Modern Transport Chains and Logistics

Design and management of freight and intermodal transport: The role of Governments

Working Party on Intermodal Transport and Logistics
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Transport Division
UNECE

UNECE, WP.24 …and logistics

- **Supply chain management and logistics**
  - of growing importance for competitiveness of economies
  - require reliable, flexible, fast and efficient transport
  - impact on transport demand, quality and land use
  - determine modal and inter-modal choices
- **Transport policies must respond**
  - at national level
  - at international level
- **UNECE and WP.24 provide a forum**
  - to exchange of information and best practices
  - to review of concepts and indicators (f.i. to measure logistics)
  - with expertise on regulatory and capacity building policies
  - at inter-governmental, pan-European level

“Virtual” Expert Group of WP.24

- **WP.24 requested Expert Group**
  - to structure the past considerations of WP.24
  - Identify measures for inter-governmental action

- **Expert Group prepared a note on**
  - concept of logistics and supply chains
  - impact on freight and intermodal transport
  - role and areas of Governmental action
  - examples of Governmental initiatives
  - proposals for future WP.24 activities

Note: ECE/TRANS/WP.24/2008/4

Informal documents No. 5 and 6 (GETC and Austria)

Logistics and intermodal transport

- **Logistics** (8-14% of GDP)
  - Process of designing and managing the supply chain
  - From supply to manufacturing to final distribution
  - Providing goods at least cost at place and time required by customers
- **Inland freight transport** (25-30% of logistics costs)
  - Essential part of logistics and supply chains
  - Decreasing importance (relative to logistics cost)
  - Quality challenge (reliable, flexible, fast, transparent, sustainable,… + cheap)
  - Bottleneck challenge (congestion road/ rail, port hinterland, urban areas)
- **Design and management of freight transport**

  (Freight transport logistics)
  - Planning, organization, control and execution of freight transport within (often global) supply chains
  - Intermodal transport provides flexibility for supply chain manager
  - Critical factors: Capacity (consolidation, transshipment)

WP.24 focus: Impact of global supply chains and logistics on modal choice and intermodal transport

Role of Governments in freight and intermodal transport

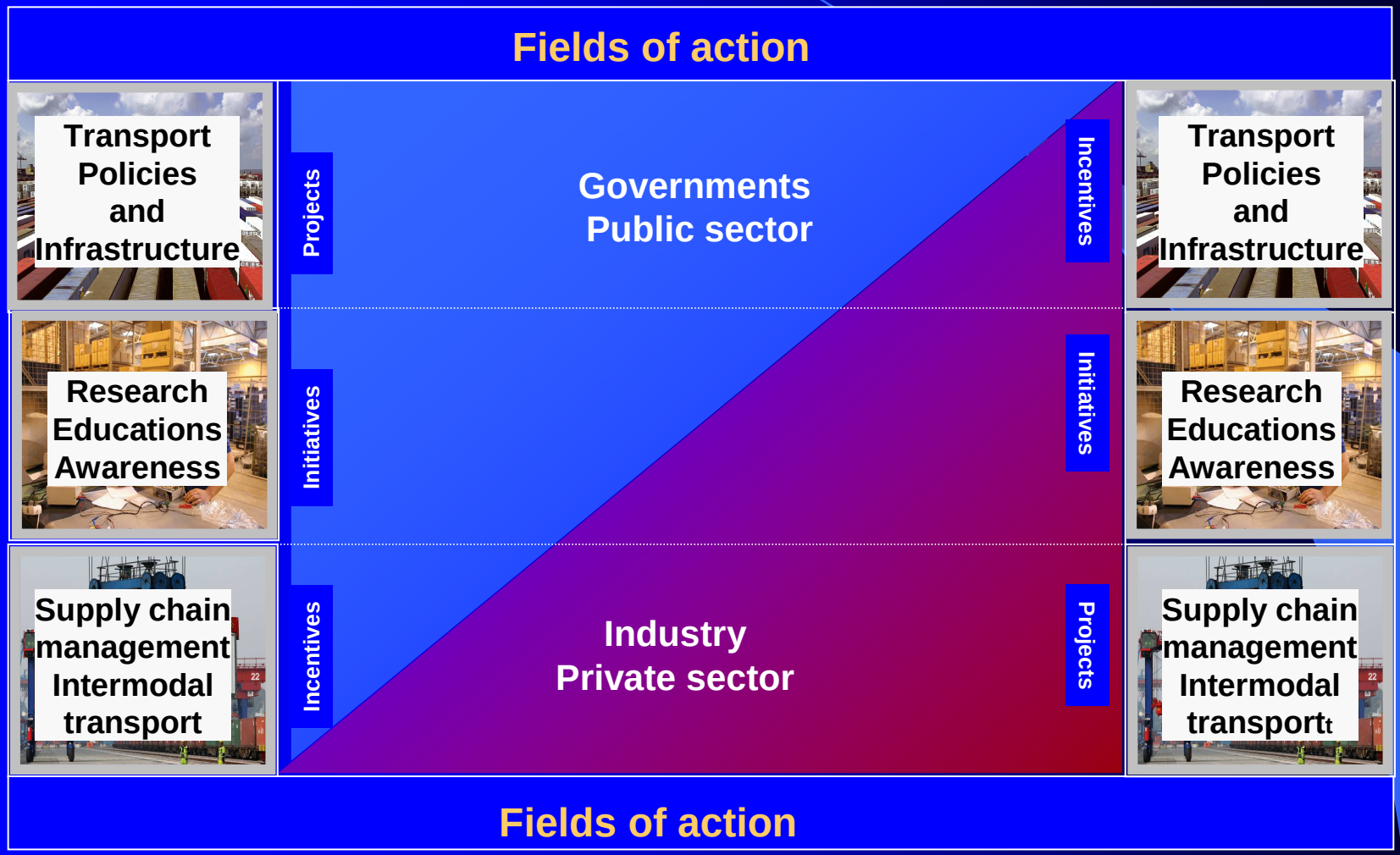
- **Primarily a business activity**
  - Supply chain management
  - Organization of freight transport
  - Planning and operation of intermodal transport
  - Construction and operation of terminals (distribution)
- **Governments play a complementary role**
  - Transport policies

    (level playing field among actors and modes, safety, land use, sustainability, security, etc.)
  - Transport infrastructure

    (networks, terminals, etc.)
  - Research, education and awareness

    (ITS, professional training, public perception, etc.)

Role of Governments in freight and intermodal transport



Source: Adapted from German Masterplan

Role of Governments in the design and management of intermodal transport

- **Activities at national level**
  - Masterplans on freight transport and logistics
  - Logistics plans, network design, strategic land-use planning
- **Activities at sub-regional level**
  - Freight Logistics Action Plan (European Commission)

    (e-freight, ITS, training, benchmarking/best practices, documentation, liability, dimensions, green and urban transport corridors)
- **Activities at UNECE level**
  - International policy and regulatory measures
  - International transport infrastructure and performance
  - Exchange of policy information and best practices

Role of UNECE in the design and management of intermodal transport

- **International policy and regulatory measures**
  - Monitoring and analysis of national measures to promote intermodal transport
    - Survey of Government policies
    - Policy check-list or tool-box (pros and cons)
  - Logistics “Model” Action Plans and Partnership Agreements
    - Review of existing “models”
    - Insertion of logistical requirements and benchmarks
    - Insertion into AGTC and its Protocol on IWT
  - Civil liability regime for pan-European intermodal transport
    - Analysis of UNCITRAL convention
    - Review of alternative solutions (focus: European land transport)
  - Logistics indicators and statistics
    - Review of public and private intermodal transport statistics
    - Contributions to development of logistics indicators

Role of UNECE in the design and management of intermodal transport

- **International transport infrastructure and performance measures**
  - **Review of existing AGTC infrastructure and performance standards**
    - Identification of interoperability standards and benchmarks
    - Revision and/or addition of minimum standards into AGTC
  - **Optimization of transshipment and logistical procedures**
    - Procedures for optimum location (land-use planning)
    - Criteria for efficient construction and operation procedures
    - Adequate PPP procedures (best practices) ?
  - **Improvements in port hinterland transport**
    - Identification of capacity challenges (DIOMIS, etc,)
    - Insertion of minimum infrastructure and performance standards into AGTC, AGC and AGR Agreements

Role of UNECE in the design and management of intermodal transport

- **Exchange of information and best practices**
  (research, education, awareness-raising)
  - Concepts, design, weights and dimensions of intermodal loading (transport) units
    - Monitoring by UNECE secretariat
  - Experiences in preparation and implementation of national logistics action or master plans
    - Exchange of best practices
  - Intelligent transport systems (ITS)
    - Monitoring of such systems by secretariat
    - Preparation of compendium of such services

Procedure:
Adoption of a new work programme

- **Review of expert group proposals**
  (March 2009 – WP.24)
- **Adoption of new work programme proposals**
  (October 2009 – WP.24)
- **Approval of revised work programme**
  (February 2010 – Inland Transport Committee)

WP.24 and ECMT documentation "Logistics and intermodal transport"

Official documentation:

2008: ECE/TRANS/WP.24/2008/4 and Informal Docs. 5 and 6 (2008)
ECE/TRANS/WP.24/2008/1
2007: ECE/TRANS/WP.24/2007/3
2004: CEMT/CS/TIL(2004)9
2003: CEMT/CS/COMB(2003)4
1994: TRANS/WP.24/R.64
1993: TRANS/WP24/R.53

Recent reports of WP.24:

ECE/TRANS/WP.24/119
ECE/TRANS/WP.24/117
ECE/TRANS/WP.24/115

…

and informal notes and documents by UNECE and ECMT

www.unece.org/trans/wp24