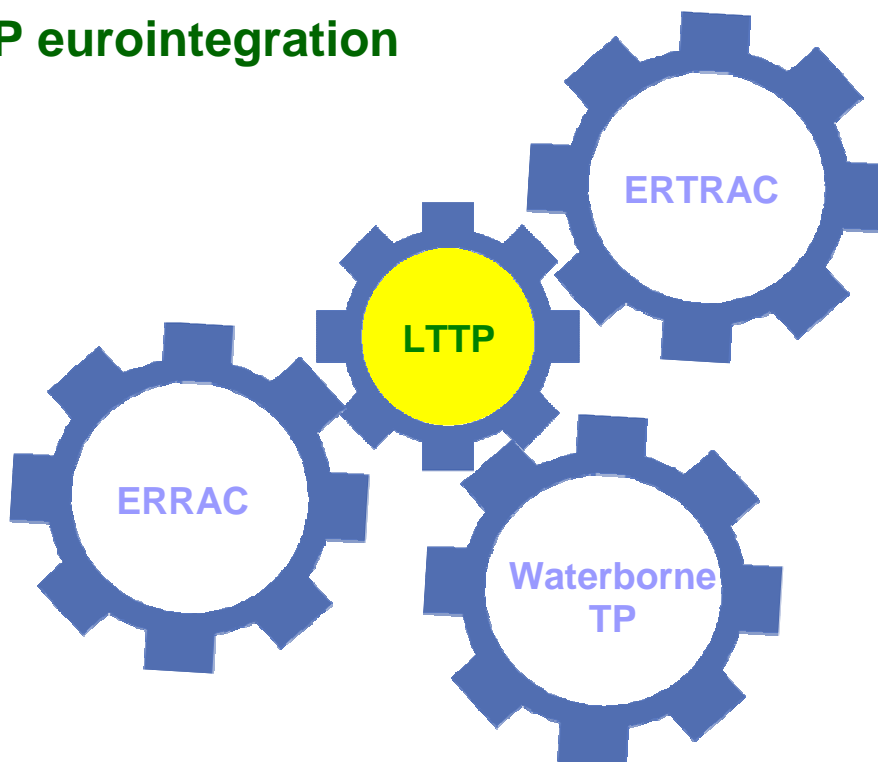


Lithuanian Transport Technology Platform - Vision

LTTP eurointegration



2007

East West TC

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Title: Lithuanian Transport Technology Platform - Vision

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MAIN IDEAS of the Technology Platform (TP) FRAMEWORK programme:

- Assistance in reaching strategic objectives of the EU
- Integrated programmes related to the EU strategic objectives
- Horizontal relations of TP
- Programmes should involve several or even more TP programmes.

DANGERS of the FRAMEWORK programme:

- A large number of TP (currently 30 have been legalised and 9 are to be legalised)
- Overlap and duplication of TP programmes

Scientific tasks in the 7th joint programme will be pursued in the following ways:

- Establishment of the European Competence Centres based on co-operation of laboratories (measures: competence networks, integrated projects)
- Liberation (islaisvinimas) of the European technology initiatives (measures: **technology platforms**)
- Promotion of research by means of competition at the European level ("European Research Council")
- Development of more attractive Europe
- Establishment of research infrastructure designed for the European interests (ESFRI Forum)
- Strengthening of co-ordination of the national research programmes (ERA-NET)

Purpose of technology platforms:

- To mobilise all industrial and academic capacities of the EU.
- To maintain sustainable distribution and development of the industrial and research potential in the EU.

Planned technology platforms:

- International
- National

Interoperability of national and international TP

Polish technology platforms (September, 2005):

- PTP **Construction**
- PTP **Aerospace**
- PTP **Textile industry**
- PTP **Sustainable Chemistry**
- PTP **Hydrogen**
- PTP **Forest and wood industry**
- PTP **Railway transport**
- PTP **Food**
- PTP **Waterborne**
- PTP **Biotechnology**

Legalised EU TP in the sphere of inland and waterborne transport:

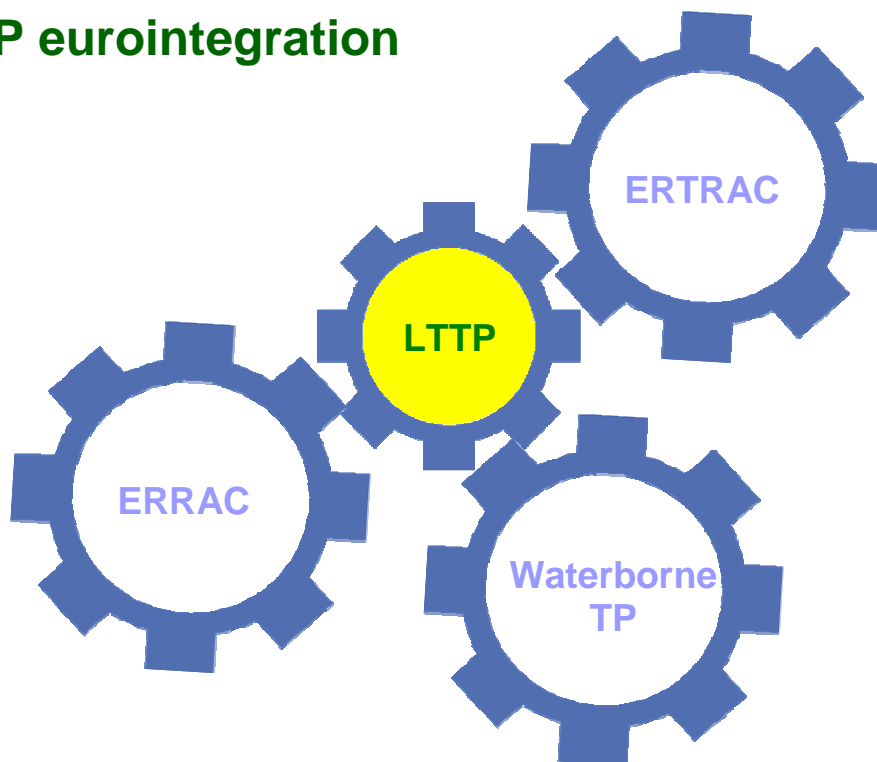
- European Road Transport Research Advisory Council (ERTRAC) (2003)
- European Rail Research Advisory Council (ERRAC) (2001)
- Waterborne TP (2005)

Lithuanian transport technology platform (intermodal transport) (LTTP) includes:

- Road transport
- Railway transport
- Waterborne transport

(Technologies of air transport and aeronautics will be developed in the separately established national aeronautics platform.)

LTTP eurointegration



Definition of LTTP

The Lithuanian transport (intermodal transport) technology platform (LTTP) should:

- operate as a platform of specialists (researchers and entrepreneurs) in the sphere of road, railway, waterborne and intermodal transport and logistics by co-operating with the analogous EU platforms and providing research, training, qualification upgrading and conference organisation services.
- apply progressive research methods.
- execute modelling of possible scenarios.
- accumulate and meaningfully use transport databases both in Lithuania and internationally.
- closely co-operate with the analogous TP of other countries and integrate into their market.

Main goals of LTTP:

- Better competence via competition
- Co-ordination of competition with co-operation
- Highlight of minor resources:
 - *A lot of potential counterparts are not identified,*
 - *Not utilised resources.*
- Sustainability of national programmes and policies supporting national competence and local priorities

Procedure of LTTP establishment:

- Currently platform initiation stage is under way.

- Elimination of contradicting situations:
 - *Insufficient use of capacities*
 - *Inefficient use of competence and other resources*
- Assurance of accessibility and transparency of processes

Opportunities provided by LTTP:

- Strategic clusters
- Emphasis on small enterprises (visibility)
- Possibility for large enterprises to find small enterprises of adequate qualification and capacity.
- Opportunity for small enterprises to become useful.
- Establishment of support mechanism

Assurance of LTTP establishment publicity:

- In Lithuania a publicity strategy can be implemented via transport publications by agreements with the periodicals "Kelias" ("Road"), "Transporto pasaulis" (The World of Transport"), the international scientific journal "Transport", and major dailies of the country.

- Principles for establishment of the platform until 1 December 2006 shall be discussed and co-ordinated with:
 - VGTU
 - Other universities (Kaunas Technology, Klaipėda) ?
 - Ministry of Transport and Communications?

- Ministry of Economy of the Republic of Lithuania?
- The Lithuanian National Road Carriers' Association LINAVA?
- The Lithuanian National Freight Forwarders' Association LINEKA
- The Lithuanian Confederation of Industrialists?
- JSC Lithuanian Railways?
- Association of Lithuanian stevedoring Companies?
- Klaipėda State Seaport?

Kaunas City Municipality
Vilnius City Municipality?

Immediate actions:

- Selection of candidates to the provisional composition of council
- Elaboration of documents of LTTP activity
- Establishment of LTTP structure
- Agreement on draft list of thematic groups and selection of candidate heads of thematic groups
- *Most probably we should start from the bottom?*

Provisional composition of the LTTP Council:

- Representatives of VGTU, KU?
- Representative of the Ministry of Economy?
- Representative of the Ministry of Transport and Communications?

- Representative of LINAVA?
- Representatives of the Confederation of Industrialists?
- Representative of LINEKA?
- Representative of railways?
- Representative of the JSC Lithuanian Railways?
- Representative of Kaunas City?..

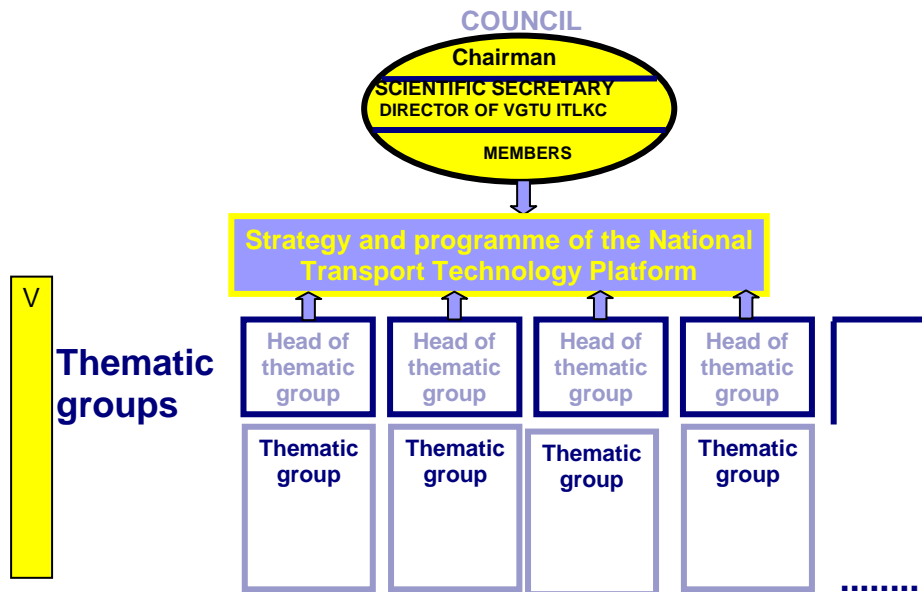
Functions of LTTP Council (1):

- Formation of LTTP structure, approval of thematic project execution groups and their heads.
- Elaboration and justification of LTTP strategy and programme and their submission to the Government of the Republic of Lithuania for approval
- Co-ordination of activity of VGTU ITLKC?
- Liaison and co-ordination of LTTP co-operation with the European Railways (ERRAC), road (ERTRAC) and waterborne (Waterborne TP) technology platforms

Functions of LTTP Council (2):

- Consideration of priorities of LTTP thematic groups and approval of main research trends and priorities
- Supervision of execution of LTTP projects
- Organisation of thematic conferences and other events, formation of the institute of independent reviewers for projects ordered by LTTP
- Approval of new members of LTTP Council and selection of the chairman of the Council

Provisional structure of LTTP



Why VGTU ITLKC?

VGTU Transport Research Institute (TRI) has considerable experience in implementing international projects in the sphere of intermodal transport and development of logistics (within the framework of FR 5, FR6, INTERREG IIIB programmes)

Information on TRI executed/ongoing international FRAMEWORK projects (titles in English):

- INTERMODA
- NAS-ITIP
- PROMIT
- MOTOS
- EUROFORUM

1. Integrated solutions for intermodal transport between the EU and CEEC-INTERMODA , FRAMEWORK 5, TMI- sub-contractor responsible for co-ordination and execution of activities in the Baltic states, 2001-2003.

Main tasks of INTERMODA and executed activities:

- Identification of main intermodal transport corridors between the EU and Central European countries
- Identification of the major intermodal transport flows in each corridor
- Highlighting the bottlenecks for the development of intermodal transport
- Elaboration and prioritising of transport policy measures in eliminating bottlenecks of intermodal transport

2. Innovative Technologies for Intermodal Transfer Points in Newly Associated States – NAS-ITIP, FRAMEWORK 5, TRI-project partner, responsible for elaboration of final conclusions and recommendations, 2003-2004

NAS-ITIP main objectives and executed activities:

- Analysis of usage of ordinary and innovative technologies in intermodal transport hubs in new EU Member States
- General analysis of possibilities for the development of intermodal transport in new EU Member States

- Elaboration of recommendations to the European Commission and governments of the countries on the development of intermodal transport

3. Promoting Innovative Intermodal Freight Transport – PROMIT, FRAMEWORK 6, TRI – sub-contractor, 2006-2009.

PROMIT main objectives and tasks:

- Analyse the experience of intermodal transport in developing East-West direction transport corridors.
- Elaborate on recommendations and submit to commercial structures on improvement of quality of services provided by intermodal transport.
- Elaborate on recommendations for the strategy of intermodal logistics.
- Establish active intermodal logistics information and co-ordination platform

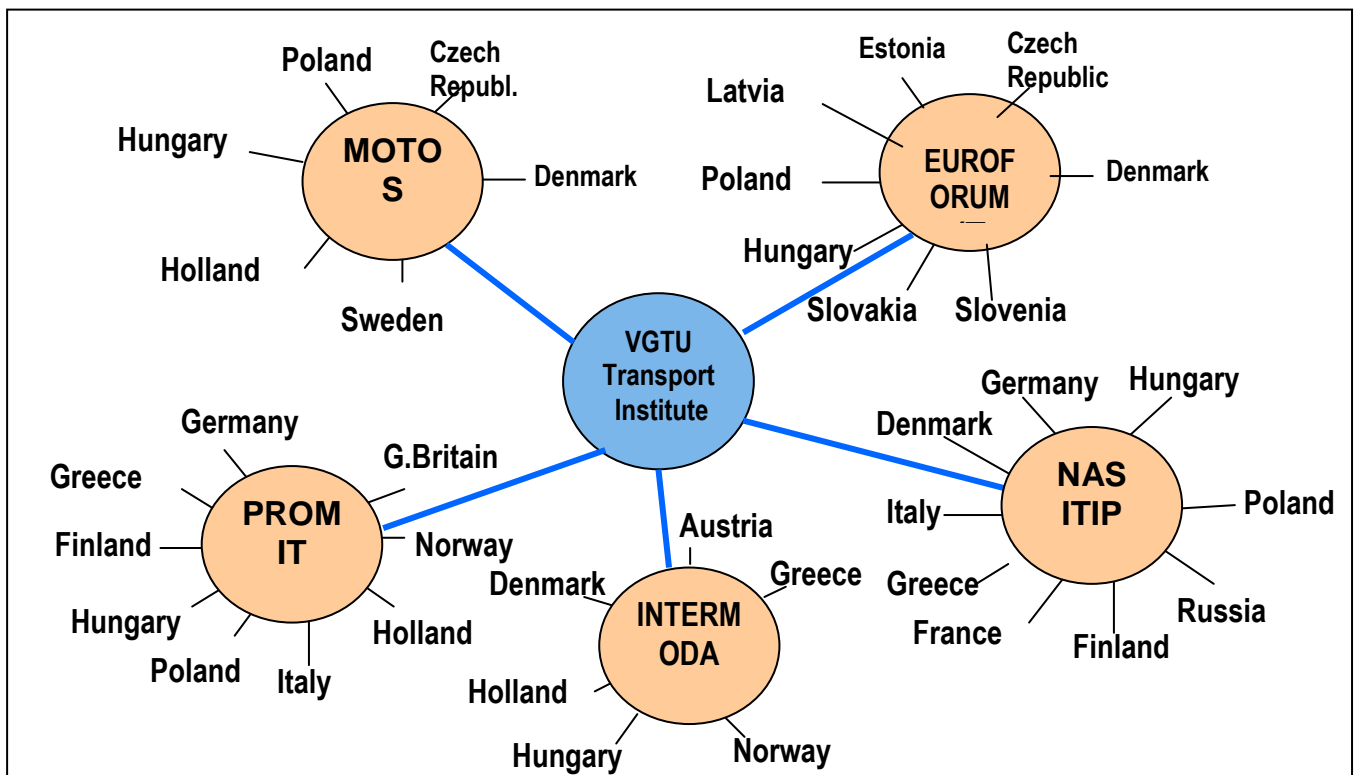
4. Transport Modelling: Towards Operational Standards in Europe – MOTOS ,FRAMEWORK 6, TRI – partner, 2006.

The main objectives of this project are to analyse best practices in applying national and regional transport modelling principles, and to assist in establishing a standardised approach towards transport modelling at the EU level.

5. EUROFORUM, FRAMEWORK 6, TRI – participates as a member of T-NEG transport network (T-NEG network secretariat in Dresden’s Technical University).

Its main objectives are to identify priority areas of urban transport development research, and innovative strategies for the development of urban transport by focusing on innovative intermodality development solutions.

TRI partnership ties in the FRAMEWORK projects

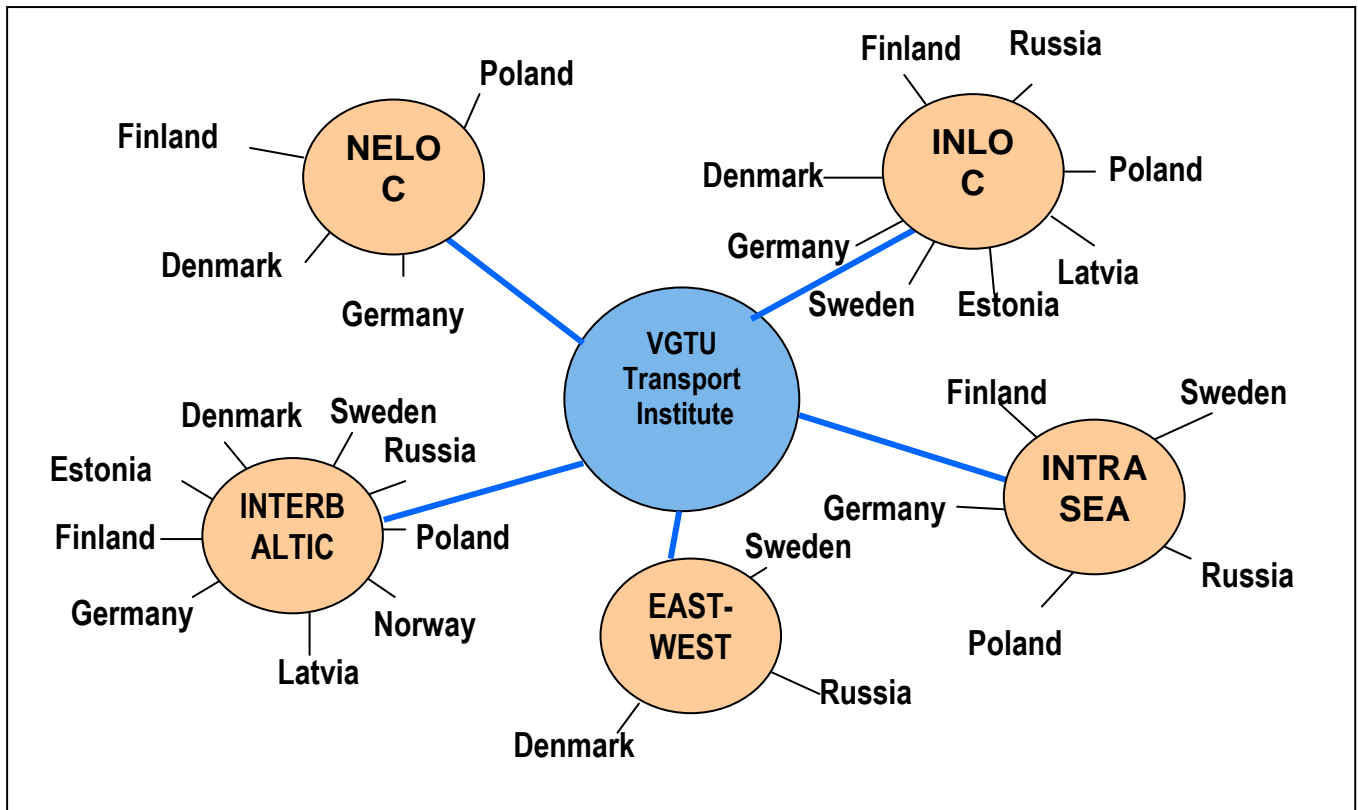


VGTU TRI is also a participant, or has been in the past, in projects of INTERREG IIIB Programme, related to the development of INTERMODAL transport, the most important of which are:

- EAST – WEST Transnational Transport Corridor in the South Baltic Sea Region, BSR INTERREG IIIB programme, TRI- partner, WP 5 leader, 2006-2007.

- Integrating Logistics Centre Networks in the Baltic Sea Region- InLoC , BSR INTERREG IIIB programme, TRI- partner, 2004- 2006.
- Networking Logistics Centres in the Baltic Sea Region- BSR INTERREG IIIB programme, TRI- partner, 2002-2003.

Experience of TRI staff and partnership relations in INTERREG III B projects



It should be noted that recommendations of certain FR projects have actually been specified, developed and implemented in INTERREG III B projects by adapting them to conditions of a specific area. This was the case with NAS-ITIP and InloC in terms of development of logistics centres and intermodal transport.

Main tasks of the Competence Centre of Intermodal Transport and Logistics at VGTU as an umbrella (main executive) institution:

- Perform scientific research in the sphere of transport and logistic technologies development.
- Support co-operation between the interested actors of transport sector (transport, logistic companies and municipalities).
- Disseminate information on transport and logistic technologies development

trends, as well as innovation and best practices in European Union countries.

- Assist in the development of operational co-operation between intermodal transport hubs and logistics centres both at national and international level.
- Assist in implementing innovations and most effective transport solutions.
- Organise round table discussions, seminars and conferences.
- Take an active part in the establishment of the effective common intermodal transport network in the Baltic Sea region.
- Develop co-operation of research institutions, counselling and business companies in developing transport technologies in Lithuania.
- Support efforts of cities and regions in establishing intermodal transport, public logistics centres and developing their network in Lithuania.

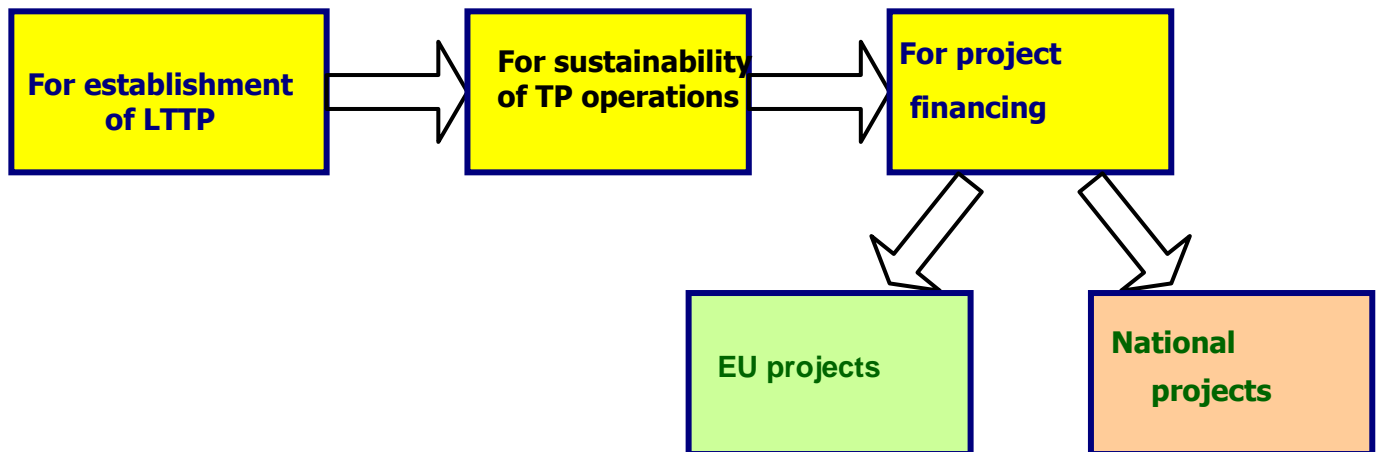
- Provide counselling services on transport and logistics.
- Represent Lithuania's transport sector interests both in the analogous Baltic Sea region organisations, and at the European level.

Thematic groups and their heads:

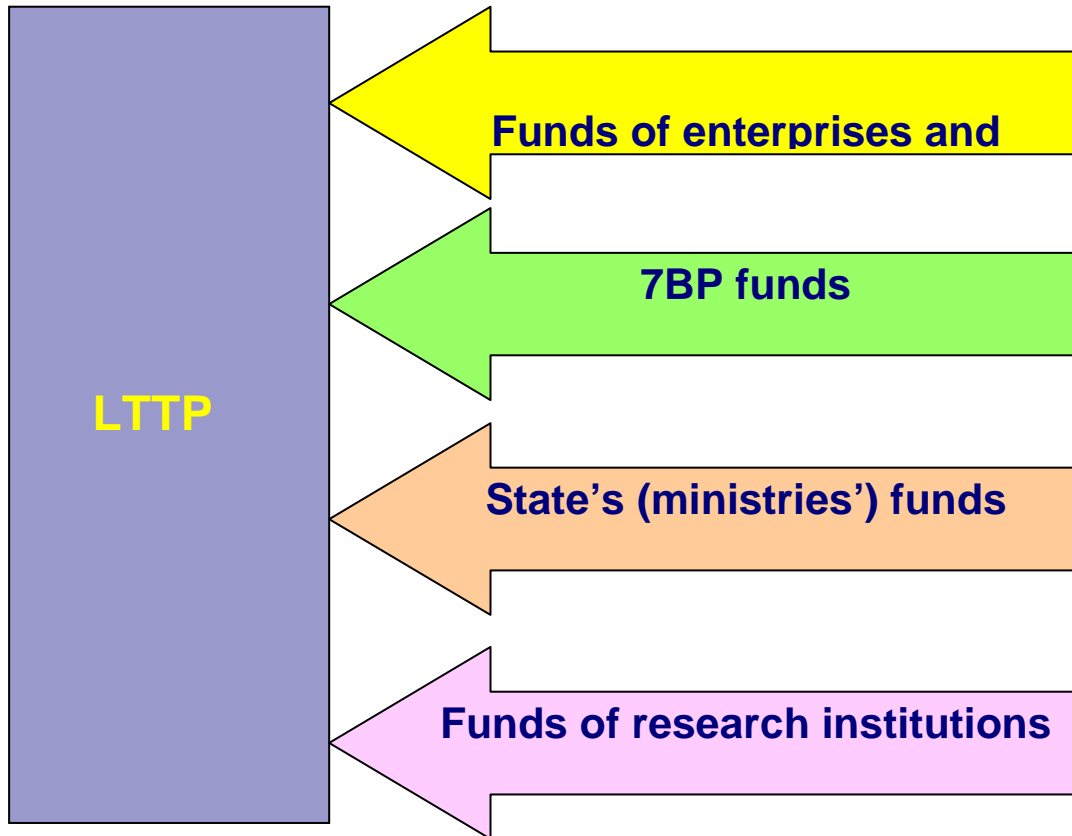
- Road transport?
- Road design and construction ?
- Railway transport?

- Marine and inland water transport?
- Intermodal solutions?
- Stevedoring technologies?
- Logistics?
- Warehousing technologies?
- Security assurance?
- Human factor in transport?
- Training of transport specialists and upgrading of their qualification skill ?
- Information technologies in transport?
- Assessment of transport environmental impact?

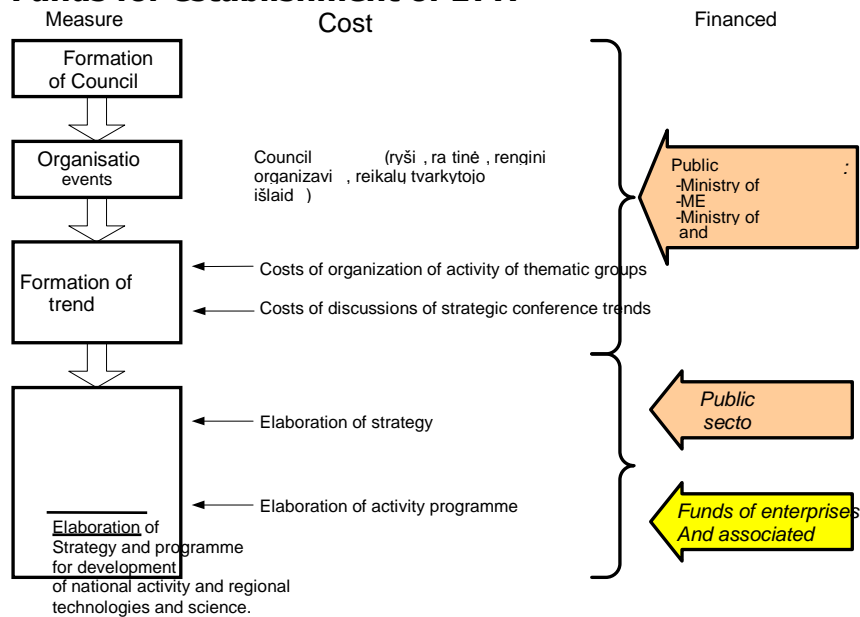
Stages of funds allocation



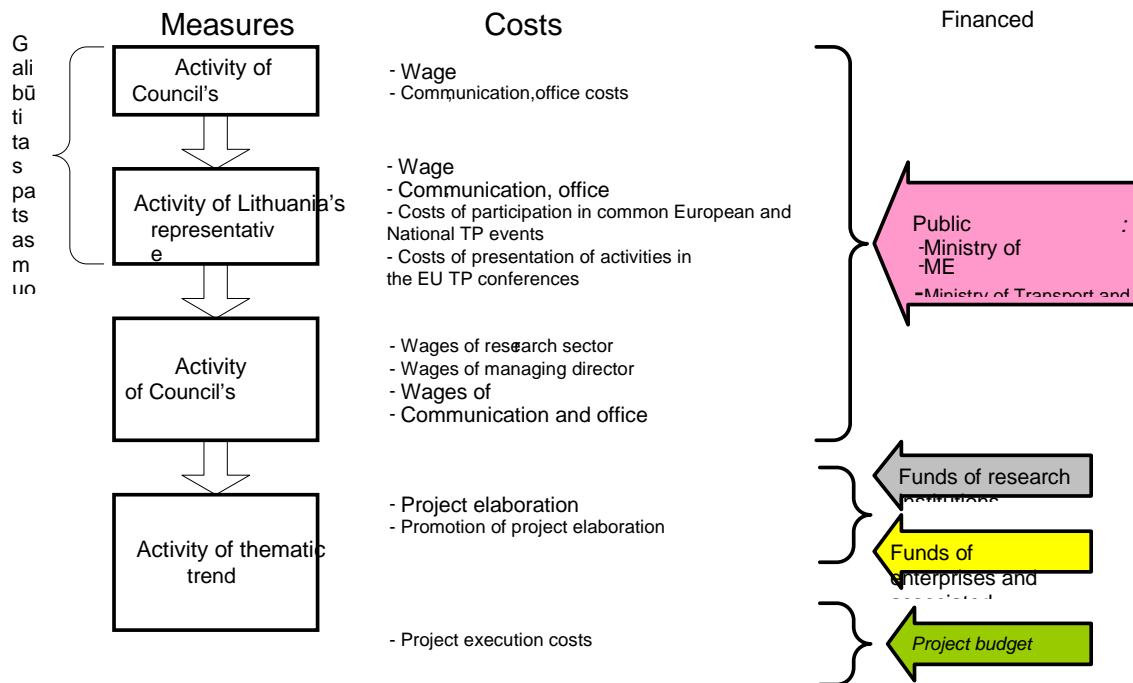
Sources of funds



Funds for establishment of LTTP



Funds for maintenance of LTTP



Required funds (first year of activity)

	Funds, (thousands LTL)
Establishment of LNTTP as a legal person	10
Administration of LNTTP (chairman, research secretary-manager, accountant)	120
Council activity and meeting arrangement costs	30
Publicity of LNTTP activity:	
<input type="checkbox"/> Conference in Lithuania	5
<input type="checkbox"/> Agreement with public and academic press	10
<input type="checkbox"/> Establishment and maintenance of Internet Network	5
Presentation of LNTTP to the EU platforms ERTRAC, ERRAC and Waterborne TP and co-ordination of activity with other TP	15
Elaboration of LNTTP programme	50
Internships	20
Contingences (5 %)	30

Open questions

- Who will legalise PLATFORM?
- Status of LNTP:
 - Inter-institutional public agency
 - Founders:
 - Ministry of Economy?
 - Ministry of Education and Science?
 - Ministry of Transport and Communications?
 - Vilnius Gediminas Technical University?
- WHO WILL APPROVE STRATEGY?
- WHO WILL APPROVE PROGRAMME?



Partners of East West TC

AAK	Municipality of Baltijsk
Aerotech Telub	Municipality of Karlshamn
Baltic State Fishing Fleet Academy	Municipality of Karlskrona
Blekinge Institute of Technology	Municipality of Klaipeda
Coordinating Council on Transsiberian Transportation	Municipality of Sölvesborgs
County Administrative Board of Blekinge	Municipality of Ronneby
DFDS Tor Line	Port of Esbjerg
DFDS Lisco	Port of Karlshamn
EC Gruppen	Railion
Esbjerg Business Center	Railog
IKEA Sweden	Region Blekinge
ITS Sweden	Region Skåne
Kaliningrad Branch of North West Academy	Region Sealand
Kaliningrad Oblast	SC Lithuanian Rail Administration
Kaliningrad State University	South West Business Development
Karlshamns Expressbyrå	Swedish National Maritime Administration
Klaipeda County Coordination	Swedish National Rail Administration
Klaipeda County Governors Administration	Swedish Road Administration Skåne
Klaipeda State Seaport Authority	Swedish Road Administration South East
Klaipeda University	University of Southern Denmark
Klaipedos Smelte	Vilnius Gediminas Technical University
Lithuanian Road Administration	Vinnova