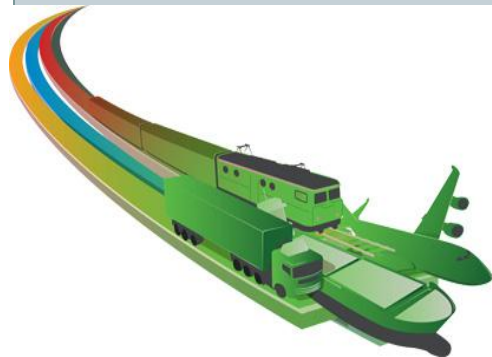


# Lithuanian intermodal transport technology platform as an innovative instrument for cluster cooperation



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VGTU Competence Center of Intermodal Transport  
& Logistics

04.28.2011  
Opatija, Croatia



# Basic information about Lithuanian transport system



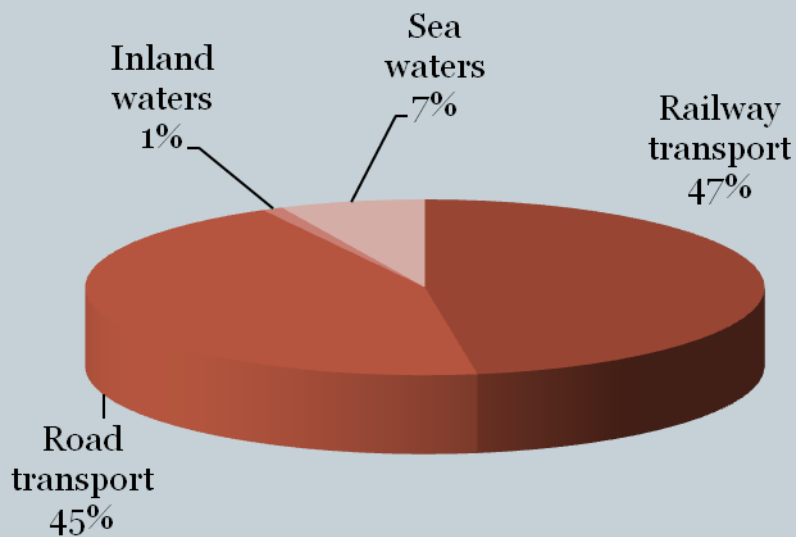
- In 2010 the transport sector contained 12,5 % of GNP (generating 2,25 bln. EUR).
- Comparing with 2009, the growth of transport sector previous year reached 17,8 % and it was the highest growth among the other industry sectors.
- During 2010 the amounts of cargo increased by 7,3 % while passengers transport decreased by 3,1%.
- The transport sector comprises 56,8% of the export services of Lithuania.



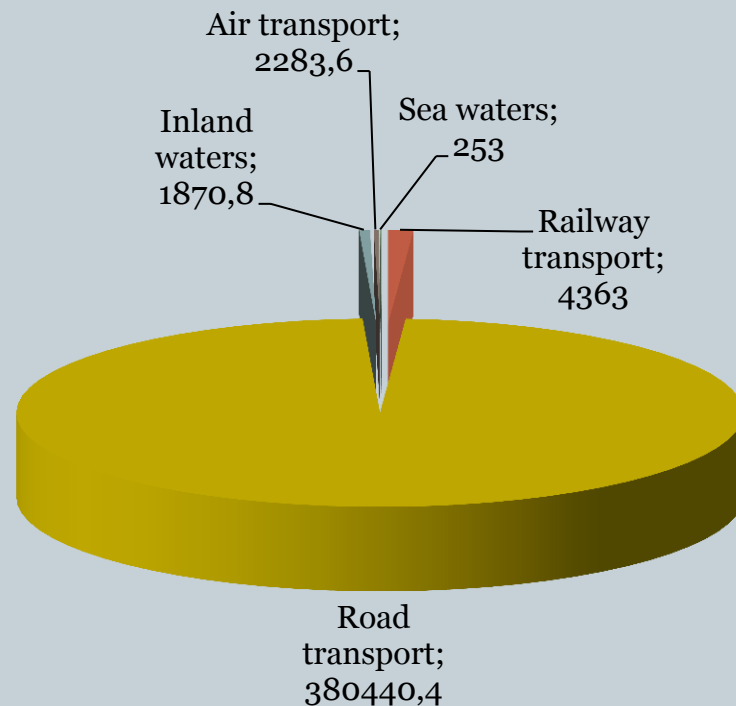
Transport connections crossing Lithuania

# Modal split in freight and passenger transport, 2010

## Modal split in freight transport



## Modal split in passenger transport, (thousands )



# Small-medium sized (SME) enterprises in Transport & Logistics



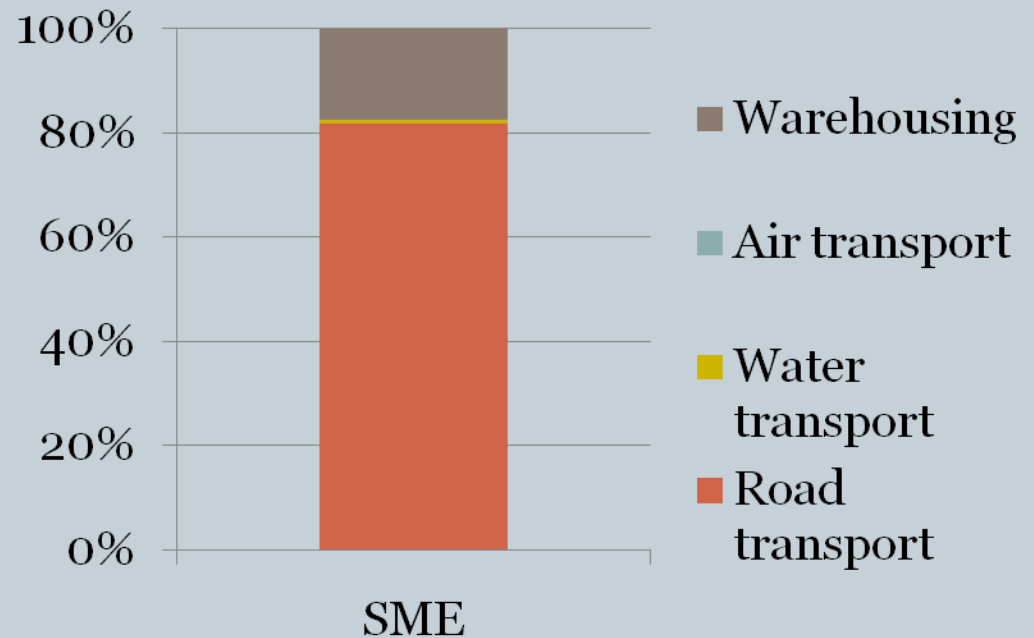
- There are around 5927 SME operating in the field of Transport & Logistics.
- The structure according transport sectors:

Road transport: 4851

Water transport: 32

Air transport: 8

Warehousing: 1036



# Lithuanian Intermodal Transport Technology Platform: Brief history and background



- Due to the globalization, a competitiveness of national economy of states significantly more depends on the integration and effective use of transport system.
- Competing abilities of a single mode of transport in Lithuania or a single transport company are limited. Most probable, a response to the challenges of the globalization should be searched in closer and more effective co-operation of various types of transport structures.
- The problems of increasing competition matured the idea to develop a structure of co-operation of a new type where representatives of various transport sectors should more actively and effectively improve the national transport system.
- Lithuanian Intermodal Transport Technology Platform (LITTP) is established in 2007 as a platform for “triangle” cooperation between **business, academic structures** and **political institutions**.

# The Structure of the LITTP



- **BUSSINESS. Different Transport business sectors and SMEs are represented by:**

- ✓ Lithuanian National Carriers Association (LINAVA)
- ✓ Lithuanian National Forwarders Association (LINEKA)
- ✓ Non-associated transport and logistics companies
- ✓ Lithuanian Railways
- ✓ Association of Lithuanian stevedoring companies

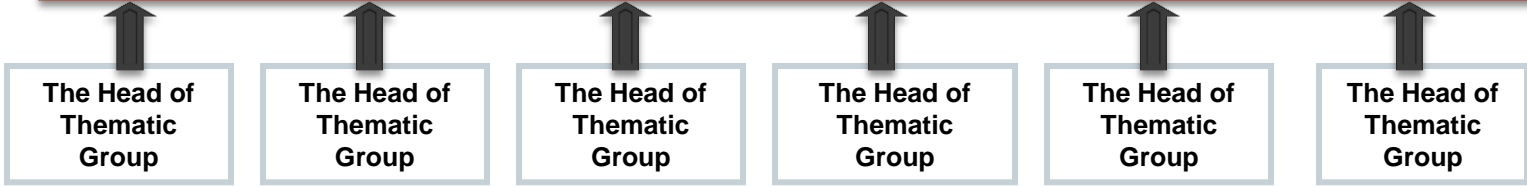
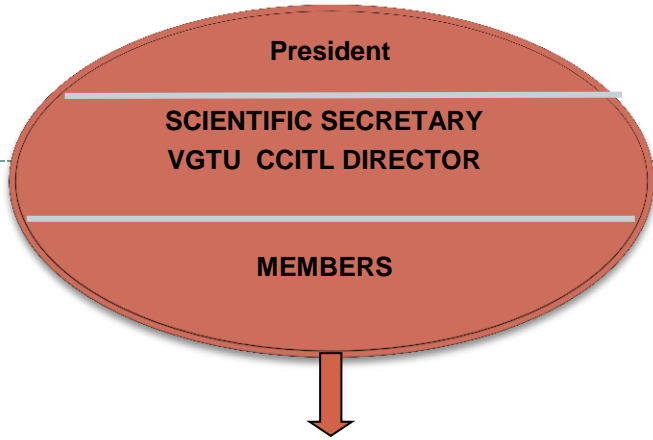
**Currently nearly 1040 Lithuanian carriers-transport companies are represented at the LITTP.**

- **GOVERNMENT. The Public sector institutions are represented by:**

- ✓ Ministry of Transport and Communication Ministry of Foreign Affairs
- ✓ Municipalities of the main Lithuanian cities (Vilnius, Kaunas, Klaipėda, Panevėžys, Šiauliai)

- **ACADEMIA. The Research sector is represented by:**

- ✓ Competence Center of Intermodal Transport & Logistics of Vilnius Gediminas Technical University (Lead partner of LITTP)
- ✓ Klaipėda University (KU)
- ✓ Kaunas Technology University (KTU)
- ✓ Center for Strategic Studies;
- ✓ Kauno Nova



Thematic groups



# Main tasks and functions of the LITTP



- to support the co-operation and promote a **common dialogue** among the interested companies of transport (transport, logistics companies, including SMEs) and government as well as research institutions;
- to actively participate in Lithuanian **transport policy making**, prepare the positions, key concepts, non- papers regarding transport development on national, regional and European Union levels;
- to disseminate information related to EU **Framework projects**, results of the researches, innovative solutions that can be exploited by business companies;
- to spread the information about the trends of the **intermodal transport and logistics technologies** , as well as the best practices in EU countries;
- to support efforts of the cities and the regional administrations in establishing **public logistics centers (freight villages)** and developing their networks in Lithuania.

# VGTU CCITL as administrative partner



## **Functions and responsibilities:**

- to organize round table discussions, seminars and conferences on the transport development issues within the LITTP;
- to execute scientific and applied researches within EU Framework programme and regional initiatives;
- to maintain the direct contacts with SMEs, to disseminate the relevant information.;
- to assist SMEs in applying for and carrying out the EU Framework projects within transport field;
- to establish contacts with the partners from academic, business, public institutions both on national and international levels.



The LITTP Forum at Šiauliai, the fourth largest Lithuanian city, 2010 November.

**EC Framework projects:**

- RAILSERV
- INTERMODA
- NAS-ITIP
- BESTUFS
- PROMIT
- MOTOS
- BE LOGIC
- B2B LOCO
- BESTFACT
- eMAR

**INTERREG IIIB projects:**

- NeLoC
- InLoC
- East-West Transport Corridor (EWTC)
- InterBaltic
- TransBaltic
- EWTC II
- Baltic Transport Outlook
- Railbatica

**Activities of  
VGTU CCITL**

**Lithuanian Transport  
Technology Platform**

**The East-West Transport Corridor  
Association  
(established in 2011, 29th of June)**

**National & International  
programmes and projects**

# LITTP: dissemination potential (I)

## LITTP website visits, 2010 June – 2011 March

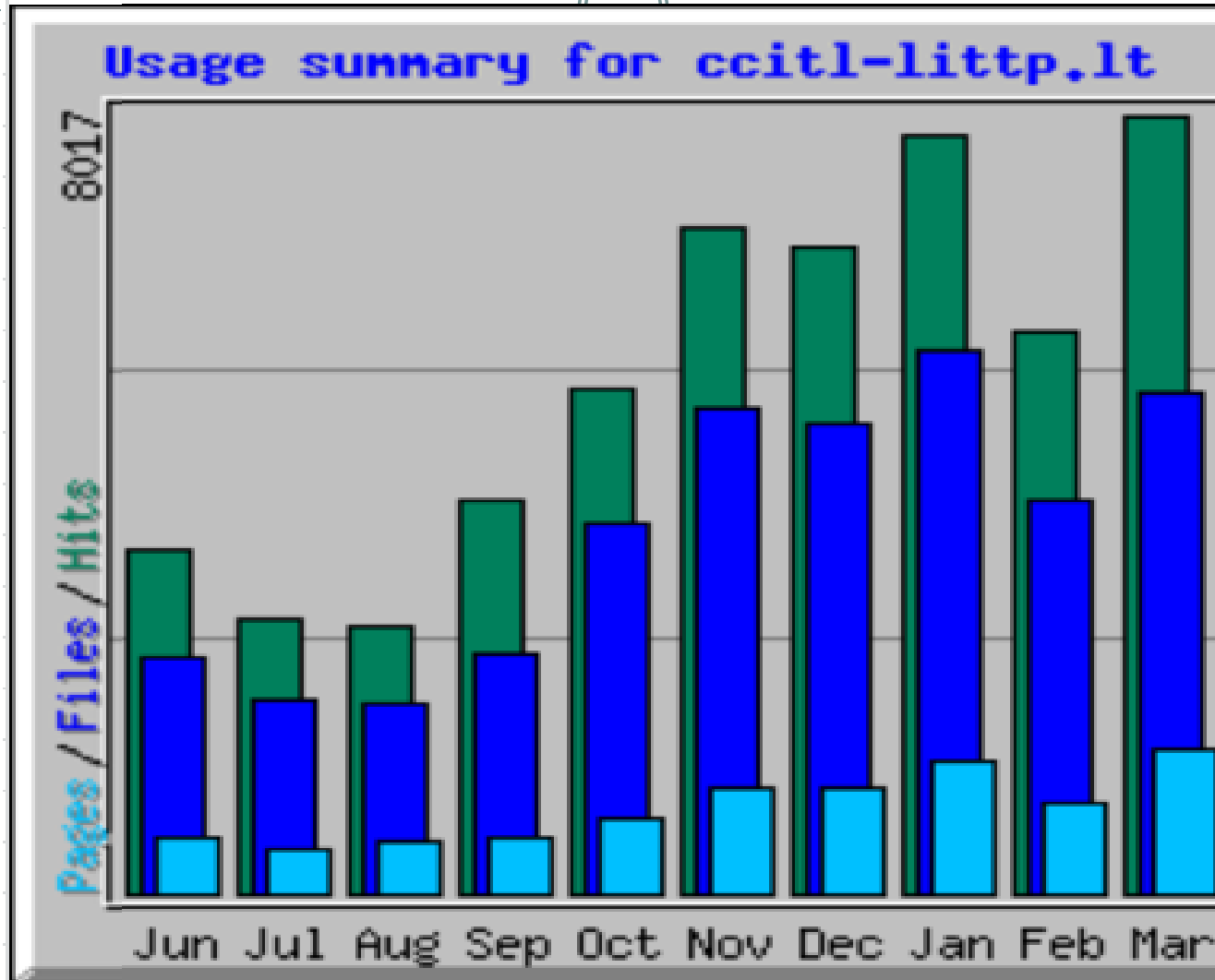


### Summary by Month

Month	Daily Avg				Monthly Totals					
	Hits	Files	Pages	Visits	Sites	KBytes	Visits	Pages	Files	Hits
<a href="#">Mar 2011</a>	258	166	47	14	257	41449	451	1465	5158	8017
<a href="#">Feb 2011</a>	207	144	32	17	225	30384	481	913	4057	5799
<a href="#">Jan 2011</a>	251	180	44	17	313	43256	548	1376	5605	7804
<a href="#">Dec 2010</a>	214	156	34	13	247	39133	432	1077	4845	6661
<a href="#">Nov 2010</a>	228	167	36	13	417	32795	412	1083	5015	6851
<a href="#">Oct 2010</a>	168	122	24	11	367	24636	358	771	3792	5208
<a href="#">Sep 2010</a>	134	82	19	10	194	18835	320	585	2480	4033
<a href="#">Aug 2010</a>	89	62	17	10	117	16308	310	543	1947	2760
<a href="#">Jul 2010</a>	91	64	15	8	114	18033	272	473	1985	2840
<a href="#">Jun 2010</a>	117	80	19	10	118	19979	319	573	2428	3523
<b>Totals</b>						<b>337787</b>	<b>4653</b>	<b>10408</b>	<b>44717</b>	<b>64724</b>

# LITTP: dissemination potential (II)

## LITTP website visits, 2010 June – 2011 March



# LITTP: dissemination potential (III)

## LITTP website visits according to countries

Top 10 of 10 Total Countries							
#	Hits		Files		KBytes		Country
1	3437	72.43%	2118	68.17%	16671	70.07%	Unresolved/Unknown
2	1090	22.97%	823	26.49%	5683	23.89%	Lithuania
3	65	1.37%	47	1.51%	224	0.94%	Network
4	58	1.22%	45	1.45%	392	1.65%	US Commercial
5	20	0.42%	15	0.48%	196	0.82%	Belgium
6	20	0.42%	15	0.48%	196	0.82%	Estonia
7	18	0.38%	14	0.45%	43	0.18%	Denmark
8	18	0.38%	14	0.45%	43	0.18%	Japan
9	11	0.23%	9	0.29%	88	0.37%	Viet Nam
10	8	0.17%	7	0.23%	255	1.07%	Russian Federation

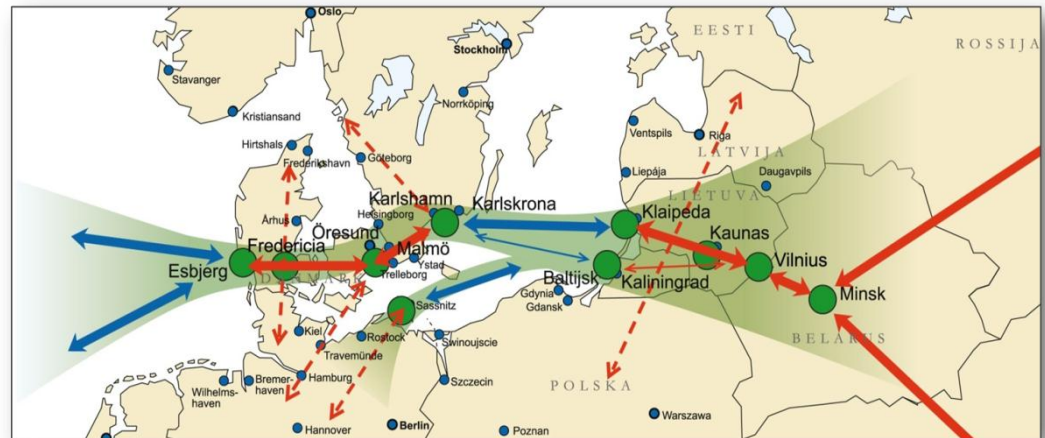
# LITTP: the results achieved (I): Initiatives in practice



- LITTP together with other partners elaborated the concept of **Shuttle train Viking**, which is a joint project of the railways of Lithuania, Belarus and Ukraine, port companies and Klaipėda, Odessa and Ilyichevsk ports. In 2009 the VIKING' initiative received intermodal transport 'best practices' award from European Intermodal Transport Association (EIA).
- The LITTP is an active promoter of the **East-West Transport Corridor** linking the Southern Baltic Sea Region with the Russian Federation and countries behind. EWTC aims to strengthen the transport development through infrastructure improvements, new solutions for business, logistics and co-operation between researchers.
- The LITTP generated the idea and initiated the establishment of the **East - West Transport Corridor Association** (in 2010, June) on a voluntary business interests basis, with a view to enable a long term cooperation between transportation, logistics companies, intermodal terminal operators, shippers and consignees, national, regional and domestic authorities, as well as science and research institutions along the corridor.



Figure 1. The VIKING route.



The Shuttle Train Viking

The East-West (Green) Transport Corridor from the Regional Perspective

# LITTP: the results achieved (II)

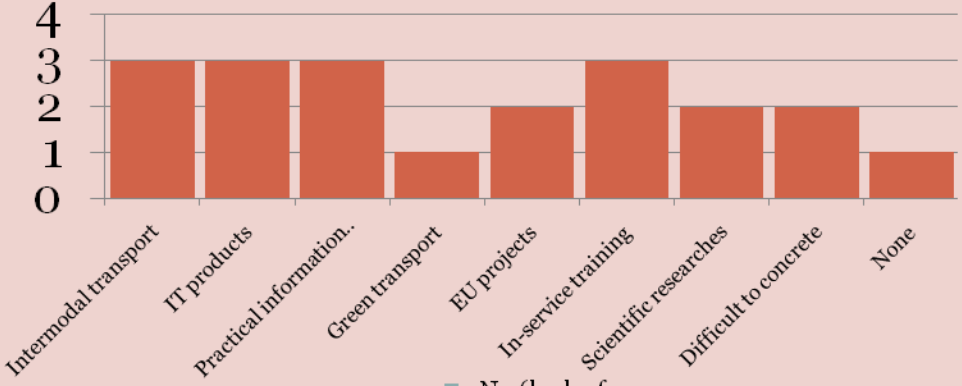
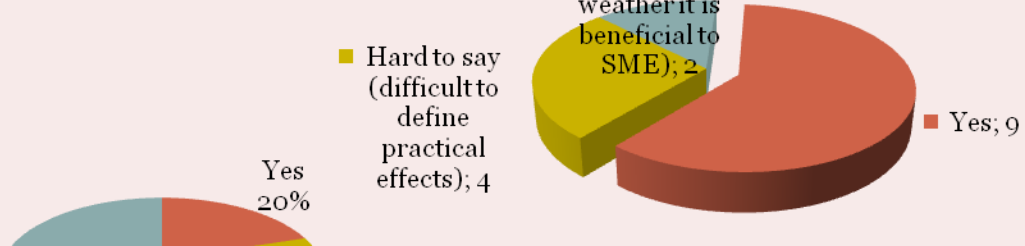
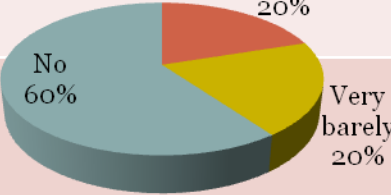
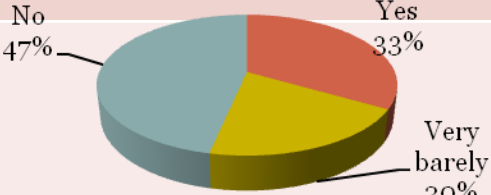
## LITTP as a an institutional cooperation example for other European countries

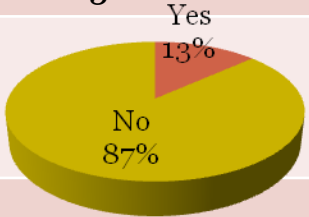
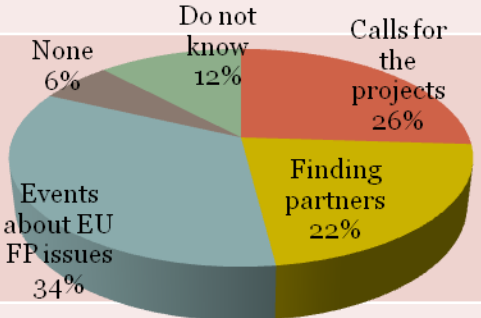
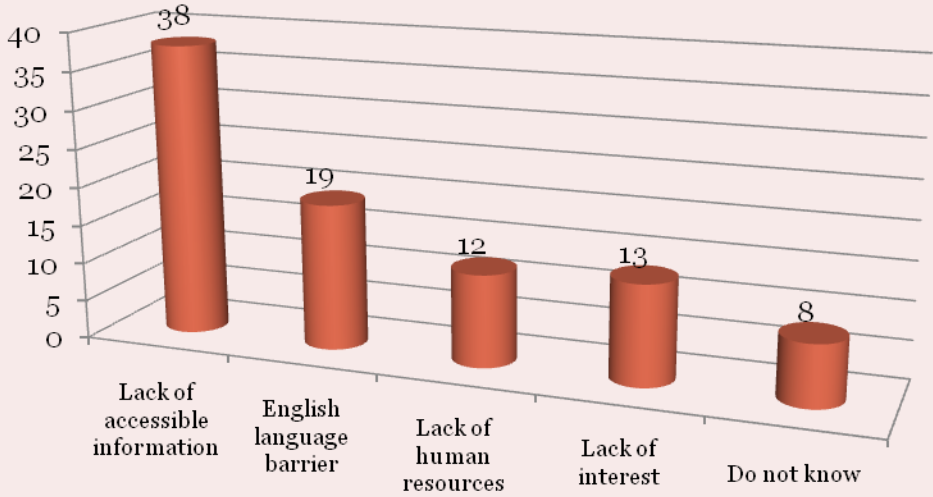
- European Commission recognized the LITTP (together with seven other analogic structures from Belgium, Germany, Netherlands, Romania, Finland, UK) as the structure that is mostly appropriate to the European intermodal transport policy.
- **Study visit of Turkish official delegation** (representatives of Turkish Railways and Ministry of Transport of Turkey), **arranged on 18-19th of October, 2010**, was aiming at introducing the participants to the concept, structure and functions of Lithuanian Intermodal Transport Technology Platform (based on TAIEX programme)
- During the discussions the participants from Turkey expressed the interest to establish an analogous to LITTP – the national coordinative body for cooperation of representatives of different transport modes.



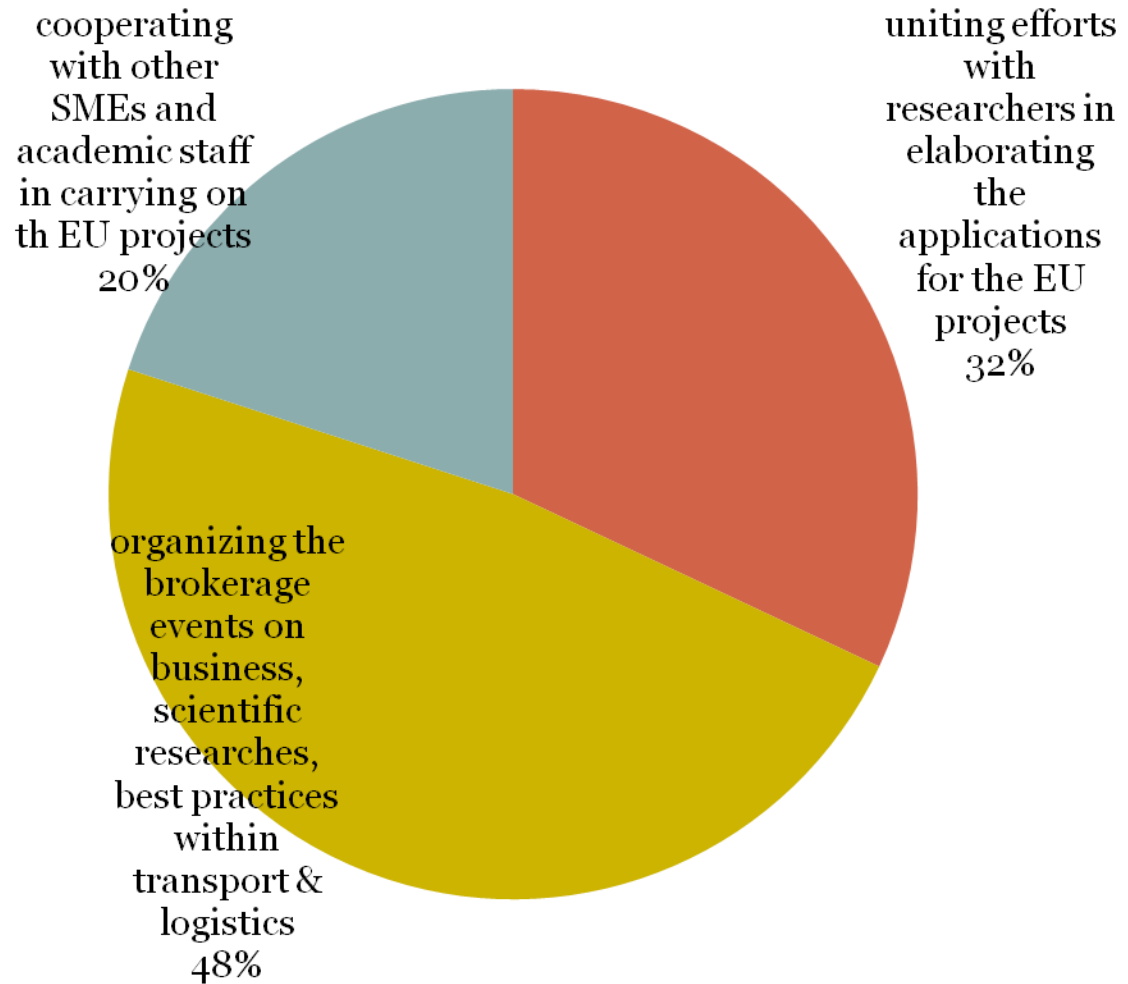
- Though it was admitted that Turkey in geographical and geopolitical terms is too diverse and complex to directly apply the Lithuanian practice in transport cooperation, on the other hand the experience of different transport modes to talk in one language seemed for the participants to be a great example Turkey could steadily follow.

# LITTP and SMEs

Questions	Answers (could be few variants on behalf of one SME)																				
<p>1. What would be your information need in cooperating with scientific structures and researchers?</p>	 <table border="1"> <caption>Information Needs for Cooperating with Scientific Structures and Researchers</caption> <thead> <tr> <th>Category</th> <th>Count</th> </tr> </thead> <tbody> <tr> <td>Intermodal transport</td> <td>3</td> </tr> <tr> <td>IT products</td> <td>3</td> </tr> <tr> <td>Practical information...</td> <td>3</td> </tr> <tr> <td>Green transport</td> <td>1</td> </tr> <tr> <td>EU projects</td> <td>2</td> </tr> <tr> <td>In-service training</td> <td>3</td> </tr> <tr> <td>Scientific researches</td> <td>2</td> </tr> <tr> <td>Difficult to concrete</td> <td>2</td> </tr> <tr> <td>None</td> <td>1</td> </tr> </tbody> </table>	Category	Count	Intermodal transport	3	IT products	3	Practical information...	3	Green transport	1	EU projects	2	In-service training	3	Scientific researches	2	Difficult to concrete	2	None	1
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Green transport	1																				
EU projects	2																				
In-service training	3																				
Scientific researches	2																				
Difficult to concrete	2																				
None	1																				
<p>2. Do you think that the involvement of your SME in the LITTP activity is beneficial?</p>	 <table border="1"> <caption>Beneficiality of LITTP Activity Involvement</caption> <thead> <tr> <th>Response</th> <th>Count</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>9</td> <td>20%</td> </tr> <tr> <td>Hard to say (difficult to define practical effects)</td> <td>4</td> <td>20%</td> </tr> <tr> <td>No (lack of information to decide whether it is beneficial to SME)</td> <td>2</td> <td>20%</td> </tr> </tbody> </table>	Response	Count	Percentage	Yes	9	20%	Hard to say (difficult to define practical effects)	4	20%	No (lack of information to decide whether it is beneficial to SME)	2	20%								
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<p>3. Are you familiarized with EU research and innovation policy issues ?</p>	 <table border="1"> <caption>Familiarity with EU Research and Innovation Policy Issues</caption> <thead> <tr> <th>Response</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>No</td> <td>60%</td> </tr> <tr> <td>Very barely</td> <td>20%</td> </tr> <tr> <td>Yes</td> <td>20%</td> </tr> </tbody> </table>	Response	Percentage	No	60%	Very barely	20%	Yes	20%												
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No	60%																				
Very barely	20%																				
Yes	20%																				
<p>4. Do you know what the EU Seventh Framework Programme is?</p>	 <table border="1"> <caption>Knowledge of the EU Seventh Framework Programme</caption> <thead> <tr> <th>Response</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>No</td> <td>47%</td> </tr> <tr> <td>Yes</td> <td>33%</td> </tr> <tr> <td>Very barely</td> <td>20%</td> </tr> <tr> <td>Other</td> <td>10%</td> </tr> </tbody> </table>	Response	Percentage	No	47%	Yes	33%	Very barely	20%	Other	10%										
Response	Percentage																				
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Yes	33%																				
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Other	10%																				

Questions	Answers (in the branches – the answers given; there could be few variants on behalf of one SME)												
5. Have you ever participated in any project within EU Framework Programme ?	a. Yes (concreted: funded by EU, within 2007-2013 Economic Growth Programme; FP 6 project “BESTUFS” )- 2 b. No – 13												
6. Have you ever exploited the results of the EU Framework Programme projects?	 <table border="1"> <caption>Exploitation of results</caption> <thead> <tr> <th>Response</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>13%</td> </tr> <tr> <td>No</td> <td>87%</td> </tr> </tbody> </table>	Response	Percentage	Yes	13%	No	87%						
Response	Percentage												
Yes	13%												
No	87%												
7. What kind of information about EU Framework Programme projects would be useful for your SME? (percentage of respondents who answered positively)	 <table border="1"> <caption>Useful information about EU FP projects</caption> <thead> <tr> <th>Information Type</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Events about EU FP issues</td> <td>34%</td> </tr> <tr> <td>Finding partners</td> <td>22%</td> </tr> <tr> <td>Calls for the projects</td> <td>26%</td> </tr> <tr> <td>Do not know</td> <td>12%</td> </tr> <tr> <td>None</td> <td>6%</td> </tr> </tbody> </table>	Information Type	Percentage	Events about EU FP issues	34%	Finding partners	22%	Calls for the projects	26%	Do not know	12%	None	6%
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8. What kind of the barriers could be identified for participation and exploitation of EU FP projects' results? (percentage of respondents who answered positively)	 <table border="1"> <caption>Barriers to participation and exploitation</caption> <thead> <tr> <th>Barrier</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Lack of accessible information</td> <td>38%</td> </tr> <tr> <td>English language barrier</td> <td>19%</td> </tr> <tr> <td>Lack of human resources</td> <td>12%</td> </tr> <tr> <td>Lack of interest</td> <td>13%</td> </tr> <tr> <td>Do not know</td> <td>8%</td> </tr> </tbody> </table>	Barrier	Percentage	Lack of accessible information	38%	English language barrier	19%	Lack of human resources	12%	Lack of interest	13%	Do not know	8%
Barrier	Percentage												
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English language barrier	19%												
Lack of human resources	12%												
Lack of interest	13%												
Do not know	8%												

**9. What would be your recommendations for improving LITTP activity and involvement of SMEs within research area? (percentage of respondents who answered positively)**



# Conclusions: further considerations



## **The survey results reveal that:**

- there is a demand on behalf of SMEs for the accessible and understandable information about the EC FP7 projects and its results;
  - SMEs consider this information to be relevant and mightily applicable to their activity;
  - the SMEs are especially interested in and expects LITTP to be active in organizing events for information exchange and inspiring tighter collaboration between researches and SMEs applying for and carrying on the EU projects;
  - there is a lack of basic knowledge about the EU research policy and the Framework Programme among Lithuanian SMEs;
  - majority of the inquired SMEs haven't ever participated in FP7 project nor exploited the results of the programme.
- 
- The passive stance of SMEs in regard to EU FP projects makes the LITTP activity in this area more challenging.
  - On the other hand, the „scientific cooperation“ between LITTP and SMEs is of a great potential, as SMEs are interested in the projects, but barely use the opportunities to involve .



**Thank you for your attention!**

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