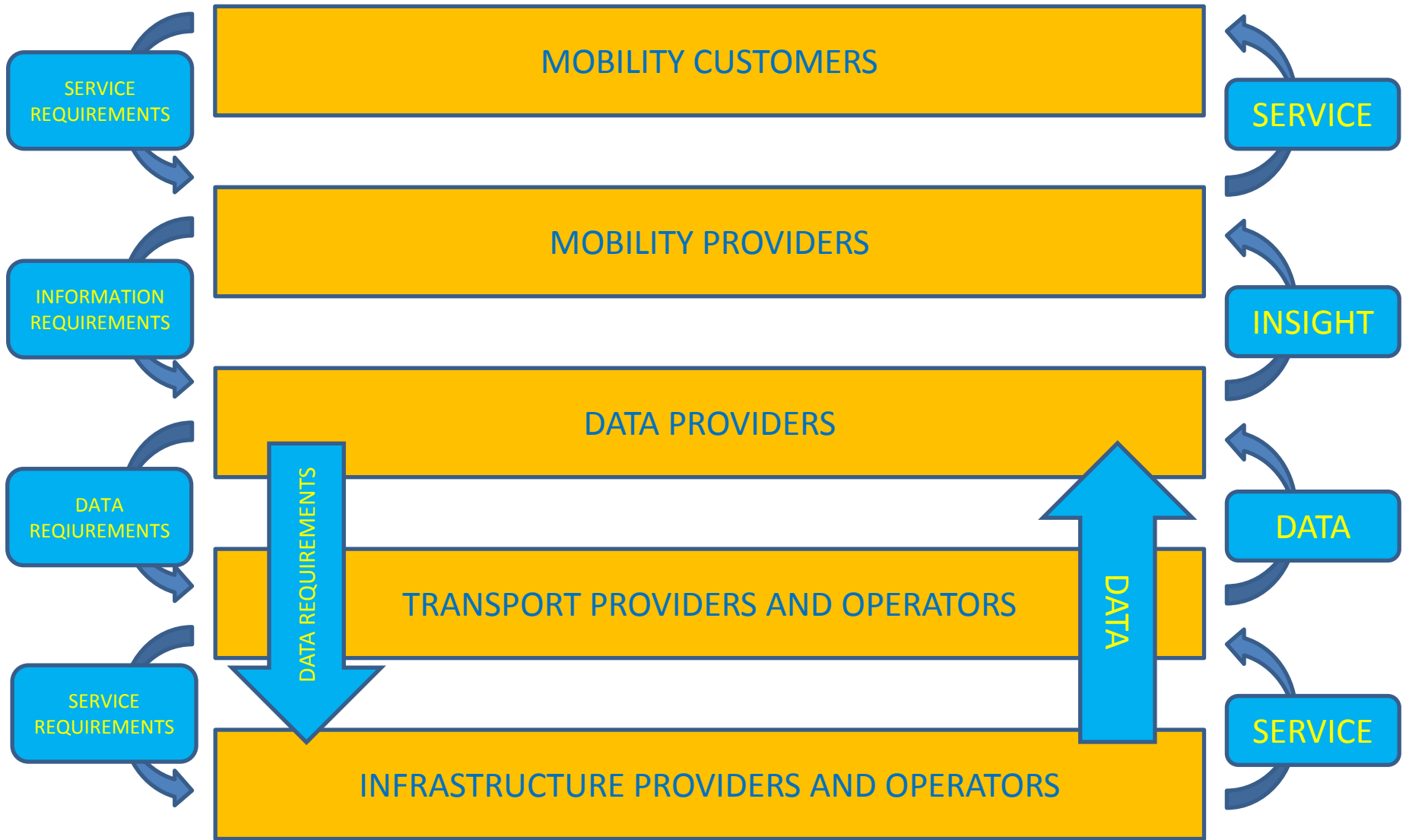
UN Sustainable Development Goals (TEM perspective)

- Essential:
 - G.3.: Good health and well-being
 - G.7.: Affordable and clean energy
 - G.9.: Industry, Innovation and Infrastructure
 - G.10.: Reduced inequalities
 - G.12.: Responsible production and consumption
 - G.13.: Climate action
 - G.15.: Life on land
- Complementary:
 - G.6.: Clean water and sanitation
 - G.8.: Decent work and economic growth
 - G.11.: Sustainable cities and communities
 - G.16.: Peace, justice and strong institutions

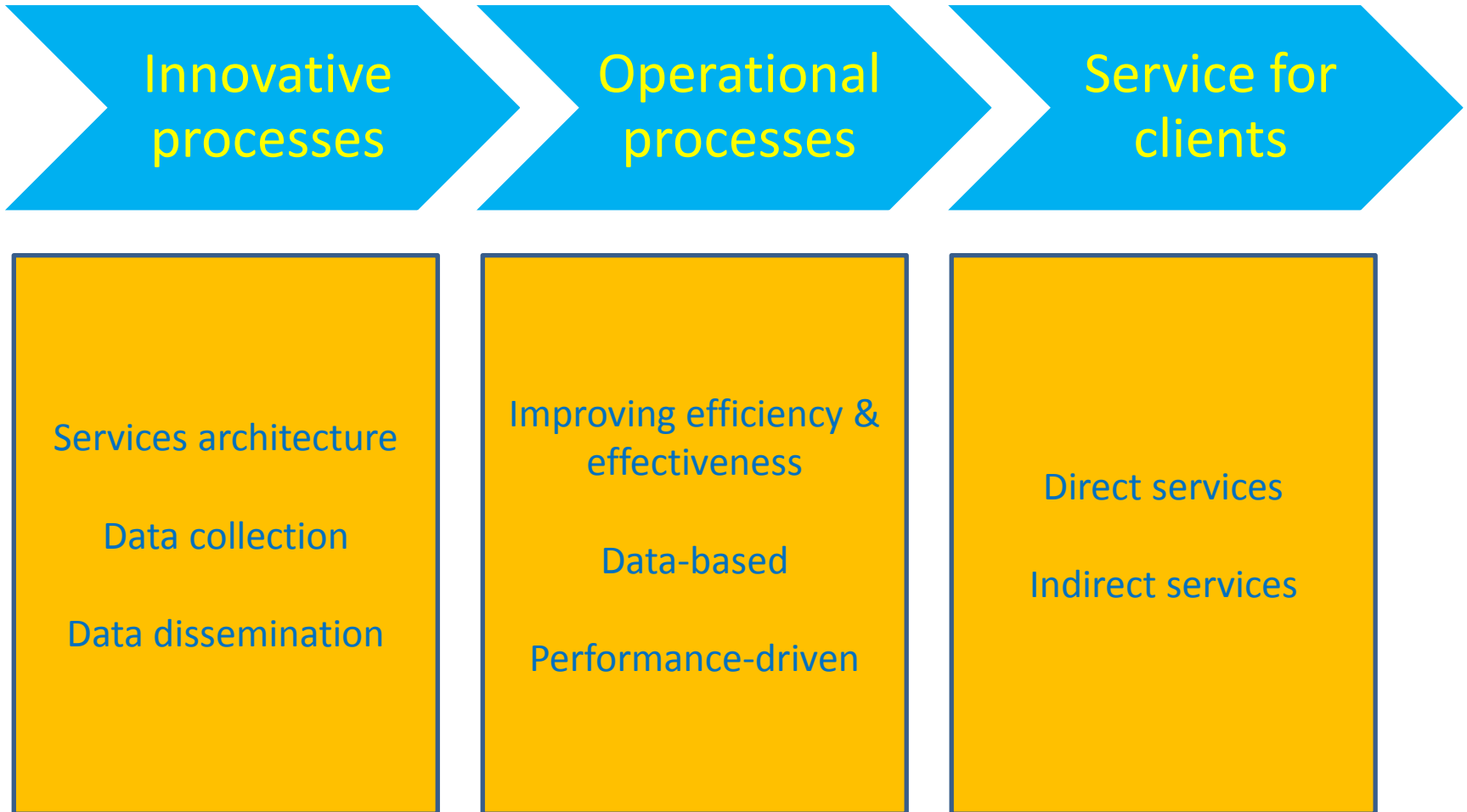
Trends in economy & transportation

- Electrification
- Sharing-economy
- Automation





DEMANDS & ACTIONS



TEM Project Mission & Vision

- **Mission:**

- The TEM Project constitutes a forum for cooperation between the governments of TEM MS, which **creates standards, good practices and guidelines for systemic and strategic issues related to road infrastructure management**. In its activities the TEM Project takes the perspective of national government administrations, and focuses on the issue of sustainable development

- **Vision:**

- The TEM Project aims at obtaining the role of a **substantive partner** for the UNECE and the Inland Transport Committee on road infrastructure management, thus **supporting the UN and TEM MS** in achieving the sustainable development goals by implementing the Project strategic initiatives



SUSTAINABLE DEVELOPMENT GOALS



TEM Project value proposition

I. TEM project supports UNECE and Inland Transport Committee in achieving the goals of sustainable development (the so-called SDGs) on issues related to the management of road infrastructure

TEM PROJECT

II. TEM Project will interpret and translate the SDGs into strategic initiatives related to the key issues of the management of road infrastructure

Criteria for selection of strategic initiatives in the TEM Project

Common interests of member countries

SYSTEMS AND SOLUTION MODELS

EFFICIENCY OF PUBLIC SERVICES

PRAGMATISM OF RESULTS

Systemic & strategic issues

Value chain processes

- Improvement of **programming and planning** of transportation network extension and development
- Enhancement **designing** of roads, superstructures and facilities
- Intensification of cooperation in the field of roads **construction**
- Improvement of **asset management**
- Cooperation and knowledge exchange within **traffic management, ITS and C-ITS** issues
- Enhancement of **safety and security** management
- **Environmental impact** management
- Initiation of **data management** and facilitation of **mobility** management
- Knowledge exchange and assessment of used **business models and contracts** for above activities
- Comparison of **organization** of road/transport authorities
- Analysis and assessment of different **financing sources and methods**

Immediate objectives

1. Assessment and improvement of environmental impact management
2. Analysis and comparison of different organizational approaches for roads/transport authorities
3. Analysis and assessment of different financial sources and methods
4. Improvement of asset management and initiation of data and mobility management
5. Usage of IT technologies within designing, constructing and maintaining of roads
6. Improvement of road safety management

Strategic initiatives

- Environmental protection (Immediate Objective no. 1)
- Organization and financing of the roads and motorways (Immediate Objectives no. 2 and no. 3)
- Information systems for the management of the road infrastructure (Immediate Objectives no. 4)
- Innovations in road infrastructure management (Immediate Objective no. 5)
- Road safety (Immediate objective no. 6)

In parallel TEM contributes to:

**Benchmarking Transport Infrastructure
Construction Costs**

Scope of work

- Identify models, methodologies, tool and good practices for evaluating, calculating and analysing inland transport infrastructure costs
- Identify and list terminologies used in UNECE region for construction costs of inland transport infrastructure and in possible create a glossary of agreed terminologies and related explanations
- Collect and analyse data in order to prepare a benchmarking of transport infrastructure costs along ECE region for road, rail, inland waterways, intermodal terminals, logistic centres and ports

Way of work

- Governments
 - Sub-groups
 - Roads
 - Rails
 - IWW
 - Intermodal terminal/Logistics centers
 - Ports
- Secretariat
- Islamic Bank of Development consultant
- Working Parties and groups of experts within UNECE

Outputs

- Roads:
 - Terminology: approved
 - Questionnaire: approved
- Intermodal terminals/logistic centres:
 - Terminology: draft prepared
 - Questionnaire: draft prepared
- Rails, IWW, Ports:
 - Terminology: under preparation up to January 2018
 - Questionnaire: under preparation up to January 2018