

APPROVED
by Order No
of the Minister of Education and Science
of the Republic of Lithuania and
the Minister of Economy of the Republic
of Lithuania
of _____2014

**ACTION PLAN OF THE PRIORITY “TECHNOLOGIES AND MODELS FOR THE
MANAGEMENT OF INTERNATIONAL TRANSPORT CORRIDORS AND THE
INTEGRATION OF VARIOUS TRANSPORT MODES ” OF THE PRIORITY AREA OF
RESEARCH AND EXPERIMENTAL (SOCIO-CULTURAL) DEVELOPMENT AND
INNOVATION (SMART SPECIALIZATION) “TRANSPORT, LOGISTICS AND
INFORMATION AND COMMUNICATION TECHNOLOGIES”**

**CHAPTER I
GENERAL PROVISIONS**

1. The action plan of the priority “Technologies and Models for the Management of International Transport Corridors and the Integration of Various Transport Modes” of the priority area of research and experimental (socio-cultural) development and innovation (smart specialisation) (hereinafter referred to as the ‘Priority R&D Area’) “Transport, Logistics and Information and Communication Technologies” (hereinafter referred to as the ‘Action Plan’) was drawn up in the implementation of the *Implementation Programme of Priority Areas of Research and Experimental (Socio-cultural) Development and Innovation (Smart Specialization) and their Priorities* approved by Order No 411 of the Government of the Republic of Lithuania of 30 April 2014 *On the Approval of the Programme for the Implementation of Priority Areas of Research and Experimental (Socio-Cultural) Development and Innovation (Smart Specialization) and Their Priorities* (hereinafter referred to as the ‘Programme’).

2. The Action Plan was drawn up for establishing the provisions of the implementation of the Priority “Technologies and Models for the Management of International Transport Corridors and the Integration of Various Transport Modes” (hereinafter referred to as the ‘Priority’) of the Priority R&D Area “Transport, Logistics and Information and Communication Technologies”.

3. The Action Plan shall be implemented in 2015–2020.

4. Concepts used in the Action Plan include the following:

4.1. **Multimodal transportation platforms** shall mean the product of integration of all types of transport networks and nodes (airports, seaports, railways and vehicles).

4.2. **Intermodal (multimodal) transport** shall mean freight movement in the same single loading unit or in a road vehicle which uses two or more modes of transport in turn by changing the modes of movement without re-loading.

4.3. **Last mile transportation** shall mean transportation of goods from the transport hub to the final consumer.

4.4. **Transport corridor** shall mean a combination of discrete, adjacent surface transportation networks that link the same major origins and destinations .

5. Other concepts used in the Action Plan shall correspond to concepts used in the Programme.

**CHAPTER II
DESCRIPTION OF THE CURRENT SITUATION**

6. The modern policy on communications systems shall be based on a long-term approach focusing on responsibility towards forthcoming generations, therefore, in developing this type of policy much attention shall be devoted to such global challenges as climate change issues, improved energy efficiency in terms of energy consumption, management of demand for mobility and development of new mobility habits, creation of international trade flows and growth in the importance of logistics. Lithuania has not developed integrated information infrastructure and the existing segments do not comply with the standards of the EU level of information infrastructure in the field of transport.

7. According to the 2012 data, there were 55,000 enterprises operating in the fields of terrestrial transport and pipeline transport, water and air transport and 77,000 people employed in the aforementioned industries. The added value created by these companies amounted to about EUR 1,200,000. In 2012, around 170,000 companies provided warehousing and storage as well as freight management services by employing 55,000 people, and the added value created by these companies amounted to approx. EUR 185,000,000. Data of the same year showed that about 190 enterprises provided data processing, the Internet server services and other information-related services. They provided jobs to around 2,000 people and had added value amounting to about EUR 47,000,000.

8. Lithuania's exports of transport services amounted to EUR 2,300,000 in 2012. With successful implementation of this Priority and the Priority "Intelligent Transport Systems and Information and Communication Technologies", exports of the aforementioned services could double by the year 2030.

9. Investment projects in research and experimental (socio-cultural) development and innovation (hereinafter referred to as the 'RDI') implemented by business entities in 2007-2013 constituted EUR 1,000,000.

10. Lithuanian science and education institutions cooperate with business entities which is evidenced by their participation in the activities of the Lithuanian Intermodal Transport Technology Platform, East-West Transport Corridor Association, joint consortium of scientists and other researchers of Vilnius Gediminas Technical University, Kaunas University of Technology and Klaipeda University. Practical implementation and use of the technologies and models planned might be interesting to the Eastern Partnership countries to the EU and other countries.

11. The potential of the Lithuanian science and education institutions in the fields of management and administration, economy, transport and computer engineering and computer science is relatively high; there has been a significant advancement in scientific research. Science and education institutions have international top-level scientists and researchers who engage in RDI activities in the fields which are most relevant to the Priority. The capacities of specialist training in these fields increase annually.

To implement the programmes of the integrated science, studies and business centres (valleys), research centres are being established in science and education institutions which have the RDI infrastructure that can be used in the implementation of the Priority. The National Sea Science and Technology Centre currently being established in Klaipeda University is one of such research centres; sea transport engineering studies are planned to be developed here. Moreover, the infrastructure suitable for the implementation of the Priority is also being established in Kaunas University of Technology and Vilnius Gediminas Technical University.

The new EU research and innovation programme Horizon 2020 is intended to tackle the task set by society called *Intelligent, Non-polluting and Integrated Transport Systems*. To implement the aforementioned objective, the involvement of the Lithuanian researchers and other specialists is most probable.

The effective management of international transport corridors and the integration of the modes of transport may have a considerable effect on the economy of Lithuania as a transit country, however, this process had not been systematic in terms of the use of science and innovation capabilities. Nonetheless, it is expected that this gap will be filled by successful implementation of the Priority.

12. To implement the Priority the RDI resources should be enhanced and concentrated in such RDI fields as transport policy, logistics, intermodal transport, transport engineering, environmental engineering, computer engineering, transportation, logistics management (economics), management and modelling processes. To enhance the capabilities of human resources in the aforementioned RDI fields, highly qualified specialists of logistics, intermodal transportation, transport policy and development of transport corridors, transport engineering, environmental engineering, computer science, forecasting and modelling of transport processes must be trained, meanwhile, specialists of the present-day market need to have experience in implementing international projects and to have industrial experience. The implementation of the Priority will largely depend on the capacities of the information and communications technology (hereinafter referred to as the 'ICT') industry and good practice gained during the development of interaction between different ICT, on the interest and involvement of transport and logistics companies and good practice gained while developing international transport and logistics chains, on political will of state institutions and their administrative capacities to support international initiatives in the Lithuanian transport industry.

III SKYRIUS CHAPTER III

CONFORMITY OF THE ACTION PLAN TO THE IMPLEMENTATION PROGRAMME OF RDI PRIORITIES AND OTHER STRATEGIC DOCUMENTS

13. The Action Plan contributes to the implementation of the strategic goal and the objectives specified in Paragraphs 19.1 and 19.2 of the Programme and the implementation of the task set in Paragraph 20.5, namely, to promote those RDI and innovation activities which enable the implementation of flexible and effective response to such changes as growth in the amount of flows of passenger and freight transportation and freight services, increase in concentration of population in cities which determines uneven loads of road infrastructure and the growth in the number of traffic congestions, reduction of environmental pollution, reduction of green-house gas impact, promotion of transport and logistic innovations (in order to respond to increasing competition and reducing prices due to third countries), the provision of good-quality, safe, environmental-friendly and fast transportation services to consumers.

14. Actions of the Action Plan:

14.1. to create and introduce new technologies, products, processes and methods in the market;

14.2. to promote the creation of knowledge-intensive business, the development of enterprises with huge potential;

14.3. to encourage clusterization, integration into international value creation networks and investments into RDI;

14.4. to promote cooperation between research and business, transmission of knowledge and technologies with the aim to commercialize R&D results;

14.5. to enhance the potential of scientific and education institutions and their abilities in the creation and commercialization of knowledge, also, to prepare research and innovation management specialists.

15. In the implementation of the Action Plan the intention is to contribute to changes which are expected in the implementation of the Programme of National Advancement for 2014–2020 approved by Resolution No 1482 of the Government of the Republic of Lithuania of 28 November 2012 *On the Approval of the Programme of National Advancement for 2014-2020* which implements the national progress strategy *Lithuania 2030* approved by Resolution No XI-2015 of the Seimas of the Republic of Lithuania of 15 May 2012 *On the Approval of the National Progress Strategy the Lithuanian Progress Strategy 'Lithuania 2030'*. The results of the implementation of the Priority should contribute to the creation of a modern transport infrastructure and sustainable mobility. In addition, it is expected to bring about the effect of the goal of the National Transport Development Programme for 2014-2022 approved by Resolution No 1253 of the Government of the Republic of Lithuania of 18 December 2013 *On the Approval of the National Transport Development Programme*

for 2014-2022, namely, to create a competitive, modern and cohesive Lithuanian transport system having a considerable additive value.

CHAPTER IV IMPLEMENTATION STAGES OF THE PRIORITY

16. To implement the Priority the measures selected in accordance with the Lithuanian Innovation Development Programme approved by Resolution 1281 of the Government of the Republic of Lithuania of 18 December 2013, the National Programme for the Development of Studies, Scientific Research and Experimental (Social and Cultural) Development for 2013–2020 approved by Resolution 1494 of the Government of the Republic of Lithuania of 5 December 2012 and in accordance with the laws implementing the aforementioned programmes are used.

17. A set of studies, RDI and innovation policy measures required for the implementation of the Priority was determined in accordance with the report of an international work group of independent experts dated 21 February 2014 ‘Signposts for the Implementation of the Priorities’. In accordance with the given report, the following implementation stages of the Priorities can be pointed out:

17.1. the stage of generation of the critical mass of science potential includes activities related to the provision of proper conditions for creating new ideas, finding solutions, creating technologies and prototypes and to the preparation for carrying out these activities;

17.2. the stage of search for new ideas and their solutions includes the fundamental scientific research of general and specific – targeted – nature required for the implementation of the Priority;

17.3. the stage of creation of technologies and their prototypes includes industrial research and experimental applied activities required for the implementation of the Priority;

17.4. the stage of introduction [of a product] to the market includes activities related to the introduction of new products to the market;

17.5. the stage of generation of critical mass of business potential includes activities related to the transmission of knowledge and innovation and their dissemination in society and a large scale application.

18. Actions specified in Subparagraphs 14.1–14.5 of the Action Plan shall be implemented by applying the measures indicated in Annex 1 to the Action Plan.

19. Annex 2 to the Action Plan provides for a set of relevant studies, RDI and innovation policy measures required for every stage of implementation of the Priority.

20. Actions specified in Annex 1 to the Action Plan shall be implemented in accordance with the set of studies, RDI and innovation policy measures provided for in Annex 2.

CHAPTER V THEMATIC SPECIFICS OF THE PRIORITY

21. To implement the Action Plan the following aims are to be pursued:

21.1. creating and implementing innovative management models and processes of international transport corridors and global logistics networks which would help transit from the present-day independent closed-type logistics and supply networks to the open-type networks, where resources are coordinated, accessed and easily interconnected;

21.2. introducing the processes of integration of fragmented and different transport and logistics ICT (along the transport corridor and logistics network) by forming a common open-type information platform;

21.3. creating and applying integral processes and technologies of long-distance and last mile transportation;

21.4. creating and introducing concepts and technologies of multimode transport terminals and platforms directed towards the development of the network of passenger and freight transportation by means of multimode transport terminals and mixed passenger-freight terminals;

21.5. further developing research for ensuring the security of transport and logistic processes and creating related technologies.

22. Successful implementation of the activities specified in Paragraphs 21.1–21.5 of the Action Plan is an integral part of RID activities carried out by private and public institutions.

23. Joint initiatives of studies, scientific research and experimental (social and cultural) development and innovation (hereinafter referred to as the ‘Joint Initiatives’) play an important role in the implementation of the Priority. They constitute the basis for resolving the problems of economic sectors in carrying out RID activities which are of relevance to economic sectors and form the expectations that private sector entities will be engaged in the realisation of the results of RID activities. To implement the Joint Initiatives in accordance with the activities specified in Paragraphs 21.1–21.5 of the Action Plan and actions indicated in Paragraphs 14.1–14.5 of the Action Plan, RID activities are carried out in order to:

23.1. look for innovative solutions in forming models of management of international transport corridors and decision-making processes;

23.2. study the possibilities of integration of ICT of different transport modes in developing a common open-type information platform;

23.3. study the possibilities of integration of long-distance and last mile transportation and analyse the market;

23.4. look for innovative solutions in creating the network of multimode transport terminals and platforms (for passengers and freights);

23.5. identify the narrow gaps in ensuring security of transport and logistic processes, analyse new potential solutions;

23.6. create management models of international transport corridors;

23.7. develop models for the integration of ICT of different modes of transport;

23.8. create concepts of integration of long-distance and last mile transportation which would provide for innovative technologies (models) for freight consolidation and supply;

23.9. create concepts (models) of integral transport according to which freights and passengers would be taken to the point of destination by using the most efficient combination of transport modes and means;

23.10. create methodologies for the assessment of security of different types of transport, to establish criteria for certification;

23.11. test ICT integrated models of different transport modes in real environments;

23.12. demonstrate innovative models of integration of long-distance and last-mile transportation;

23.13. develop prototype (pilot) technologies for ensuring security of transport and logistic processes.

24. In implementing the Joint Initiatives the aim is for the activities specified in Paragraphs 23.1–23.13 of the Action Plan to provide conditions to:

24.1. introduce innovative management models of inter-regional transport corridor;

24.2. create structures related to multimode freight transportation, develop effective novel multimode transportation services;

24.3. in cooperation with the countries of the Baltic region and other countries, (to) implement modern management models of international transport corridors and logistic chains in the transport corridors crossing the territory of Lithuania;

24.4. apply the ICT integrated models for different transport modes in the transport industry;

24.5. introduce integration concepts for long-distance and last-mile transportation to the system of transport;

24.6. introduce concepts of integral transport to the transport industry;

24.7. apply transport security measures and certificates in the transport industry.

25. Paragraphs 23.1–23.13 of the Action Plan may be amended by deleting them or supplementing the planned activities upon the proposal of the Coordination Group for the Implementation of Priorities of Scientific Research and Experimental (Social and Cultural)

Development and Innovation set up in accordance with Order No V-576/4-409 of the Minister of Education and Science and the Minister of Economy of 20 June 2014 (hereinafter referred to as the ‘Coordination Group’), taking into consideration the details collected during the monitoring and assessment of the implementation of the Programme and the Action Plan or other substantiated details or proposals.

CHAPTER VI IMPLEMENTATION OF THE ACTION PLAN

26. Possible sources of the implementation of the Action Plan:

26.1. state budget funds of the Republic of Lithuania:

26.1.1. funds of the EU structural funds allocated for the 2014-2020 period (funds for the measures of the 1st priority “Promoting Research, Experimental Development and Innovation” of the European Union structural fund action programme 2014-2020 (hereinafter referred to as the ‘Action Programme’), the 3rd priority of the Action Programme “Promoting Competitiveness of Small and Medium Enterprises” and the 9th priority of the Action Programme “Public Education and Increase of Human Resource Potential”);

26.1.2. state budget funds (excluding the European Union structural funds);

26.2. funds of scientific and educational institutions;

26.3. funds of private legal entities;

26.4. funds of the European Union Research and Innovation Programme *Horizon 2020* and other international programmes.

27. A part of funds for the measures of priority 1 and priority 9 of the Action Programme are intended for direct support of activities necessary for the implementation of the Priority, thus the table presented in Annex 1 provides for preliminary amount, which is planned to be used for the implementation of the Priority depending on the need.

28. A part of funds for the measures of priority 1 of the Action Programme unattributed to any specific priorities of priority areas of research and experimental (socio-cultural) development and innovation (smart specialization) (hereinafter referred to as the ‘RDI priorities’), the results of the implementation thereof can contribute to the implementation of all or the majority of the RDI priorities. These measures are marked in the table of Annex 1 to the Action Plan with an asterisk.

29. Part of priority 9 and measures implemented using the Lithuanian state budget funds are relevant to the entire education and RDI system, and are not attributed to any specific RDI priorities, however, their implementation results may also contribute to the implementation of the Priority. These measures are marked in the table of Annex 1 to the Action Plan with two asterisks.

30. Measures of priority 3 of the Action Programme, though relevant to the entire system of improvement of business environment and aid to business, will indirectly contribute to the implementation of the Action Plan, by mainly creating favourable conditions for private entities to introduce new products and generate critical mass of business potential.

In implementing the measures of priority 3 of the Action Programme, it is planned to support activities relevant for the Implementation of the Priority such as product design, implementation of high impact technologies in traditional industries, presentation of production in international exhibitions and (or) fairs, certification of products and services planned for export, increase in new capabilities to provide products and services, development of infrastructure of business incubators, membership in international networks (platforms), improvement of awareness of products and services, business start-up consultations.

31. The plan is to have funds of science and education institutions attracted by supporting activities related to the creation and renewal of education and RDI infrastructure necessary for the implementation of the Priority (by implementing infrastructure projects, co-funding of science and education institutions is expected). These funds are included in the graph “State budget funds and other funds” in the table presented in Annex 1 to the Action Plan.

32. The plan is to have funds of private legal entities attracted by implementing measures, the projects executed on the basis whereof planned to be co-funded by the state - business companies will have to cover a part of the project value using their own funds. These funds are included in the graph "Private sector funds" in the table presented in Annex 1 to the Action Plan.

33. The Priority may be partially implemented by participating in the European Union Research and Innovation Programme *Horizon 2020* and other international programmes. Funds attracted participating in international programmes are not indicated in the table presented in Annex 1 to the Action Plan.

34. The implementation of the Action Plan seeks for quantitative and qualitative results in line with the evaluation criteria set in Annex 1.

35. Deadlines for announcing calls for applications for measures implementing the actions of the Action Plan or for concluding project lists will be planned in accordance with the plans for announcing calls for applications and concluding project lists prepared by ministries, as provided for in administration rules of 2014-2020 EU fund investment action programmes approved by Resolution No. 1090 of the Government of the Republic of Lithuania of 3 October 2014 *On the Approval of Administration Rules of 2014-2020 EU Fund Investment Action Programmes*.

36. Development of the priority areas of research and experimental (socio-cultural) development and innovation (smart specialization) and the implementation of priorities thereof are coordinated by the Coordination Group.

37. The Programme and the Action Plans of the RDI Priorities are implemented to promote and support interaction and cooperation between business entities and science and education institutions. The promotion of cooperation between business entities and science and education institutions, in accordance with the procedure established by the Ministry of Education and Science and the Ministry of Economy, is implemented by the Agency for Science, Innovation and Technology. The implementation process of the Programme is continuously monitored by analysing and assessing the implementation of the Action Plans of RDI Priorities. Monitoring and assessment of the Programme implementation, in accordance with the procedure established by the Ministry of Education and Science and the Ministry of Economy, is carried out by the Science and Studies Monitoring and Analysis Center (MOSTA).

38. Infrastructure created and equipment purchased during projects planned to be funded from EU funds or other sources and executed on the basis of education and RDI policy measures set in Annex 1 of the Action Plan shall not duplicate equipment currently possessed by science and education institutions or other public sector entities, except for cases when the capacity of the existing equipment is insufficient for ensuring the implementation of the Priority.

39. A list of measures presented in Annex 1 to the Action Plan may be amended in light of the results of the planned interim evaluation of the Priority implementation in 2018, also having assessed the needs of potential executors of the measures.

Annex 1 to the Action Plan of the Priority
 “Technologies and Models for the Management of
 International Transport Corridors and the
 Integration of Various Transport Modes ” of the
 Priority Area of Research and Experimental
 (Socio-Cultural) Development and Innovation
 (Smart Specialization) “Transport, Logistics And
 Information And Communication Technologies”

**ACTIONS, MEASURES, PRELIMINARY NEED FOR FUNDS FOR THE IMPLEMENTATION THEREOF AND EVALUATION
 CRITERIA**

Actions and measures	Preliminary funds, thousand EUR			Institution in charge	Evaluation criteria of actions and measures	Criteria values	
	European Union structural funds	State budget and other funds	Private sector funds			European Union structural funds	State budget and other funds
Action 1. To create and introduce new technologies, products, processes and methods into the market:					Created prototypes (concepts) of products, services or processes within 3 years after the implementation of the project (pcs.)	1	3
Measure 1.1. Joint science and business projects contributing to the implementation of smart specialization	490	-	-	Ministry of Education and Science	Number of projects jointly executed by business, science and education institutions (pcs.)	0	1
	250	-	226	Ministry of Economy	Number of certified products (pcs.)	0	1
Measure 1.2. Support for the creation or development of the company’s RDI infrastructure and implementation of RDI activities (“Intelektas”)	1 111	-	1 017				
Measure 1.3. Support for company RDI providing innovation vouchers (“Inovaciniai čekiai”)							
Measure 1.4. Support for patenting inventions and design (“InoPatent LT”)							
Measure 1.5. Support for precertification of new products and technologies and for conducting tests in laboratories under actual conditions (“Inosertifikavimas”)							
Action 2. To encourage the creation of knowledge-intensive business and development of companies having large potential:	1 303	-	145		New companies having received investments within 3 years after the implementation of the project (pcs.)	1	2

Measure 2.1. Support for the provision of innovation consulting services (“Inogeb LT”)					Number of companies receiving financial support in some other form than a subsidy (pcs.)	1	3
Measure 2.2. Support to companies engaged in RDI by financial tools (“Technostartas LT”, “Koinvest LT”)							
Action 3. To promote clusterization, integration into international value creation networks and investments in RDI:					New cluster members within 3 years from the start of the implementation of the project (persons)	1	2
					Attracted foreign investments into RDI area according to the areas of smart specialization within 3 years after the implementation of the project (thousand EUR)	42 353*	95 295*
Measure 3.1. Support for cluster operation (“InoKlaster LT”)	1 866	-	294		Number of legally binding agreements with international partners (pcs.)	4	10
Measure 3.2. Support for participating in international RDI initiatives (“InoConect LT”)							
Measure 3.3. Support for the RDI infrastructure of common use (“Technologinių Centrų Infrastruktūra”)							
Measure 3.4. Support for attracting direct foreign investments in RDI area (“Smartinvest LT”)	5 792*	-	-				
Measure 3.5. Support for direct foreign investments in RDI area (“SmartInvest LT+”)	28 962*	-	32 011*				
Action 4. To promote science and business cooperation, transfer of knowledge and technologies in order to commercialize RDI results:					Business RDI orders executed by science and education institutions (thousand EUR)	326	423
					Revenues of science and education institutions from intellectual activity results (thousand EUR)	2,8	3,6
Measure 4.1. Creation of the material base intended for the implementation of joint science and business projects and the development thereof in science and education institutions (creation and development of infrastructure of centres of excellence)	8 690*	-	-		Patent applications (pcs.)	0	1
					Doctoral studies conducted together with business entities (number of doctoral students)	1	2
Measure 4.2. Support for the implementation of RDI activities executed by centres of excellence	11 580*	-	-				
Measure 4.3. Implementation of market-oriented science and business projects through cross-border network	93	-	-				

Measure 4.4. Promotion of commercialization of the results of RDI activities in the institutions of science and studies	203	504**	-				
Action 5. To enhance the potential of science and education institutions and their abilities to create and commercialize knowledge and to prepare specialists:					External users from foreign science and education institutions, Lithuanian and foreign business companies having used the renewed open access research infrastructure (funds received from these users (thousand EUR))	19,8	25,7
					Number of publications in frequently cited periodicals (pcs.)	12	16
Measure 5.1. Renewal of RDI and education infrastructure in the areas of smart specialization	52 132*	-	-		Number of researchers working in improved research infrastructure base (full-time equivalents)	6	8
Measure 5.2. Creation and development of European research infrastructures as well as integration of Lithuania into the European research infrastructures pursuant to the Lithuanian research infrastructure signpost and ESFRI	26 066*	1008**	-		Number of spin-offs created in science and education institutions (units)	0	2
Measure 5.3. Renewal of equipment used in open-access centres by smart specialization areas	90	-	-				
Measure 5.4. RDI activities carried out by the Lithuanian science and education institutions	434	-	-				
Measure 5.5. Subscription of databases necessary for RDI activities	28 960*	-	-				
Measure 5.6. Creation of infrastructure of centres of excellence and parallel laboratories	26 640*	504**	-				
Measure 5.7. Development of information infrastructure for science and education (LITNET)	4 340*	-	-				
Measure 5.8. Attraction of foreign scientists and RDI activities	14 481*	-	-				
Measure 5.9. Promotion of activities of innovation and technology transmission centres of science and education institutions	14 480*	-	-				
Measure 5.10. Ensurance of the doctoral study process; doctoral studies, trips, scholarship, RDI, transfer, funds for visits (including foreign doctoral students)	644	62 154**	-				
Measure 5.11. Employment of scientists and other researchers in knowledge-intensive enterprises	2 896*	-	-				
Measure 5.12. Attraction and reintegration of scholars	5 792*	-	-				
Measure 5.13. Student RDI activities	2 317*	-	-				

Measure 5.14. Promotion of post-doctoral internships	7 240*	-	-				
Measure 5.15. Preparation of specialists in smart specialization priority-related study programmes	47	-	-				
Measure 5.16. Development of science popularization system	12 000**						
Measure 5.17. Funding of undergraduate, graduate, integrated and non-degree studies	-	220 032**	-				
Measure 5.18. Support for mobility of Lithuanian and foreign students and teachers	-	3 438**	-				
Measure 5.19. Practical trainings for scientists and other researchers, participation of scientists and other researchers in targeted events of international programmes, participation of Lithuanian researchers in targeted meetings for the preparation of project applications, participation of representatives from Lithuania in the European Union and other international working groups, committees, commissions, related to research and experimental (socio-cultural) development. / Encouragement of participation in H2020	4 503**	258**	-				
Measure 5.20. To ensure funding for RDI activities relevant for the solution of top-level problems strategically important to the public and the state as well as economic development	-	94 314**	-				
Measure 5.21. To support cross-sectoral cooperation in RDI area	-	2 364**	-				
Measure 5.22. To allow researchers to use digital scientific data resources	-	450**	-				

* Funds unattributed to specific priority area of research and experimental (socio-cultural) development and innovation (smart specialization), their implementation results can contribute to the implementation of all or the majority of RDI priorities.

** Funds for measures relevant to the entire RDI system and are unattributed to specific RDI priorities, their implementation results will also contribute to the implementation of the Priority.

Annex 2 to the Action Plan of the Priority
 “Technologies and Models for the Management of
 International Transport Corridors and the
 Integration of Various Transport Modes ” of the
 Priority Area of Research and Experimental
 (Socio-Cultural) Development and Innovation
 (Smart Specialization) “Transport, Logistics And
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SET OF EDUCATION AND RDI POLICY MEASURES

Generation of science potential critical mass	Search for new ideas and their solutions	Creation of technologies and their prototypes	Introduction into the market	Generation of business potential critical mass
Measure 5.1. Renewal of RDI and education infrastructure in the areas of smart specialization	Measure 1.1. Joint science and business projects contributing to the implementation of smart specialization			Measure 3.1. Support for cluster operation (“InoKlaster LT”)
Measure 5.2. Creation and development of the European research infrastructures and Lithuania’s integration into the European research infrastructures pursuant to Lithuanian research infrastructure signpost and ESFRI	Measure 1.2. Support for the creation or development of the company’s RDI infrastructure and implementation of RDI activities (“Intelektas LT”)			Measure 3.2. Support for participating in international RDI initiatives (“InoConect LT”)
Measure 5.3. Renewal of equipment used in open-access centres by areas of smart specialization	Measure 5.4. RDI activities carried out by the Lithuanian science and education institutions	Measure 1.5. Support for precertification of new products and technologies and for conducting tests in laboratories under actual conditions (“Inosertifikavimas”)		Measure 5.11. Employment of scientists and other researchers in knowledge-intensive enterprises
Measure 5.5. Subscription of databases necessary for RDI activities	Measure 2.1. Support for the provision of innovation consulting services (“Inogeb LT”)			
Measure 5.6. Creation of infrastructure of centres of excellence and parallel laboratories	Measure 2.2. Support to companies engaged in RDI by financial tools (“Technostartas LT”, “Koinvest LT”)			
Measure 5.7. Development of information infrastructure for science and education (LITNET)	Measure 3.3. Support for the RDI infrastructure of common use (“Technologinių Centrų Infrastruktūra”)			
Measure 5.9. Promotion of activities of innovation and technology transmission centres of science and education institutions	Measure 3.4. Support for attracting direct foreign investments in RDI area (“Smartinvest LT”)			

Measure 5.10. Ensurance of the doctoral study process; doctoral studies, trips, scholarship, RDI, transfer, funds for visits (including foreign doctoral students)	Measure 3.5. Support for direct foreign investments in RDI area (“SmartInvest LT+”)			
Measure 5.12. Attraction and reintegration of scholars	Measure 4.4. Promotion of commercialization of the results of RDI activities in the institutions of science and studies			
Measure 5.14. Promotion of post-doctoral internships	Measure 5.20. To ensure funding for RDI activities relevant for the solution of top-level problems strategically important to the public and the state as well as economic development	Measure 1.3. Support for company RDI providing innovation vouchers (“Inovaciniai čekiai”)	-	-
Measure 5.15. Preparation of specialists in smart specialization priority-related study programmes	Measure 3.2. Support for participating in international RDI initiatives (“InoConect LT”)			
Measure 5.16. Development of science popularization system	Measure 5.13. Student RDI activities			
Measure 5.8. Attraction of foreign scientists and RDI activities		Measure 1.4. Support for patenting inventions and design (“InoPatent LT”)		
Measure 5.17. Funding of undergraduate, graduate, integrated and non-degree studies	-	Measure 4.3. Implementation of market-oriented science and business projects through cross-border network		
Measure 5.18. Support for mobility of Lithuanian and foreign students and teachers		-		
Measure 5.19. Practical trainings for scientists and other researchers, participation of scientists and other researchers in targeted events of international programmes, participation of Lithuanian researchers in targeted meetings for the preparation of project applications, participation of representatives from Lithuania in the European Union and other international working groups, committees, commissions, related to research and experimental (socio-cultural) development. / Encouragement of participation in H2020				
Measure 5.21. To support cross-sectoral cooperation in RDI area				
Measure 5.22. To allow researchers to use digital scientific data resources				
Measure 4.1. Creation of the material base intended for the implementation of joint science and business projects and the development thereof in science and				

education institutions (creation and development of infrastructure of centres of excellence)				
Measure 4.2. Support for the implementation of RDI activities executed by centres of excellence				
