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**COMMISSION STAFF WORKING PAPER**

**Innovation Union Competitiveness report 2011**

## FP7 Key facts and figures

### Applications:

As of 2011/03/16, a total of

- 636 eligible proposals were submitted in response to 248 FP7 calls for proposals
- involving 800 applicants from Latvia (0,30% of EU-27\*) and
- requesting EUR 150,66m of EC contribution (0,17% of EU-27\*)

Among the EU-27\* Latvia (LV) ranks:

- 25th in terms of number of applicants and
- 25th in terms of requested EC contribution

### Success rates:

- The LV applicant success rate of 22,1% is similar to the EU-27\* applicant success rate of 21,6%.
- The LV EC financial contribution success rate of 11,2% is lower than the EU-27\* rate of 20,7%.

Specifically, following evaluation and selection, a total of

- 131 proposals were retained for funding (20,6%)
- involving 177 (22,1%) successful applicants from Latvia and
- requesting EUR 16,81m (11,2%) of EC financial contribution

Among the EU-27\*, Latvia (LV) ranks:

- 11th in terms of applicants success rate and
- 24th in terms of EC financial contribution success rate

### Signed grant agreements

As of 2011/03/16, Latvia (LV) participates in

- 122 signed grant agreements
- involving 2.136 participants of which 165 (7,72%) are from Latvia
- benefiting from a total of EUR 471,83m of EC financial contribution of which EUR 15,19m (3,22%) is dedicated to participants from Latvia.

Among the EU-27\* in all FP7 signed grant agreements, Latvia (LV) ranks:

- 26th in number of participations and
- 27th in budget share

### SME performance and participation

- The LV SME applicant success rate of 17,74% is lower than the EU-27\* SME applicant success rate of 19,33%.
- The LV SME EC financial contribution success rate of 14,32% is lower than the corresponding EU-27\* rate of 18,26%.

Specifically,

**Nr. of Researchers as % of population	N/A	0,40%
Rank in EU-27*		
Innovation scoreboard (2008)	- 26th	
- Below EU-27 average		
- Catching-up Country		
Nr. of FP7 applicants (% EU-27*)	800	
(0,30%)	266.507	
Req. EC contribution by FP7 applicants in EUR million	150,66	
(% EU-27*)	88.295	
(0,17%)		
Nr. of successful FP7 applicants (% EU-27*)	177	
(0,30%)	59.199	
Req. EC contribution by successful FP7 applicants in EUR million	16,81	
(% EU-27*)	18.262,02	
(0,09%)		
Success rate FP7 applicants	22,1%	21,6%
Success rate		
FP7 EC contribution	11,2%	20,7%
Nr. of FP7 grant holders (% EU-27*)	165	
(0,32%)	51.279	
EC contribution to FP7 grant holders in EUR million	15,19	
(% EU-27*)	16.578,15	
(0,09%)		
Nr. of FP7 coordinators (% of grant holders)	12	
(7,27%)	9.383	
(18,30%)		
Nr. of FP7 SME grant holders (% grant holders)	20	
(12,12%)	8.845	
(17,25%)		
EC contribution to FP7 SME grant holders in EUR million	3,11	
(% of grant holders)	2.207,73	
(20,44%)		
(13,32%)		

- 310 LV SME applicants requesting EUR 57,29m
- 55 (17,74%) successful SMEs requesting EUR 8,20m (14,32%)

In signed grant agreements, as of 2011/03/16,

- 20 LV SME grant holders, i.e., 12,12% of total LV participation
- EUR 3,11m, i.e., 20,44% of total LV budget share

**Top 3 collaborative links with:**

- UK - United Kingdom (157)
- DE - Germany (141)
- IT - Italy (136)

LV - Latvia - most active FP7 research priority areas by number of applicants applying for the research projects						
FP7 priority area	Nr. of applicants	Requested EC contribution by applicants (M euro)	Nr. of mainlisted applicants	Success Rate (applicants)	Requested EC contribution by mainlisted applicants (M euro)	Success Rate (requested EC contribution)
Research for the benefit of SMEs	140	18,88	17	12,14 %	1,96	10,40 %
Information and Communication Technologies	99	19,89	11	11,11 %	2,60	13,06 %
Marie-Curie Actions	98	n/a	48	48,98 %	n/a	n/a
Health	59	15,68	7	11,86 %	0,93	5,91 %
Socio-economic sciences and Humanities	57	7,33	7	12,28 %	0,51	6,97 %
Food, Agriculture and Fisheries, and Biotechnology	49	9,53	11	22,45 %	1,48	15,48 %

LV - Latvia - most active FP7 research priority areas by EC contribution granted to the research projects				
FP7 Priority Area	Number of grant holders	% of all LV grant holders	EC contribution (EUR million)	% of total EC contribution to LV
Research Potential	3	1,82%	2,17	14,29 %
Information and Communication Technologies	9	5,45%	1,63	10,75 %
Research Infrastructures	16	9,70%	1,60	10,55 %
Research for the benefit of SMEs	12	7,27%	1,59	10,45 %
Marie-Curie Actions	44	26,67%	1,48	9,77 %
Food, Agriculture and Fisheries, and Biotechnology	11	6,67%	1,44	9,47 %

LV - Latvia - participation in the FP7 research projects by organisation activity type									
Activity Type	Nr. of applicants	Requested EC contribution by applicants (M euro)	Nr. of mainlisted applicants	Success rate (applicants)	Requested EC contribution by mainlisted applicants (M euro)	Success rate (requested contribution)	Nr. of grant holders	EC contribution to grant holders	% of total EC contribution to grant holders
HES	312	49,38	76	24,36%	5,97	12,08%	71	6,65	43,79%
PRC	186	31,92	26	13,98%	3,19	10,00%	16	2,48	16,31%
REC	132	28,38	40	30,30%	3,91	13,79%	49	4,06	26,72%
OTH	76	12,47	12	15,79%	1,01	8,13%	6	0,78	5,13%
PUB	73	10,25	22	30,14%	2,59	25,27%	23	1,22	8,05%
<b>SME</b>	<b>310</b>	<b>57,29</b>	<b>55</b>	<b>17,74%</b>	<b>8,20</b>	<b>14,32%</b>	<b>20</b>	<b>3,11</b>	<b>20,44%</b>

HES - Higher or secondary education, PRC - Private for profit (excl. education), REC - Research organisations, OTH - Others, PUB - Public body (excl. research and education),

LV - Latvia - the most active NUTS3 regions, by EC contribution granted to the FP7 research projects				
LV - Latvia region	Number of grant holders	% of all LV - Latvia grant holders	EC contribution (M euro)	% of total EC contribution to LV
Riga (LV006)	90	54,55%	8,53	56,16%
Pieriga (LV007)	52	31,52%	4,99	32,82%
Latgale (LV005)	7	4,24%	0,04	0,23%
Kurzeme (LV003)	6	3,64%	0,24	1,59%
Zemgale (LV009)	5	3,03%	1,12	7,36%

LV - Latvia - most active organisations in terms of EC contribution granted to the FP7 research projects				
Legal Name	Number of Participations	% of all LV grant holders	EC contribution (M euro)	% of total EC contribution to LV grant holders
RIGAS TEHNISKA UNIVERSITATE (RTU)	17	10,30%	1,92	12,63%
LATVIJAS VALSTS KOKSNES KIMIJAS INSTITUTS (LSIWC)	7	4,24%	1,83	12,02%
LATVIJAS UNIVERSITATE (LU)	19	11,52%	1,73	11,38%
LATVIJAS LAUKSAIMNIECIBAS UNIVERSITATE (LLU)	5	3,03%	1,12	7,36%
TILDE SIA (TILDE)	3	1,82%	1,00	6,60%

NOTES:

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FP7 proposal and application figures are valid as of the 2011/03/16

FP7 grant agreements and participation figures are valid as of the 2011/03/16

\*EU-27 includes the 27 country-members and JRC as a separate entity

\*\*E-STAT Reference year: 2007

\*\*European Innovation Scoreboard is available at the website of [DG Enterprise and Industry](#)

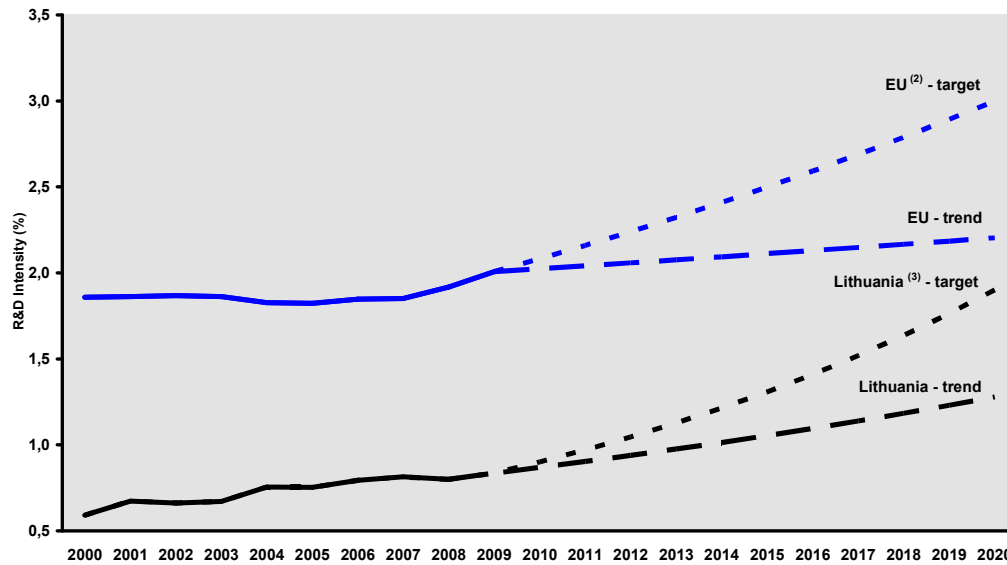
## COUNTRY PROFILE LT - Lithuania

### Progress towards meeting the Europe 2020 R&D intensity target

In the last decade, R&D intensity in Lithuania increased from 0.59% of GDP in 2000 to 0.84% in 2009, i.e. an annual average growth rate of 3.9%. It is to be noted that the increase in R&D intensity in 2009 compared to 2008 (0.80% of GDP) is due to a more severe drop in GDP than in nominal R&D expenditure. Lithuania's R&D intensity is still among the lowest in the European Union. In order to maintain and increase its economic competitiveness and secure high-quality jobs, Lithuania will have to sharply increase its investments in research and innovation.

Lithuanian authorities have recognised this and have set a very ambitious national R&D target for 2020: R&D intensity in Lithuania should account for 1.9% of the national GDP in 2020. This net increase of around 1.1% would be similar to the one needed for the EU to reach the 3% R&D target.

Lithuania - R&D Intensity projections, 2000-2020 <sup>(1)</sup>



Source: DG Research and Innovation

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Data: DG Research and Innovation, Eurostat

Notes: (1) The R&D Intensity projections based on trends are derived from the average annual growth in R&D Intensity 2000-2009.

(2) EU: This projection is based on the R&D Intensity target of 3.0% for 2020.

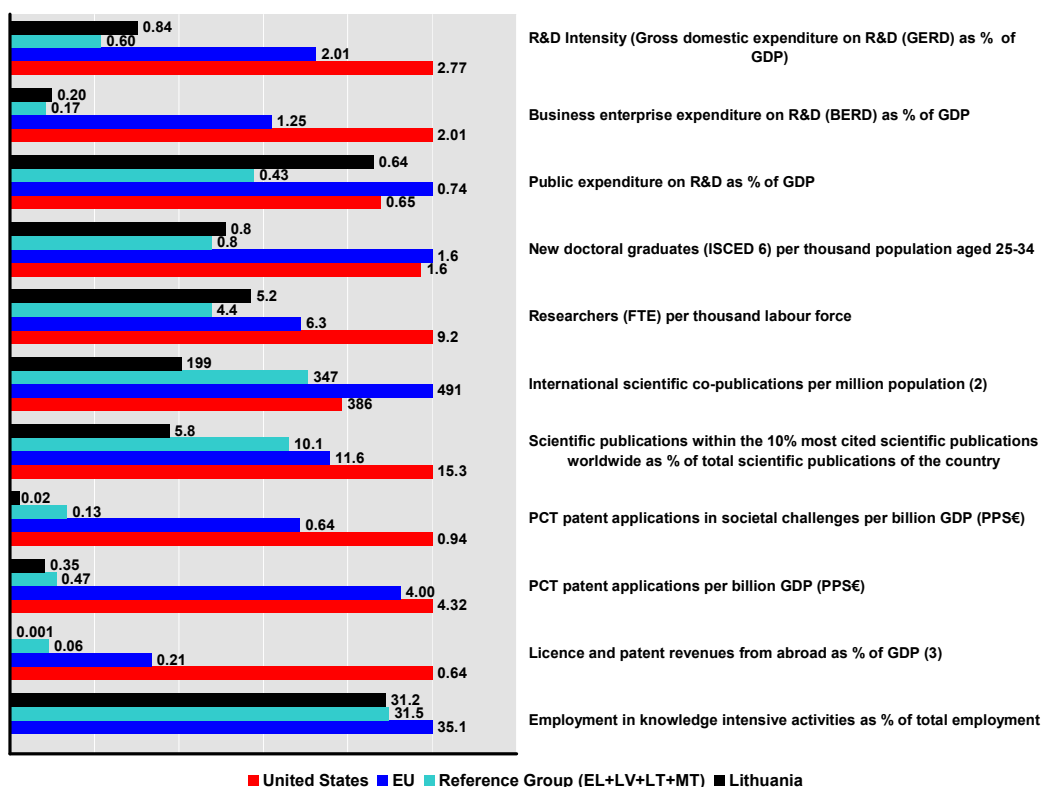
(3) LT: This projection is based on a tentative R&D Intensity target of 1.9% for 2020.

## Research and innovation performance

The low level of R&D expenditure in Lithuania, in particular in the business sector, gives rise to a poor scientific and technological performance. Compared to the EU average, but also compared to countries of similar scientific and technological profile, Lithuania scores low in all indicators except R&D expenditure in the public sector and employment activities, whose levels in Lithuania are closer to the EU value. The number of researchers in the labour force is also among the relative strengths of Lithuania. However, the science base appears relatively closed and very few of the scientific publications involving authors based in Lithuania have a high impact. Exploitation of R&D results by the business sector is extremely limited with low business R&D expenditure and very few patent inventions — to the point that Lithuania has virtually no licence and patent revenue from abroad.

## Lithuania

### R&D profile, 2009 <sup>(1)</sup>



Source: DG Research and Innovation

Data: Eurostat, OECD, Science Matrix / Scopus (Elsevier)

Notes: (1) The values refer to 2009 or to the latest available year.

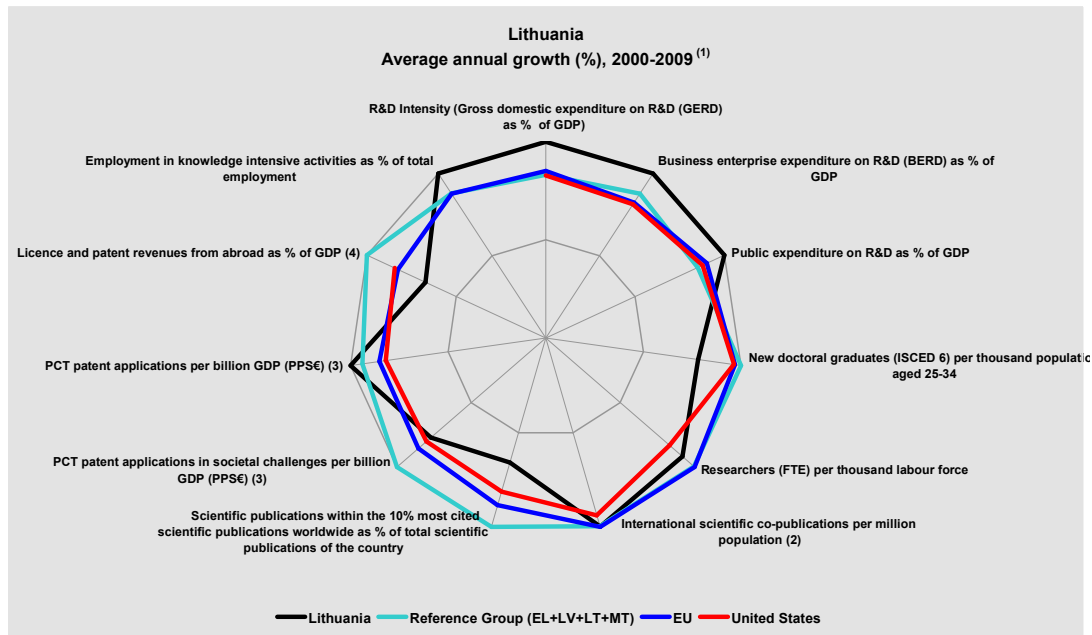
(2) The EU value refers to the median rather than to the average.

(3) EU refers to extra-EU.

(4) Elements of estimation were involved in the compilation of the data.

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In dynamic terms, Lithuania has been progressing in input indicators at a similar pace as the average of the countries that have a similar scientific and technological profile, except in new doctoral graduates where progress in Lithuania is slower. Progress of Lithuania in outputs was less rapid than in comparable countries, except in the overall level of PCT patent inventions. If this trend continues, it could have important consequences for the future international economic competitiveness of Lithuania.



Source: DG Research and Innovation

Data: Eurostat, OECD, Science Metrix / Scopus (Elsevier)

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Notes: (1) Growth rates which do not refer to 2000-2009 refer to growth between the earliest available year and the latest available year over the period 2000-2010.

(2) The EU value refers to the median rather than to the average.

(3) Average annual growth refers to real growth.

(4) EU refers to extra-EU.

(5) Elements of estimation were involved in the compilation of the data.

## Participation in the European Research Area: scientific and technological collaborations

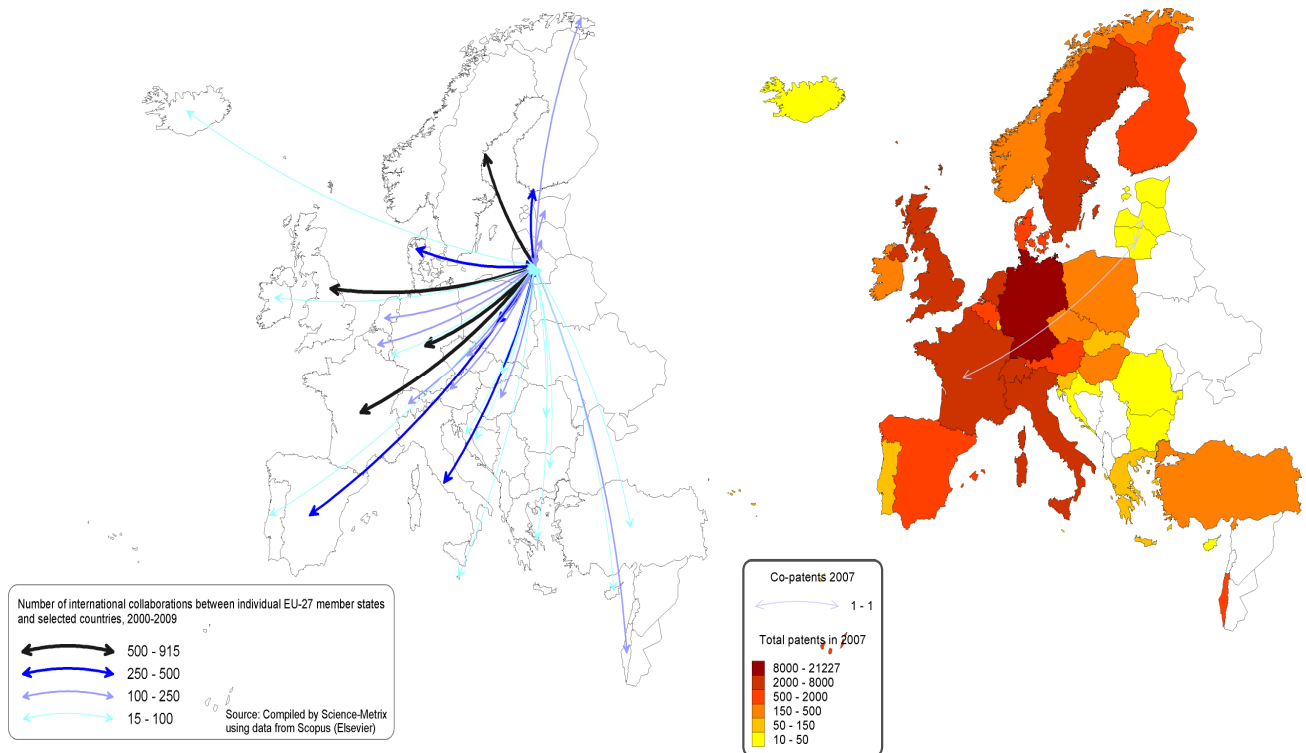
As shown in the R&D profile above, Lithuania is one of the European countries with the lowest rate of overall co-publications per million population. This suggests that the country is not actively participating in, and benefiting from, the international scientific knowledge flows favoured by the construction of the European Research Area. The main scientific partners of Lithuania are Germany, France and the United Kingdom, largely reflecting the size of the

national research systems of these countries. Lithuania has also important linkages with Sweden, Finland, Denmark — probably due to geographical proximity.

Lithuania is virtually unconnected with other countries in patenting activities. In 2007, only one EPO patent application was co-invented by an inventor based in Lithuania and an inventor(s) based in another European country (France).

### Co-publications between Lithuania and European countries in-2009

### Co-invented EPO patent applications between Lithuania and European countries, 2007



Source: DG Research  
Data: Scopus/ Science Metrix and Eurostat

#### FP7 Key facts and figures

##### Applications:

As of 2011/03/16, a total of

- 986 eligible proposals were submitted in response to 248 FP7 calls for proposals
- involving 1.208 applicants from Lithuania (0,45% of EU-

\*\*Nr. of Researchers as % of population Rank in EU-27\*

N/A

0,40%

Innovation scoreboard (2008)

- 24th

- Below EU-27 average  
- Moderate Innovator  
Nr. of FP7 applicants



27*) and	(% EU-27*)	1.208	
	(0,45%)	266.507	
• requesting EUR 199,80m of EC contribution (0,23% of EU-27*)	Req. EC contribution by FP7 applicants in EUR million		
	(% EU-27*)	199,80	
	(0,23%)	88.295	
Among the EU-27* Lithuania (LT) ranks:	Nr. of successful FP7 applicants		
- 24th in terms of number of applicants and	(% EU-27*)	252	
- 24th in terms of requested EC contribution	(0,43%)	59.199	
<b>Success rates:</b>	Req. EC contribution by successful FP7 applicants in EUR million		
• The LT applicant success rate of 20,9% is similar to the EU-27* applicant success rate of 21,6%.	(% EU-27*)	31,78	
	(0,17%)	18.262,02	
• The LT EC financial contribution success rate of 15,9% is lower than the EU-27* rate of 20,7%.	Success rate FP7 applicants	20,9%	21,6%
	Success rate		
	FP7 EC contribution	15,9%	20,7%
	Nr. of FP7 grant holders		
	(% EU-27*)	209	
	(0,41%)	51.279	
	EC contribution to FP7 grant holders in EUR million		
	(% EU-27*)	25,23	
	(0,15%)	16.578,15	
	Nr. of FP7 coordinators		
	(% of grant holders)	8	
	(3,83%)	9.383	
	(18,30%)		
	Nr. of FP7 SME grant holders		
	(% grant holders)	36	
	(17,22%)	8.845	
	(17,25%)		
	EC contribution to FP7 SME grant holders in EUR million		
	(% of grant holders)	6,52	
	(25,83%)	2.207,73	
	(13,32%)		

Specifically, following evaluation and selection, a total of

- 196 proposals were retained for funding (19,9%)
- involving 252 (20,9%) successful applicants from Lithuania and
- requesting EUR 31,78m (15,9%) of EC financial contribution

Among the EU-27\*, Lithuania (LT) ranks:  
- 13th in terms of applicants success rate and  
- 13th in terms of EC financial contribution success rate

**Signed grant agreements**

As of 2011/03/16, Lithuania (LT) participates in

- 163 signed grant agreements
- involving 2.709 participants of which 209 (7,72%) are from Lithuania
- benefiting from a total of EUR 647,89m of EC financial contribution of which EUR 25,23m (3,89%) is dedicated to participants from Lithuania.

Among the EU-27\* in all FP7 signed grant agreements, Lithuania (LT) ranks:  
- 24th in number of participations and  
- 25th in budget share

**SME performance and participation**

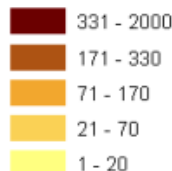
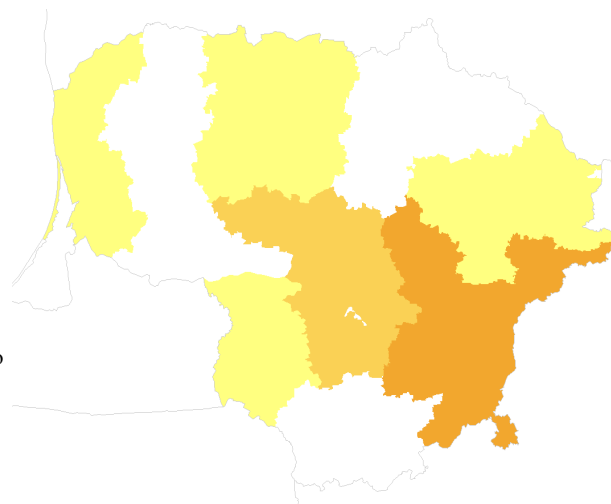
- The LT SME applicant success rate of 18,91% is similar to the EU-27\* SME applicant success rate of 19,33%.
- The LT SME EC financial contribution success rate of 14,64% is lower than the corresponding EU-27\* rate of 18,26%.

Specifically,

- 386 LT SME applicants requesting EUR 67,55m
- 73 (18,91%) successful SMEs requesting EUR 9,89m (14,64%)

In signed grant agreements, as of 2011/03/16,

- 36 LT SME grant holders, i.e., 17,22% of total LT participation



- EUR 6,52m, i.e., 25,83% of total LT budget share

**Top 3 collaborative links with:**

- UK - United Kingdom (249)
- DE - Germany (234)
- FR - France (212)

LT - Lithuania - most active FP7 research priority areas by number of applicants applying for the research projects						
FP7 priority area	Nr. of applicants	Requested EC contribution by applicants (M euro)	Nr. of mainlisted applicants	Success Rate (applicants)	Requested EC contribution by mainlisted applicants (M euro)	Success Rate (requested EC contribution)
Research for the benefit of SMEs	191	19,51	37	19,37 %	3,45	17,68 %
Information and Communication Technologies	150	32,30	14	9,33 %	1,96	6,08 %
Socio-economic sciences and Humanities	127	17,12	7	5,51 %	0,68	3,95 %
Marie-Curie Actions	102	n/a	42	41,18 %	n/a	n/a
Health	91	22,18	20	21,98 %	5,39	24,32 %
Transport (including Aeronautics)	76	13,69	18	23,68 %	1,32	9,64 %

LT - Lithuania - most active FP7 research priority areas by EC contribution granted to the research projects				
FP7 Priority Area	Number of grant holders	% of all LT grant holders	EC contribution (EUR million)	% of total EC contribution to LT
Energy	19	9,09%	3,99	15,81 %
Health	19	9,09%	3,90	15,45 %
Research for the benefit of SMEs	29	13,88%	3,74	14,84 %
Research Potential	4	1,91%	2,46	9,74 %
Information and Communication Technologies	18	8,61%	2,12	8,40 %
Marie-Curie Actions	24	11,48%	1,74	6,88 %

LT - Lithuania - participation in the FP7 research projects by organisation activity type									
Activity Type	Nr. of applicants	Requested EC contribution by applicants (M euro)	Nr. of mainlisted applicants	Success rate (applicants)	Requested EC contribution by mainlisted applicants (M euro)	Success rate (requested contribution)	Nr. of grant holders	EC contribution to grant holders	% of total EC contribution to grant holders
HES	565	78,48	111	19,65%	11,77	15,00%	93	10,84	42,98%
PRC	219	44,63	37	16,89%	7,04	15,76%	46	7,54	29,88%
REC	187	30,10	45	24,06%	5,68	18,85%	28	2,76	10,93%
PUB	99	12,59	38	38,38%	4,68	37,20%	37	3,62	14,33%
OTH	99	14,20	21	21,21%	2,61	18,38%	5	0,48	1,88%
SME	386	67,55	73	18,91%	9,89	14,64%	36	6,52	25,83%

HES - Higher or secondary education, PRC - Private for profit (excl. education), REC - Research organisations, PUB - Public body (excl. research and education), OTH - Others,

LT - Lithuania - the most active NUTS3 regions, by EC contribution granted to the FP7 research projects				
LT - Lithuania region	Number of grant holders	% of all LT - Lithuania grant holders	EC contribution (M euro)	% of total EC contribution to LT
Vilniaus apskritis (LT00A)	124	59,33%	14,36	56,91%
Kauno apskritis (LT002)	71	33,97%	9,16	36,31%
Klaipėdos apskritis (LT003)	9	4,31%	0,47	1,87%
Siauliu apskritis (LT006)	2	0,96%	0,14	0,54%

Utenos apskritis (LT009)	2	0,96%	1,10	4,36%
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LT - Lithuania - most active organisations in terms of EC contribution granted to the FP7 research projects				
Legal Name	Number of Participations	% of all LT grant holders	EC contribution (M euro)	% of total EC contribution to LT grant holders
VILNIAUS UNIVERSITETAS (VU)	29	13,88%	5,33	21,12%
KAUNO TECHNOLOGIJOS UNIVERSITETAS (KTU)	26	12,44%	2,88	11,42%
BIRSTONO SAVIVALDYNES TARYBA	1	0,48%	1,48	5,85%
UAB MODERNIOS E-TECHNOLOGIJOS	2	0,96%	1,10	4,36%
VALSTYBINIS MOKSLINIŲ TYRIMŲ INSTITUTAS FIZINIŲ IR TECHNOLOGIJOS MOKSLŲ CENTRAS (FTMC)	7	3,35%	0,97	3,85%

NOTES:

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FP7 proposal and application figures are valid as of the 2011/03/16

FP7 grant agreements and participation figures are valid as of the 2011/03/16

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\*\*E-STAT Reference year: 2007

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