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Brussels, 10 June 2011

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COVER NOTE

from: Secretary-General of the European Commission,
signed by Mr Jordi AYET PUIGARNAU, Director

date of receipt: 9 June 2011

to: Mr Pierre de BOISSIEU, Secretary-General of the Council of the European
Union

No Cion doc.: SEC(2011) 739 final Part 21/41

Subject: Commission Staff Working Paper on Innovation Union Competitiveness
report - 2011

Delegations will find attached Commission document SEC(2011) 739 final Part 21/41.

Encl.: SEC(2011) 739 final Part 21/41



EUROPEAN COMMISSION

Brussels, 8.6.2011
SEC(2011) 739 final

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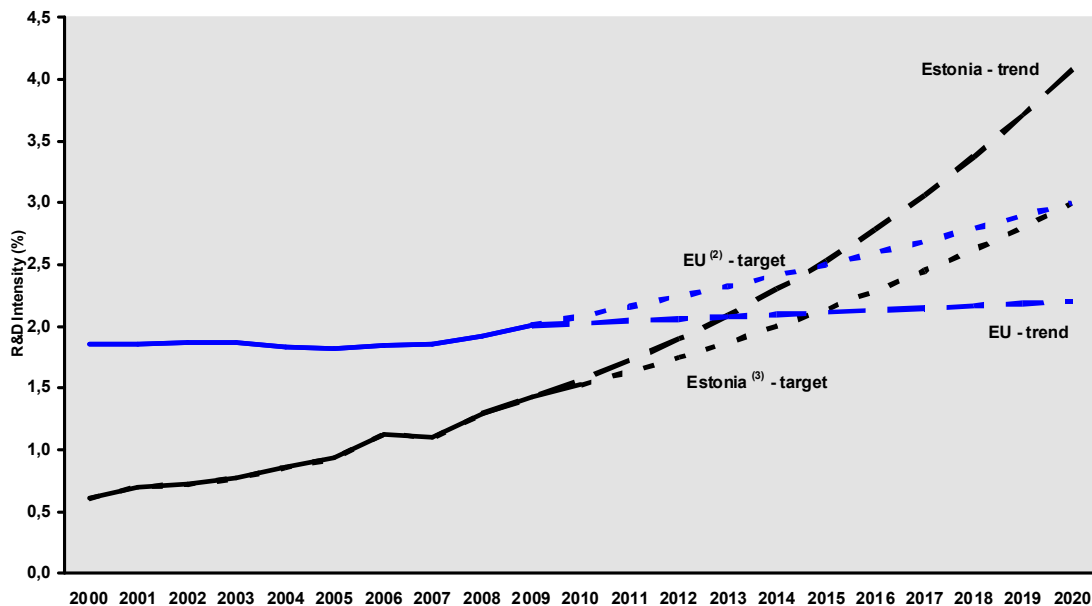
COMMISSION STAFF WORKING PAPER
Innovation Union Competitiveness report 2011

Progress towards meeting the Europe 2020 R&D intensity target

In the last decade, R&D intensity in Estonia increased from 0.60% of GDP in 2000 to 1.42% in 2009, i.e. an impressive annual average growth rate above 10%. It is to be noted that the latest increase in R&D intensity from 2008 to 2009 is mainly due to a crises-related drop in GDP whereas nominal R&D expenditure increased but slightly.

The R&D target for 2020 has been set to 3%. This is ambitious, but realistic in case business R&D will grow significantly. The target is supported e.g. by a political commitment to R&I, a relatively sound public finances and a temporary support provided by frontloaded (R&I focused) Structural funds and by continuous efforts to create competitive framework conditions for businesses.

Estonia - R&D Intensity projections, 2000-2020 ⁽¹⁾



Source: DG Research and Innovation

Innovation Union Competitiveness Report 2011

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 for 2000-2009.

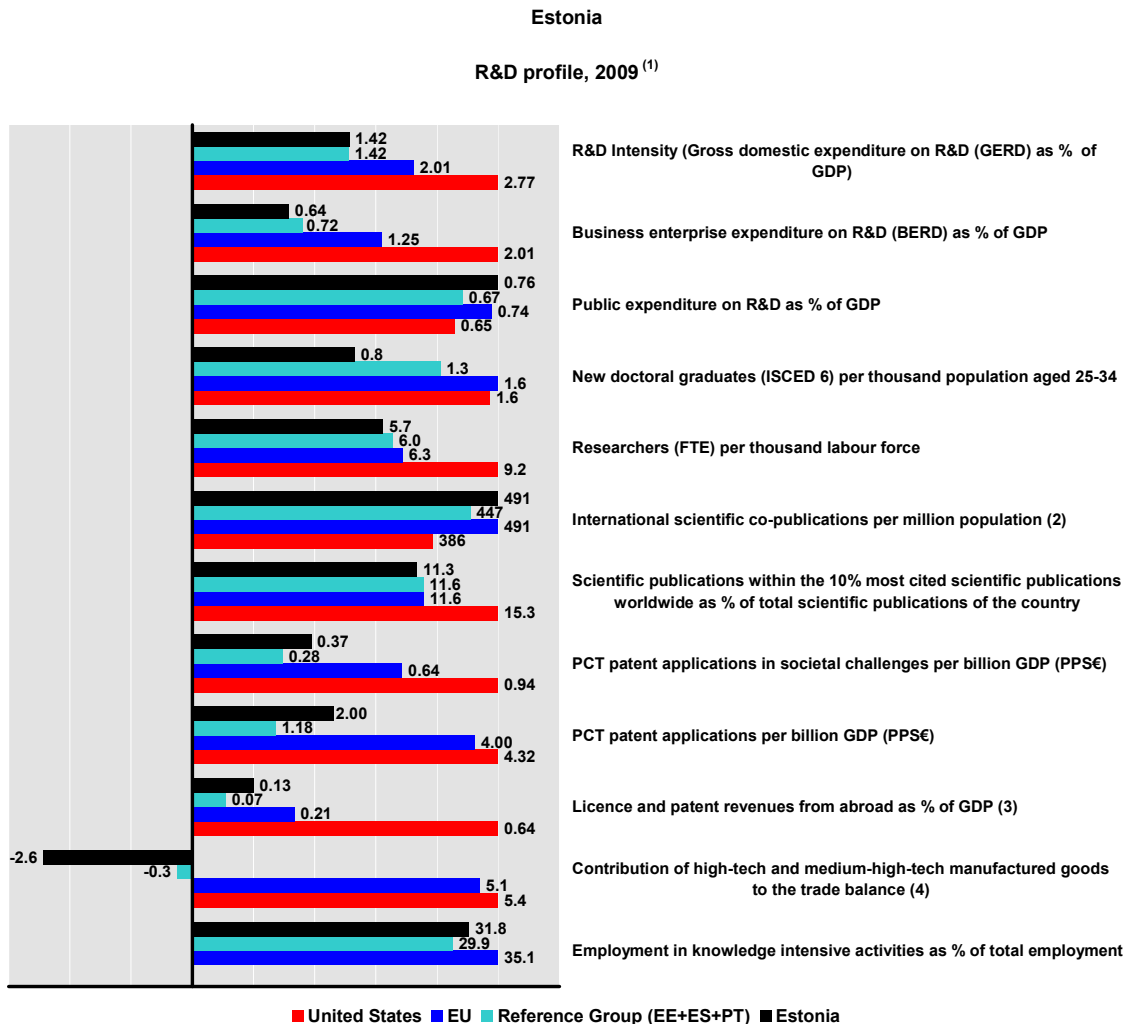
(2) EU: This projection is based on the R&D Intensity target of 3.0% for 2020.

(3) EE: This projection is based on a tentative R&D Intensity target of 3.0% for 2020.

Research and Innovation Performance

The Estonian research and innovation system is characterised by government sector dominated funding (about 50% of GERD, compared to the EU average of 33.5% in 2008) and

an important role of higher education institutions (especially universities) in performing research and innovation. Consequently, Estonia scores already at EU-average in scientific output measured by international scientific co-publications and equal its reference group in top cited publications.



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.

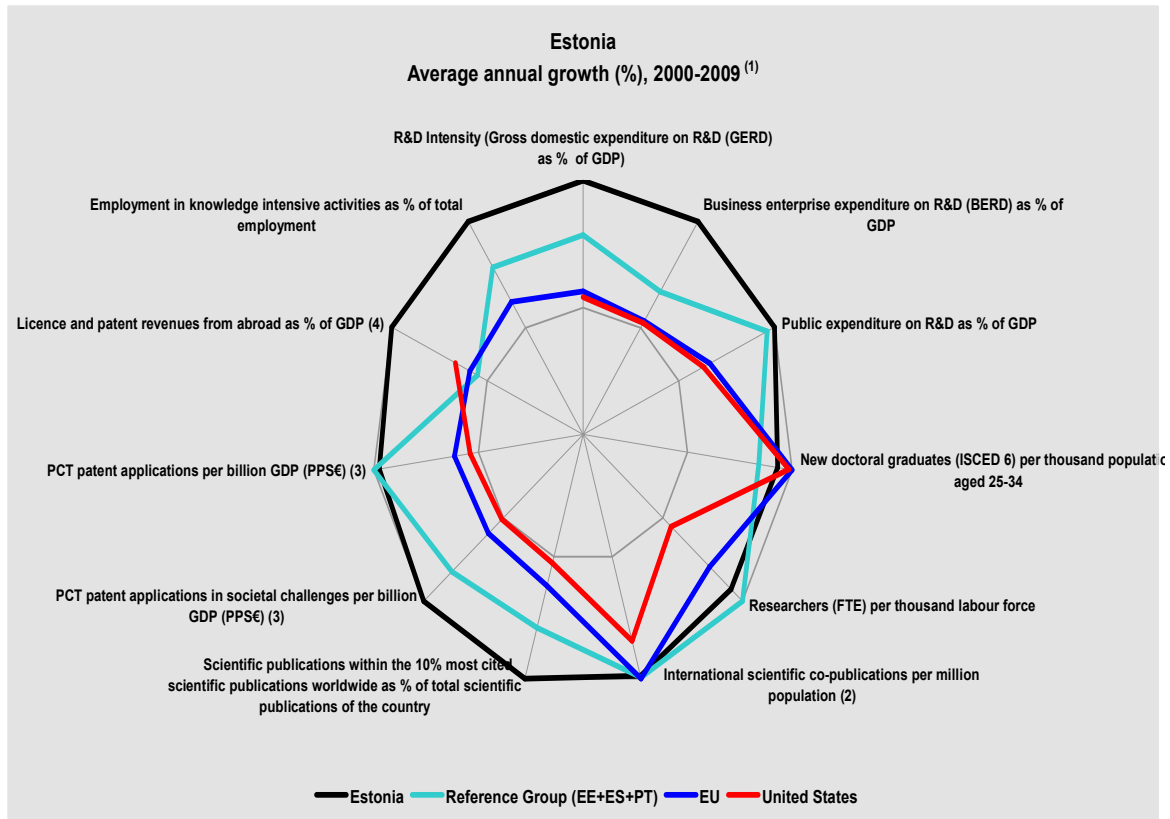
(4) (i) EU does not include BG, CY, LV, LT, MT, RO; (ii) EU refers to extra-EU.

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

Innovation Union Competitiveness Report 2011

The business sector has made constant progress, but the output measured in patents remains relatively modest in an EU comparison. Nevertheless, in dynamic terms Estonia has improved faster than its reference group during the last decade. Trade balance indicator however underlines that the Estonian manufacturing sector is not yet able to compete in high-tech goods. Improvement in the business-academia links may help improving the performance in

patenting and in median-high and high-tech production. A smart specialisation strategy might also help gaining a critical mass in some of these (sub)sectors.



Source: DG Research and Innovation

Innovation Union Competitiveness Report 2011

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

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

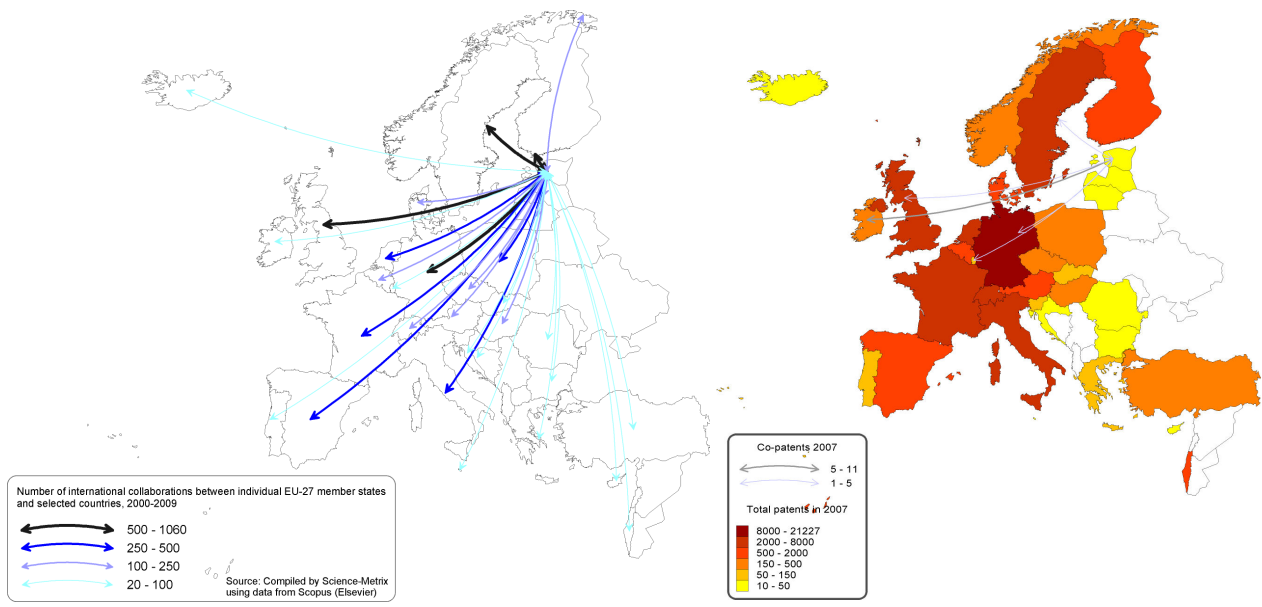
Estonia is a small and open economy with very limited resources and markets and dependent of external trade and internationalisation of research and innovation. Consequently, it has actively integrated to European research system. The Innovation Union Competitiveness

report illustrates several aspects of Estonian scientific and technological cooperation. European-wide maps illustrate that Estonia is already connected to the main nodes of European networks. The strongest links of the Estonian science and technology cooperation are with Germany, Sweden, Finland and the United Kingdom.

Internationalisation being such an important priority for Estonian research and innovation efforts, much of the future development will depend on how it succeeds to attract human resources and R&I intensive investments and firms from abroad. The R&D cooperation in the framework of Baltic sea strategy is in this regards an interesting opportunity for the country, that is currently making efforts to improve the level of R&D infrastructure closely linked to ESFRI plans and with the help of structural funds.

Co-publications between Estonia and European countries in 2000-2009

Co-invented patent applications between Estonia and European countries, 2007



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

FP7 Key facts and figures

Applications:

As of 26/10/2010, a total of

- 1.027 eligible proposals were submitted in response to 219 FP7 calls for proposals
- involving 1.216 applicants from Estonia (0,51% of EU-

**Nr. of Researchers as % of population

0,50% 0,40%

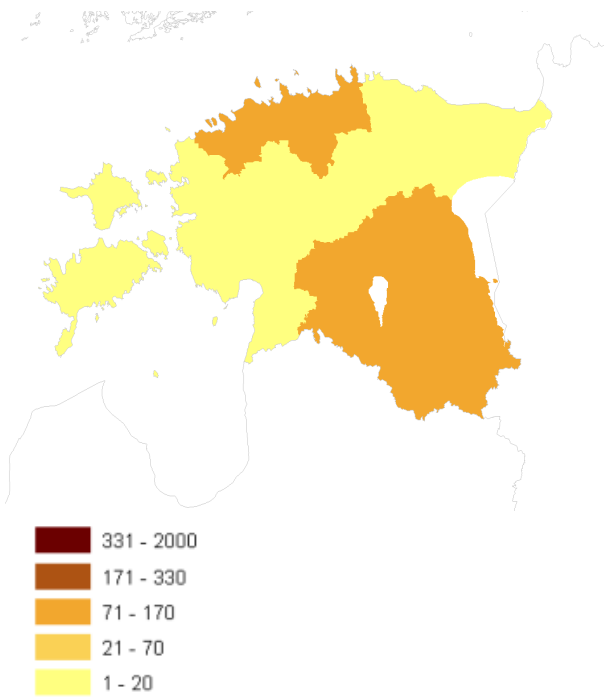
Rank in EU-27*
Innovation scoreboard (2008)

- 12th

- Above EU-27 average
- Innovation Follower

Overall review of EU Member States and Associated countries

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------------------------------------|------------------|--|---|------------------------------|--|--|----------------|--|--|----------------------------|--|---|-------|-------|---------------------|-------|-------|--|----------------|--|---|----------------------------|--|---|----------------|--|---|----------------|--|--|---------------------------|----------------------|
| <p>27*) and</p> <ul style="list-style-type: none"> requesting EUR 251,44m of EC contribution (0,32% of EU-27*) <p>Among the EU-27* Estonia (EE) ranks:</p> <ul style="list-style-type: none"> - 23rd in terms of number of applicants and - 23rd in terms of requested EC contribution <p>Success rates:</p> <ul style="list-style-type: none"> The EE applicant success rate of 23,7% is higher than the EU-27* applicant success rate of 21,9%. The EE EC financial contribution success rate of 18,5% is lower than the EU-27* rate of 20,9%. <p>Specifically, following evaluation and selection, a total of</p> <ul style="list-style-type: none"> 252 proposals were retained for funding (24,5%) involving 288 (23,7%) successful applicants from Estonia and requesting EUR 46,61m (18,5%) of EC financial contribution <p>Among the EU-27*, Estonia (EE) ranks:</p> <ul style="list-style-type: none"> - 10th in terms of applicants success rate and - 11th in terms of EC financial contribution success rate <p>Signed grant agreements As of 26/10/2010, Estonia (EE) participates in</p> <ul style="list-style-type: none"> 199 signed grant agreements involving 2.744 participants of which 229 (8,35%) are from Estonia benefiting from a total of EUR 634,74m of EC financial contribution of which EUR 39,81m (6,27%) is dedicated to participants from Estonia. <p>Among the EU-27* in all FP7 signed grant agreements, Estonia (EE) ranks:</p> <ul style="list-style-type: none"> - 21st in number of participations and - 22nd in budget share <p>SME performance and participation</p> <ul style="list-style-type: none"> The EE SME applicant success rate of 18,99% is similar to the EU-27* SME applicant success rate of 19,42%. The EE SME EC financial contribution success rate of 14,54% is lower than the corresponding EU-27* rate of 18,28%. <p>Specifically,</p> <ul style="list-style-type: none"> 495 EE SME applicants requesting EUR 100,54m 94 (18,99%) successful SMEs requesting EUR 14,62m (14,54%) <p>In signed grant agreements, as of 26/10/2010,</p> <ul style="list-style-type: none"> 69 EE SME grant holders, i.e., 30,13% of total EE participation | <table border="0"> <tr> <td>Nr. of FP7 applicants (% EU-27*)</td> <td style="text-align: right;">1.216 (0,51%)</td> <td></td> </tr> <tr> <td>Req. EC contribution by FP7 applicants in EUR million (% EU-27*)</td> <td style="text-align: right;">237.592 251,44 (0,32%)</td> <td></td> </tr> <tr> <td>Nr. of successful FP7 applicants (% EU-27*)</td> <td style="text-align: right;">288 (0,54%)</td> <td></td> </tr> <tr> <td>Req. EC contribution by successful FP7 applicants in EUR million (% EU-27*)</td> <td style="text-align: right;">53.276 46,61 (0,29%)</td> <td></td> </tr> <tr> <td>Success rate FP7 applicants Success rate</td> <td style="text-align: right;">23,7%</td> <td style="text-align: right;">21,9%</td> </tr> <tr> <td>FP7 EC contribution</td> <td style="text-align: right;">18,5%</td> <td style="text-align: right;">20,9%</td> </tr> <tr> <td>Nr. of FP7 grant holders (% EU-27*)</td> <td style="text-align: right;">229 (0,52%)</td> <td></td> </tr> <tr> <td>EC contribution to FP7 grant holders in EUR million (% EU-27*)</td> <td style="text-align: right;">43.650 39,81 (0,28%)</td> <td></td> </tr> <tr> <td>Nr. of FP7 coordinators (% of grant holders)</td> <td style="text-align: right;">28 (12,23%)</td> <td></td> </tr> <tr> <td>Nr. of FP7 SME grant holders (% grant holders)</td> <td style="text-align: right;">69 (30,13%)</td> <td></td> </tr> <tr> <td>EC contribution to FP7 SME grant holders in EUR million (% of grant holders)</td> <td style="text-align: right;">7.914 9,93 (24,96%)</td> <td style="text-align: right;">2.060,08 (14,58%)</td> </tr> </table> | Nr. of FP7 applicants (% EU-27*) | 1.216 (0,51%) | | Req. EC contribution by FP7 applicants in EUR million (% EU-27*) | 237.592 251,44 (0,32%) | | Nr. of successful FP7 applicants (% EU-27*) | 288 (0,54%) | | Req. EC contribution by successful FP7 applicants in EUR million (% EU-27*) | 53.276 46,61 (0,29%) | | Success rate FP7 applicants Success rate | 23,7% | 21,9% | FP7 EC contribution | 18,5% | 20,9% | Nr. of FP7 grant holders (% EU-27*) | 229 (0,52%) | | EC contribution to FP7 grant holders in EUR million (% EU-27*) | 43.650 39,81 (0,28%) | | Nr. of FP7 coordinators (% of grant holders) | 28 (12,23%) | | Nr. of FP7 SME grant holders (% grant holders) | 69 (30,13%) | | EC contribution to FP7 SME grant holders in EUR million (% of grant holders) | 7.914 9,93 (24,96%) | 2.060,08 (14,58%) |
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Overall review of EU Member States and Associated countries

- EUR 9,93m, i.e., 24,96% of total EE budget share

Top 3 collaborative links with:

- UK - United Kingdom (243)
- DE - Germany (228)
- IT - Italy (180)

| EE - Estonia - 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 | 213 | 31,03 | 53 | 24,88 % | 6,30 | 20,30 % |
| Health | 159 | 47,00 | 32 | 20,13 % | 6,84 | 14,55 % |
| Socio-economic sciences and Humanities | 143 | 19,98 | 23 | 16,08 % | 2,71 | 13,56 % |
| Information and Communication Technologies | 139 | 34,92 | 20 | 14,39 % | 4,41 | 12,64 % |
| Marie-Curie Actions | 92 | n/a | 27 | 29,35 % | n/a | n/a |
| Science in Society | 80 | 8,33 | 30 | 37,50 % | 2,56 | 30,68 % |

| EE - Estonia - most active FP7 research priority areas by EC contribution granted to the research projects | | | | |
|--|-------------------------|---------------------------|-------------------------------|----------------------------------|
| FP7 Priority Area | Number of grant holders | % of all EE grant holders | EC contribution (EUR million) | % of total EC contribution to EE |
| Research Potential | 7 | 3,06% | 7,27 | 18,27 % |
| Health | 32 | 13,97% | 6,11 | 15,35 % |
| Marie-Curie Actions | 22 | 9,61% | 4,71 | 11,84 % |
| Research for the benefit of SMEs | 41 | 17,90% | 4,61 | 11,58 % |
| Information and Communication Technologies | 19 | 8,30% | 4,12 | 10,35 % |
| Transport (including Aeronautics) | 9 | 3,93% | 3,00 | 7,53 % |

| EE - Estonia - 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 | 507 | 105,51 | 106 | 20,91% | 20,34 | 19,27% | 77 | 18,64 | 46,82% |
| PRC | 357 | 71,69 | 68 | 19,05% | 10,37 | 14,46% | 67 | 9,32 | 23,42% |
| REC | 133 | 20,40 | 37 | 27,82% | 5,44 | 26,68% | 34 | 5,14 | 12,90% |
| OTH | 116 | 17,32 | 40 | 34,48% | 4,35 | 25,11% | 35 | 5,52 | 13,86% |
| PUB | 89 | 15,71 | 35 | 39,33% | 5,53 | 35,22% | 16 | 1,19 | 3,00% |
| SME | 495 | 100,54 | 94 | 18,99% | 14,62 | 14,54% | 69 | 9,93 | 24,96% |

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

| EE - Estonia - the most active NUTS3 regions, by EC contribution granted to the FP7 research projects | | | | |
|---|-------------------------|-------------------------------------|--------------------------|----------------------------------|
| EE - Estonia region | Number of grant holders | % of all EE - Estonia grant holders | EC contribution (M euro) | % of total EC contribution to EE |
| PTμhja-Eesti (EE001) | 132 | 57,64% | 21,09 | 52,97% |
| LGμuna-Eesti (EE008) | 90 | 39,30% | 18,05 | 45,34% |
| Kesk-Eesti (EE006) | 3 | 1,31% | 0,33 | 0,84% |
| LGΓone-Eesti (EE004) | 1 | 0,44% | 0,06 | 0,16% |

Overall review of EU Member States and Associated countries

| | | | | |
|---------------------|---|-------|------|-------|
| Kirde-Eesti (EE007) | 1 | 0,44% | 0,15 | 0,38% |
|---------------------|---|-------|------|-------|

| EE - Estonia - most active organisations in terms of EC contribution granted to the FP7 research projects | | | | |
|---|--------------------------|---------------------------|--------------------------|--|
| Legal Name | Number of Participations | % of all EE grant holders | EC contribution (M euro) | % of total EC contribution to EE grant holders |
| TARTU ULIKOOL (UT) | 45 | 19,65% | 9,87 | 24,78% |
| TALLINNA TEHNIKAULIKOOL | 16 | 6,99% | 4,43 | 11,13% |
| SIHTASUTUS ARCHIMEDES (ARCHIMEDES) | 17 | 7,42% | 2,35 | 5,89% |
| TALLINN UNIVERSITY | 5 | 2,18% | 2,14 | 5,38% |
| SIHTASUTUS EESTI TEADUSFOND (ETF) | 5 | 2,18% | 1,98 | 4,96% |

NOTES:

Report generated on: 2011/02/03,08:31 AM

FP7 proposal and application figures are valid as of the 26/10/2010

FP7 grant agreements and participation figures are valid as of the 26/10/2010

*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](#)



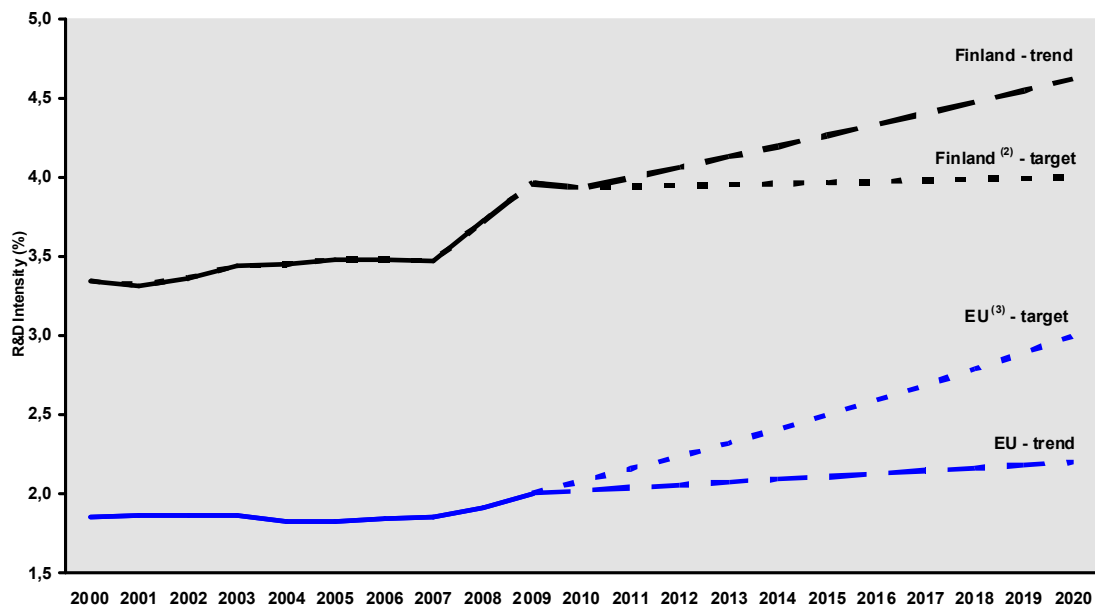
COUNTRY PROFILE
FI - Finland



Progress towards meeting the Europe 2020 R&D intensity target

R&D intensity in 2009 rose to 3.93%, very close to the 4% target, and confirmed once again the front leading position of Finland in terms of R&D investments. Public R&D in 2009 increased up to 1.11% and somehow compensated for the slight decrease of private R&D that resulted after the financial and economic downturn of the last couple of years. Nevertheless, private R&D still remains strong in the country at 2.79%. The R&D target for 2020 has been set at 4%, a value very close to the existing R&D intensity. While the continuation of the recent R&D growth trend would suggest the possibility of a more ambitious target, it should be noted that Finland faces a structural and acute challenge to raise further R&D investment, as great part of private sector investment is concentrated in one sector, i.e. ICT, and around one company, Nokia. A widely shared view in Finland is that investing in R&I is necessary for competitiveness and productivity growth, and consequently a general commitment to moderately increase public R&D funding is expected in the future. This could be combined with efforts to further improve framework conditions for fast growing innovative firms, also beyond ICT, in emerging user driven sectors including in services, in order to help the diversification of the economy building on the strong knowledge base assets of Finland. The recent review for 2011-2015 Research and Innovation policy guidelines of the Prime Minister led Research and Innovation Council raised the public funding, while ensuring the effectiveness of the public investments and a simplification of the R&I system.

Finland - R&D Intensity projections, 2000-2020 ⁽¹⁾



Source: DG Research and Innovation

Innovation Union Competitiveness Report 2011

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 for 2000-2009 in the case of the EU and for 2000-2010 in the case of Finland.

(2) FI: This projection is based on a tentative R&D Intensity target of 4.0% for 2020.

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

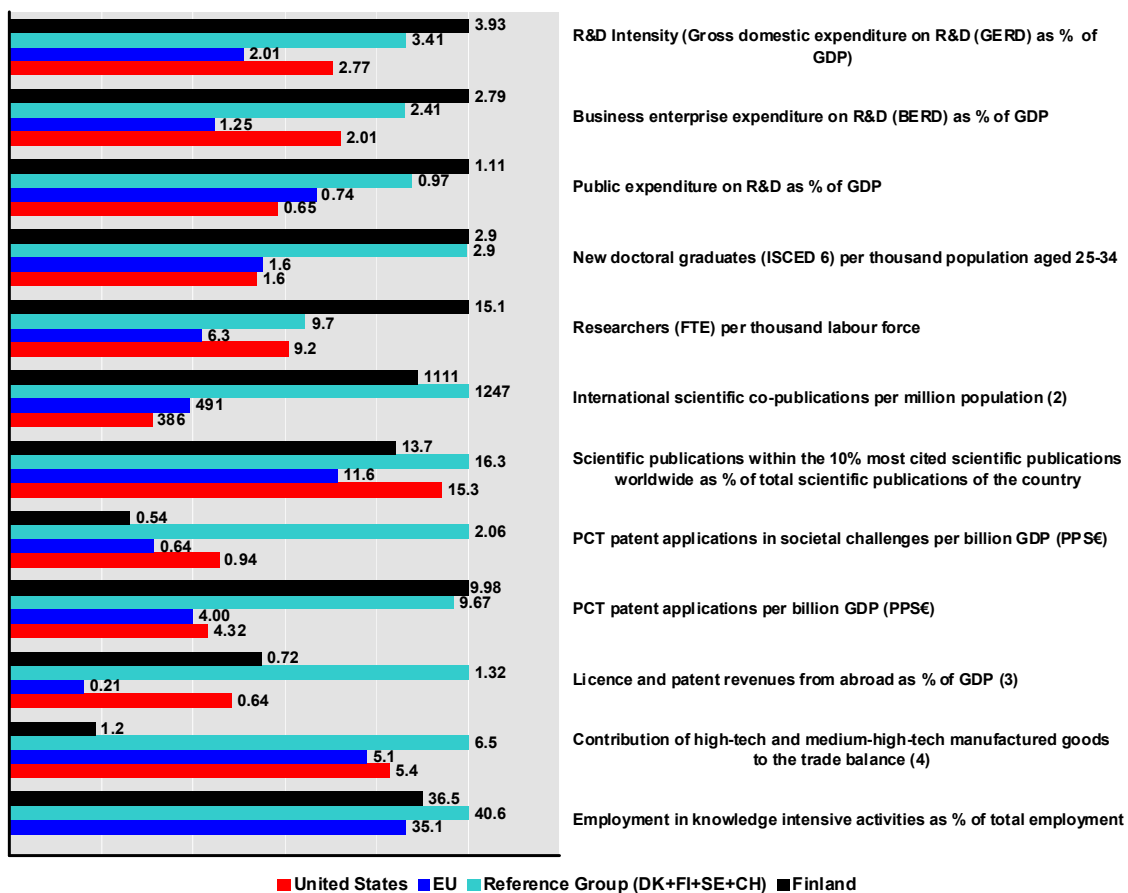
Research and Innovation Performance

The Finnish research and innovation (R&I) system is characterised by a strong commitment both from the public and private sectors to increase R&I and education investments. Finland is leading in terms of R&D intensity and human resources. A distinctive characteristic is the

high dependency of the system on one company, Nokia that accounts for nearly 50% of the total business sector R&D investments, that in turn accounts for 71% of the total R&D investment. The large R&D investments and favourable framework condition in terms of macroeconomic stability and relatively high access to venture capital result in important scientific and technological outputs. Finland scores well above the EU average in terms of high quality scientific publications, patents and their contribution to a knowledge-base economy.

Finland

R&D profile, 2009⁽¹⁾



Source: DG Research and Innovation

Innovation Union Competitiveness Report 2011

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

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

(2) (i) The EU value refers to the median rather than to the average; (ii) CH is not included in the Reference Group.

(3) EU refers to extra-EU.

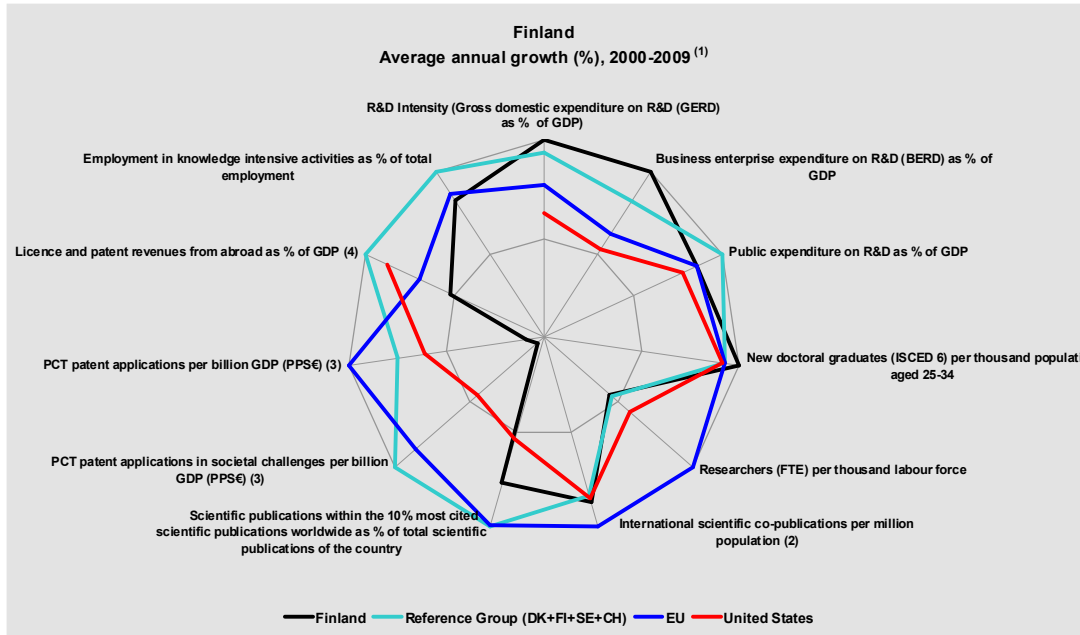
(4) (i) EU does not include BG, CY, LV, LT, MT, RO; (ii) EU refers to extra-EU; (iii) CH is not included in the Reference Group.

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

In dynamic terms, in the last decade Finland has outperformed the EU, the United States and other highly knowledge-intensive countries in Europe in terms of private and public R&D investments and the share of new doctoral graduates. However, this rosy picture in terms of increasing input does not find its immediate translation in terms of growth in scientific and

technological output, especially in terms of patents, where the country seems to lose ground vis-à-vis these reference countries.

This relative weaker growth performance may evidence some areas where the efficiency of the system to translate high R&D investments into high quality scientific and technological output and economic activity could be improved. In this sense, the recent review of the 2011-2015 Research and Innovation policy guidelines of the Prime Minister draw the attention to the need of boosting the effectiveness of public investments.



Source: DG Research and Innovation

Innovation Union Competitiveness Report 2011

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

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) (i) The EU-27 value refers to the median rather than to the average; (ii) CH is not included in the Reference Group.

(3) Average annual growth refers to real growth.

(4) EU refers to extra-EU.

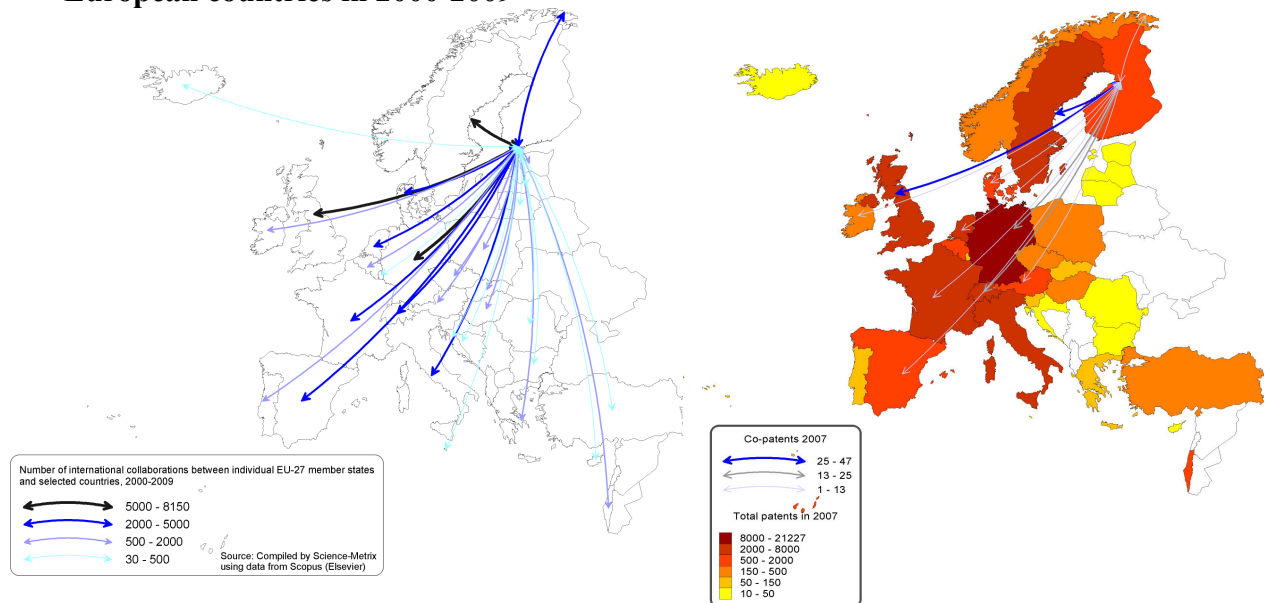
(5) Elements of estimation were involved in the compilation of the data.

Participation in the European Research Area: Scientific and Technological collaborations

Finland is a small economy with limited resources and markets, dependent of external trade and internationalisation of R&I. Alongside internal reforms, the efficiency of the research system is being strengthened by an opening up and integration into the European research system. The integration towards other R&I relevant European organisations and scientific networks is improving.

The Innovation Union Competitiveness report illustrates several aspects of scientific and technological cooperation. European-wide maps illustrate that Finland is connected to the main nodes of the networks, which are located in major research-intensive countries of Western and Central Europe. The strongest links of the Finnish science and technology cooperation are with the main EU trade partners especially Germany, Sweden and the United Kingdom, but some cooperation is also visible with Southern and Eastern European countries. More generally, Finnish researchers are integrating in the international scientific knowledge flows as evidenced by the international co-publications including cooperation with the United States and Asia. However, despite being among the scientific and technological leaders in Europe, Finland's internationalisation in science and technology still remains behind the reference group including Sweden, Denmark and Switzerland, notably in terms of technological cooperation. This may signal an untapped potential for progress that could benefit future competitiveness and growth of the country.

Co-publications between Finland and European countries in 2000-2009



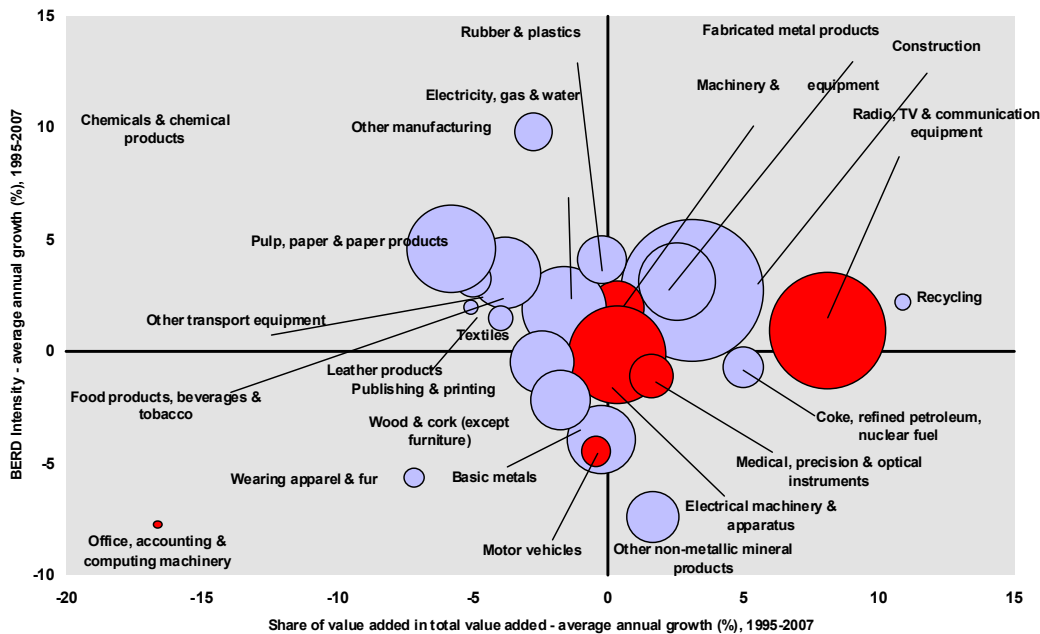
Source: DG Research and Innovation
Data: Scopus/ Science Metrix and Eurostat

Structural change towards more knowledge-intensive economy

In the last fifteen year, Finland has become a research intensive economy, with an important increase in terms of private R&D investments. The development of Nokia has led the High-tech ICT cluster to dominate the Finnish economy. ICT related growth has to some extent overshadowed the development of prior traditional sectors, such as Machinery and Equipment, which have however managed to increase their R&D intensity, measured as the share of R&D investment over total value added. Large sectors such as Construction and Fabricated metal products have demonstrated their capacity to raise their R&D intensity and to translate this in additional growth. The Pulp and Paper sector might get similar benefits over the years to come. However, it is widely acknowledged in Finland that the emergence of new R&I intensive sectors and growth companies are crucial for the future well-being of the country. In this regard, Finland expects also service innovations and design to play a significant role. Conversations on how to foster this structural change are currently ongoing among major national stakeholders.

Overall review of EU Member States and Associated countries

Finland - Share of value added versus BERD Intensity - average annual growth, 1995-2007



Source: DG Research and Innovation

Innovation Union Competitiveness Report 2011

Data: OECD

Notes: (1) High-Tech and Medium-High-Tech sectors are shown in red. 'Other transport equipment' includes High-Tech, Medium-High-Tech and Medium-Low-Tech.

(2) 'Chemicals and chemical products' is not visible on the graph.

FP7 Key facts and figures

Applications:

As of 2011/03/16, a total of

- 4.425 eligible proposals were submitted in response to 248 FP7 calls for proposals
- involving 6.117 applicants from Finland (2,30% of EU-27*) and
- requesting EUR 2.364,28m of EC contribution (2,68% of EU-27*)

Among the EU-27* Finland (FI) ranks:

- 12th in terms of number of applicants and
- 11th in terms of requested EC contribution

Success rates:

- The FI applicant success rate of 23,1% is higher than the EU-27* applicant success rate of 21,6%.
- The FI EC financial contribution success rate of 21,3%

| | | |
|---|-----------|-------|
| **Nr. of Researchers as % of population | N/A | 0,40% |
| Rank in EU-27* | | |
| Innovation scoreboard (2008) | - 2nd | |
| - Above EU-27 average | | |
| - Innovation Leader | | |
| Nr. of FP7 applicants (% EU-27*) | 6.117 | |
| (2,30%) | 266.507 | |
| Req. EC contribution by FP7 applicants in EUR million (% EU-27*) | 2.364,28 | |
| (2,68%) | 88.295 | |
| Nr. of successful FP7 applicants (% EU-27*) | 1.415 | |
| (2,39%) | 59.199 | |
| Req. EC contribution by successful FP7 applicants in EUR million (% EU-27*) | 503,47 | |
| (2,76%) | 18.262,02 | |
| Success rate FP7 applicants | 23,1% | 21,6% |

Overall review of EU Member States and Associated countries

is similar to the EU-27* rate of 20,7%.

Specifically, following evaluation and selection, a total of

- 986 proposals were retained for funding (22,3%)
- involving 1.415 (23,1%) successful applicants from Finland and
- requesting EUR 503,47m (21,3%) of EC financial contribution

Among the EU-27*, Finland (FI) ranks:

- 9th in terms of applicants success rate and
- 8th in terms of EC financial contribution success rate

Signed grant agreements

As of 2011/03/16, Finland (FI) participates in

- 851 signed grant agreements
- involving 11.429 participants of which 1.271 (11,12%) are from Finland
- benefiting from a total of EUR 3.264,07m of EC financial contribution of which EUR 432,01m (13,24%) is dedicated to participants from Finland.

Among the EU-27* in all FP7 signed grant agreements, Finland (FI) ranks:

- 11th in number of participations and
- 11th in budget share

SME performance and participation

- The FI SME applicant success rate of 21,88% is higher than the EU-27* SME applicant success rate of 19,33%.
- The FI SME EC financial contribution success rate of 22,78% is higher than the corresponding EU-27* rate of 18,26%.

Specifically,

- 1.161 FI SME applicants requesting EUR 299,99m
- 254 (21,88%) successful SMEs requesting EUR 68,33m (22,78%)

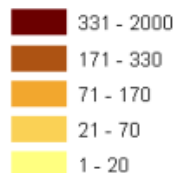
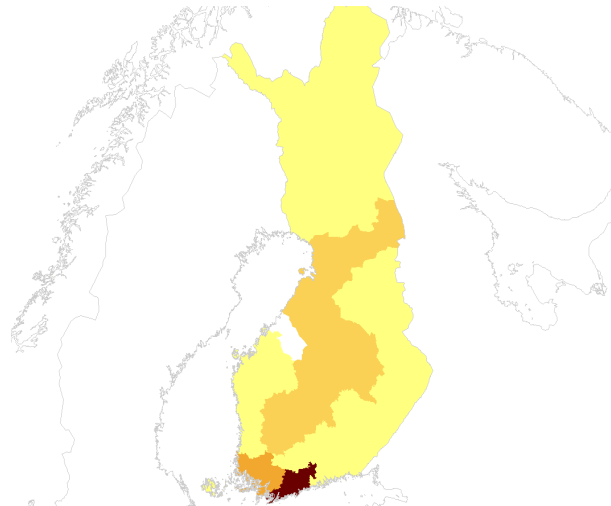
In signed grant agreements, as of 2011/03/16,

- 163 FI SME grant holders, i.e., 12,82% of total FI participation
- EUR 39,15m, i.e., 9,06% of total FI budget share

Top 3 collaborative links with:

- DE - Germany (1.550)
- UK - United Kingdom (1.091)
- FR - France (985)

| | | |
|--|-----------|-------|
| Success rate | | |
| FP7 EC contribution | 21,3% | 20,7% |
| Nr. of FP7 grant holders (% EU-27*) | 1.271 | |
| (2,48%) | 51.279 | |
| EC contribution to FP7 grant holders in EUR million (% EU-27*) | 432,01 | |
| (2,61%) | 16.578,15 | |
| Nr. of FP7 coordinators (% of grant holders) | 185 | |
| (14,56%) | 9.383 | |
| (18,30%) | | |
| Nr. of FP7 SME grant holders (% grant holders) | 163 | |
| (12,82%) | 8.845 | |
| (17,25%) | | |
| EC contribution to FP7 SME grant holders in EUR million (% of grant holders) | 39,15 | |
| (9,06%) | 2.207,73 | |
| (13,32%) | | |



| FI - Finland - most active FP7 research priority areas by number of applicants applying for the research projects | | | | | | |
|---|-------------------|--------------|-------------------|--------------|--------------|--------------------------|
| FP7 priority area | Nr. of applicants | Requested EC | Nr. of mainlisted | Success Rate | Requested EC | Success Rate (requested) |

Overall review of EU Member States and Associated countries

| | | contribution by applicants (M euro) | applicants | (applicants) | contribution by mainlisted applicants (M euro) | EC contribution) |
|--|-------|-------------------------------------|------------|--------------|--|------------------|
| Information and Communication Technologies | 1.527 | 635,58 | 263 | 17,22 % | 104,19 | 16,39 % |
| Marie-Curie Actions | 607 | n/a | 142 | 23,39 % | n/a | n/a |
| Health | 531 | 260,91 | 130 | 24,48 % | 58,26 | 22,33 % |
| Socio-economic sciences and Humanities | 375 | 95,88 | 38 | 10,13 % | 14,80 | 15,44 % |
| Research for the benefit of SMEs | 365 | 45,99 | 79 | 21,64 % | 9,71 | 21,11 % |
| Food, Agriculture and Fisheries, and Biotechnology | 362 | 125,91 | 80 | 22,10 % | 26,10 | 20,73 % |

| FI - Finland - most active FP7 research priority areas by EC contribution granted to the research projects | | | | |
|--|-------------------------|---------------------------|-------------------------------|----------------------------------|
| FP7 Priority Area | Number of grant holders | % of all FI grant holders | EC contribution (EUR million) | % of total EC contribution to FI |
| Information and Communication Technologies | 278 | 21,87% | 90,11 | 20,86 % |
| Health | 125 | 9,83% | 55,23 | 12,79 % |
| Nanosciences, Nanotechnologies, Materials and new Production Technologies - NMP | 124 | 9,76% | 47,56 | 11,01 % |
| ERC | 32 | 2,52% | 46,53 | 10,77 % |
| Energy | 53 | 4,17% | 28,17 | 6,52 % |
| Food, Agriculture and Fisheries, and Biotechnology | 68 | 5,35% | 24,27 | 5,62 % |

| FI - Finland - 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 | 2.464 | 746,08 | 475 | 19,28% | 131,77 | 17,66% | 461 | 168,94 | 39,11% |
| REC | 1.589 | 656,30 | 440 | 27,69% | 178,45 | 27,19% | 421 | 169,26 | 39,18% |
| PRC | 1.291 | 340,07 | 321 | 24,86% | 93,47 | 27,49% | 294 | 78,28 | 18,12% |
| PUB | 253 | 44,57 | 90 | 35,57% | 16,24 | 36,43% | 50 | 6,06 | 1,40% |
| OTH | 228 | 62,23 | 57 | 25,00% | 25,36 | 40,74% | 45 | 9,47 | 2,19% |
| SME | 1.161 | 299,99 | 254 | 21,88% | 68,33 | 22,78% | 163 | 39,15 | 9,06% |

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

| FI - Finland - the most active NUTS3 regions, by EC contribution granted to the FP7 research projects | | | | |
|---|-------------------------|-------------------------------------|--------------------------|----------------------------------|
| FI - Finland region | Number of grant holders | % of all FI - Finland grant holders | EC contribution (M euro) | % of total EC contribution to FI |
| Uusimaa (FI181) | 848 | 66,72% | 316,12 | 73,17% |
| Varsinais-Suomi (FI183) | 96 | 7,55% | 29,19 | 6,76% |
| Pirkanmaa (FI197) | 80 | 6,29% | 27,15 | 6,29% |
| Pohjois-Pohjanmaa (FI1A2) | 61 | 4,80% | 17,71 | 4,10% |
| Pohjois-Savo (FI132) | 42 | 3,30% | 11,69 | 2,71% |

| FI - Finland - most active organisations in terms of EC contribution granted to the FP7 research projects | | | | |
|---|--------------------------|---------------------------|--------------------------|--|
| Legal Name | Number of Participations | % of all FI grant holders | EC contribution (M euro) | % of total EC contribution to FI grant holders |
| TEKNOLOGIAN TUTKIMUSKESKUS VTT (VTT) | 215 | 16,92% | 100,40 | 23,24% |
| HELSINGIN YLIOPISTO | 125 | 9,83% | 59,79 | 13,84% |
| AALTO-KORKEAKOULUSAATIO | 99 | 7,79% | 33,17 | 7,68% |
| TURUN YLIOPISTO | 50 | 3,93% | 17,76 | 4,11% |

Overall review of EU Member States and Associated countries

| | | | | |
|-----------------|----|-------|-------|-------|
| OULUN YLIOPISTO | 39 | 3,07% | 14,05 | 3,25% |
|-----------------|----|-------|-------|-------|

NOTES:

Report generated on: 2011/03/25,04:38 PM

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](#)
