

LITHUANIA & INNOHEIS

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MINISTRY
OF EDUCATION,
SCIENCE
AND SPORT
OF THE REPUBLIC OF LITHUANIA

Lithuanian RDI: Facts & Figures

LITHUANIAN RDI: FACTS & FIGURES

Universities:

- state 12
- private 7

Colleges:

- state 12
- private 10

Research institutes:

- state 13
- private 8

Researchers

- total 18 379
- PhDs 8 160

PhD Graduates:

300-400/
annually

Researchers In business:

22,9%

Investment in R&D by sources of financing

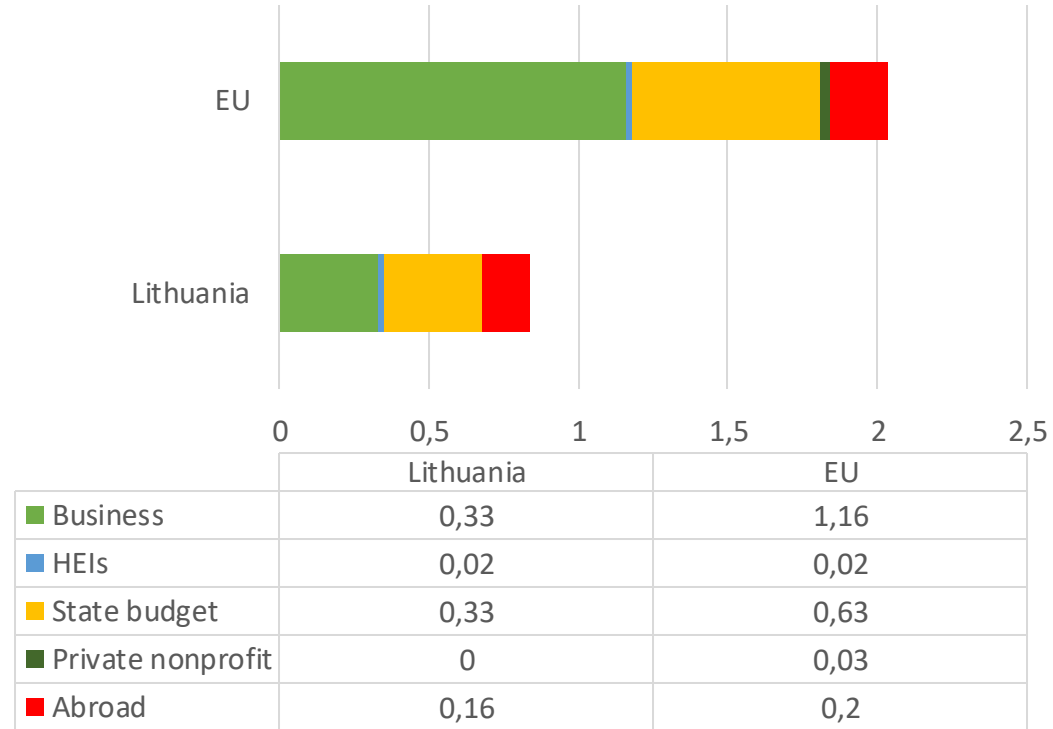
The indicator shows the determination to invest into the constantly risky R&D activities.

Lithuania's investment in the priority R&D area is just 41 percent of the EU average spending on R&D (2016):

- Lithuania - 0,84 % from GDP,
- EU average – 2,04 % from GDP.

- The biggest difference by sources of R&D funding:
- the share of the state budget in R&D is almost **2 times lower** than the EU average
 - Lithuanian business sector spends almost **4 times less** (as a percentage of GDP) on R&D than the EU average

R&D expenditure by source of funds (% from GDP, 2016)



The sector's capacity to carry out R&D activities

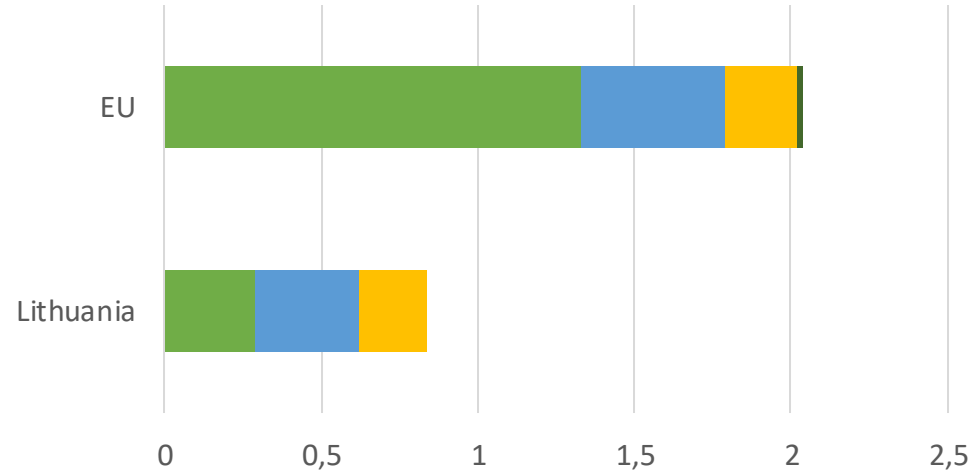
R&D expenditure per certain sector (sector of performance) – this indicator enables the assesment of internal capacities of the sectors (researchers, infrastructure, etc.) to carry out R&D activities.

Lithuania's situation:

- R&D spending of all sectors through research institutes (under 'government') equals EU average
- R&D spending in the HEIs sector is also relatively close to the EU average
- R&D activity in the business sector is more than 4 times lower than the EU average

A big part of Lithuania's potential is based in HEIs and research institutes.

R&D expenditure per certain sector
(% from GDP, 2016)



	Lithuania	EU
■ Business	0,29	1,33
■ HEIs	0,33	0,46
■ Government	0,22	0,23
■ Private nonprofit	0	0,02

Contribution of HEIs for state development



01

Strong contribution for the biotechnology sector



02

CRISPR-Cas9 technology development



03

First European Research Council Advanced Grant



04

iGEM award for Vilnius University students

A black and white photograph of three young people looking upwards and to the right. The person in the foreground is a young woman with long hair, looking intently. Behind her is a young man, and further back is another young woman. The image has a soft, slightly blurred quality. In the top left corner, there is a solid green horizontal bar. Overlaid on the left side of the image is the text 'Role of the Ministry of Science, Education and Sport' in a bold, sans-serif font. The words 'Ministry of Science, Education and Sport' are in green, while 'Role of the' is in a dark grey color.

Role of the Ministry of Science, Education and Sport

MINISTRY OF EDUCATION, SCIENCE AND SPORT

Implementation of the state policy of science and studies

Formation of state policy in the field of R&D

Project financing, allocation of appropriations for the HEIs, research institutes

Control of research institute assessment

MINISTRY OF EDUCATION, SCIENCE AND SPORT (II)

Together with the *Ministry of Economy and Innovation* we are the main institutions responsible for the formation of RDI policy in Lithuania

RDI policy

Legal basis of the R&D Policy

LAW ON SCIENCE AND STUDIES

Ministry of Science, Education and Sport

SMART SPECIALIZATION PRIORITY IMPLEMENTATION PROGRAMME

Ministry of Science, Education and Sport

Ministry of Economy and Innovation

Legal basis of the R&D Policy (II)

**PROGRAMME FOR THE DEVELOPMENT OF STUDIES, SCIENTIFIC
RESEARCH AND EXPERIMENTAL (SOCIAL AND CULTURAL)
DEVELOPMENT**

Ministry of Science, Education and Sport

Smart specialization priorities

SMART SPECIALIZATION / R&I PRIORITY AREAS

1

**ENERGY AND A
SUSTAINABLE
ENVIRONMENT**

2

**HEALTH TECHNOLOGIES
AND BIOTECHNOLOGIES**

3

**AGRO-INNOVATION AND
FOOD TECHNOLOGIES**

4

**NEW PRODUCTION
PROCESSES, MATERIALS
AND TECHNOLOGIES**

SMART SPECIALIZATION / R&I PRIORITY AREAS (II)

5

**SMART, CLEAN,
INTEGRATED (LINKED)
TRANSPORT**

6

**INFORMATION AND
COMMUNICATION
TECHNOLOGIES**

7

**INCLUSIVE AND CREATIVE
SOCIETY**



Operational EU Structural and Investment Programme concerned

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Thematic priority (TO1) "**Research and Innovation**,"

Priority 1. **Strengthening research and development and innovation Investment priority**

1.1 Enhancing research and innovation (R&I) infrastructure and capacities to develop R&I excellence, and promoting centres of competence, in particular those of European interest.

Operational EU Structural and Investment Programme concerned (II)

Specific objective 1.1.1 **Promoting more active use of the existing and new research, development and innovation infrastructure.**

This investment priority intends to support creation, updating and development of the RDI infrastructure of units, commercialisation of experimental development activities and their results, promoting public-private cooperation in the field of RDI as well as upgrading and development of RDI infrastructure for the implementation of the Smart Specialisation Strategy.

GOALS AND EXPECTED IMPROVEMENT AFTER INNOHEIS

1

IMPROVED
GOVERNANCE AND
INCREASED IMPACT BY
PROJECTS FUNDED BY
THE EU SF WITHIN THE
POLICY FIELD TACKLED

2

DETERMINE THE KEY
BARRIERS HIGHER
EDUCATION
INSTITUTIONS FACE IN
TERMS OF INNOVATION
DEVELOPMENT

3

DISSEMINATE THE
EXPERIENCE AND GOOD
PRACTICES FROM THE
PROJECT TO LOCAL
STAKEHOLDERS AND
POLICY MAKERS

4

DEVELOPMENT OF
NEW INITIATIVES AND
PROJECTS BY THE EU
SF WITH THE HIGHEST
POSSIBLE IMPACT FOR
THE HEIS



THANK YOU
FOR YOUR
ATTENTION



MINISTRY
OF EDUCATION,
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Measures administered by the Ministry

Measures administered by the Ministry

- 1 Development and integration of the RDI infrastructure in European infrastructures
- 2 Development of centres of excellence
- 3 Promotion of the commercialization and transnationality of R&D results
- 4 Promotion of activities of centres of excellence and centres for innovation and technology transfer
- 5 Independent R&D projects
- 6 Targeted research in the smart specialization areas