
Higher Education in Lithuania: national priorities

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of the Republic of Lithuania

www.smm.lt



ŠVIETIMO IR MOKSLO MINISTERIJA

Lithuania: Higher Education and R&D

- ❑ Population: 3,043 million
- ❑ Number of students: 200 000
- ❑ 23 universities: 14 state, 9 private
- ❑ 23 colleges: 13 state, 10 private
- ❑ 12 state research institutes
- ❑ 5 integrated science, study & business centers
- ❑ 11 300 researchers, 7800 with PhDs
- ❑ 300 - 400 new doctoral degrees each year
- ❑ 9,7 % researchers in business and industry



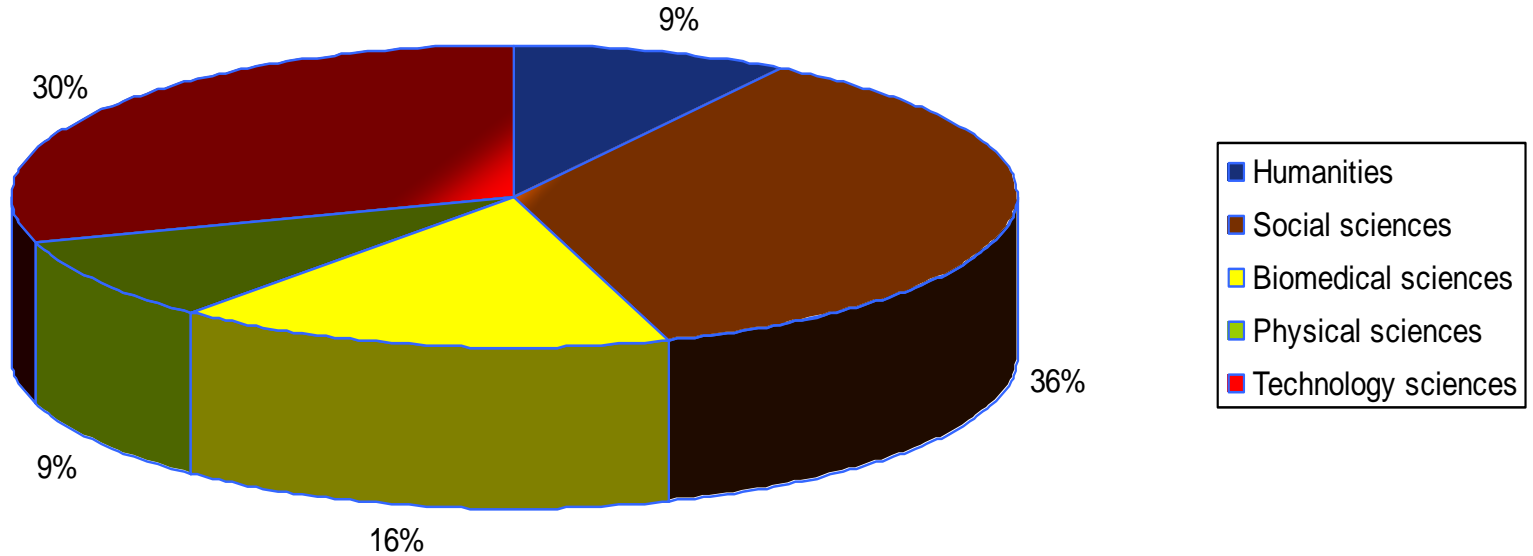
Main priorities in Higher education

- **Quality.** To create conditions and incentives necessary for the substantial improvement in HE quality
- **Accessibility.** Favorable conditions to all potential students

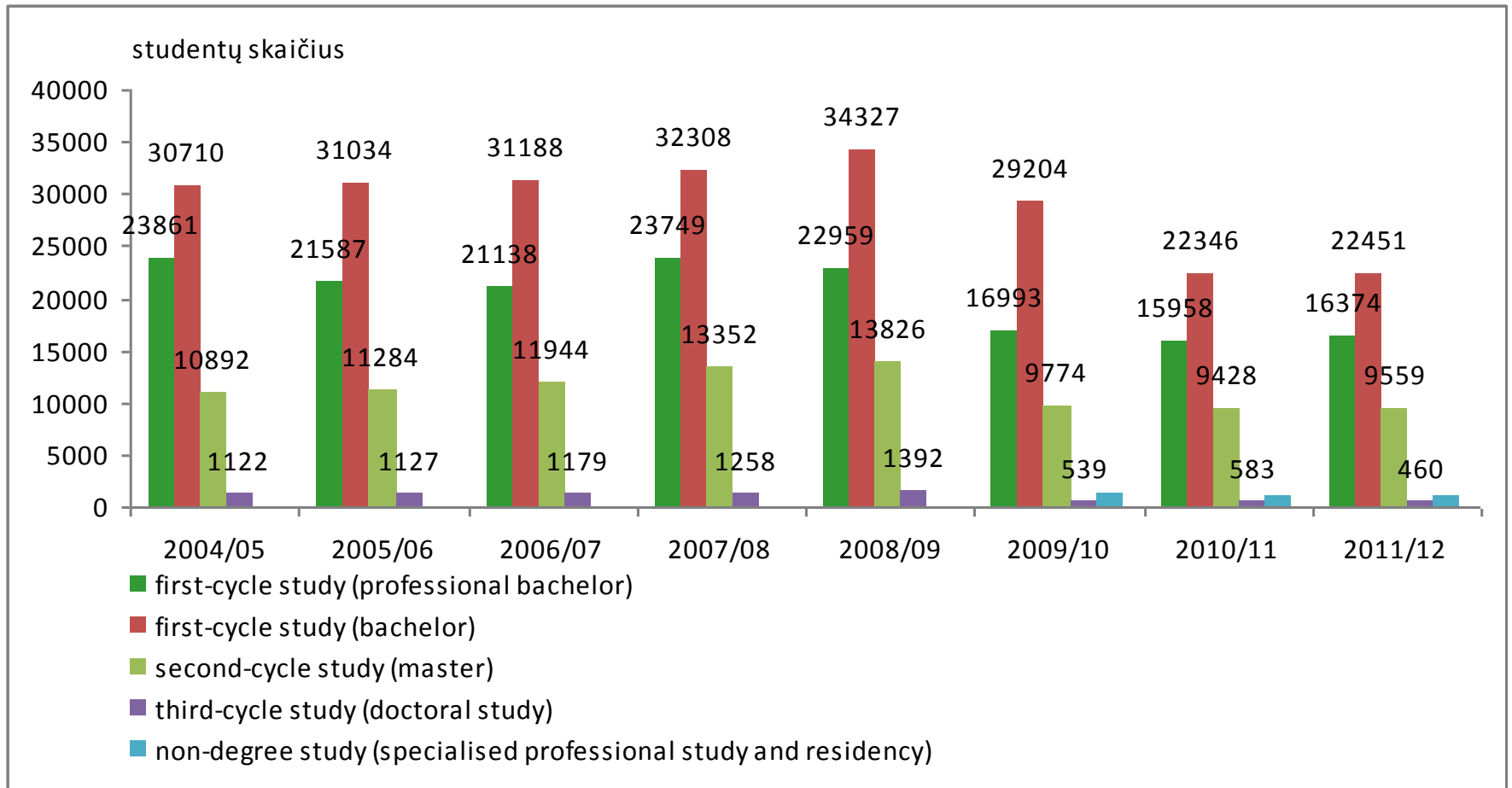
The main focus in 2013

- Revision of Law on Higher education and research
- Changes in admission procedure: more state identified study programmes are financed under request.
- Quality issues: external evaluation procedures etc;.
- LLL strategy in Higher education
- Lithuanian Presidency: Efficiency and financing, Globalisation

Students' profile in HE



Number of students enrolled in universities and colleges



Implementation of ECTS – a step forward in the integration in the EHEA

- ❑ Implementation of the new credit system as of **1 September 2011** has been embedded in the Law on Higher Education and Research (adopted in 2009). The **ECTS** provisions embedded in the Law ensure a learning outcomes-based study model in Lithuania.
- ❑ In 2009-2012, a national project was implemented among the outcomes of which are:
 - the guidelines for introducing ECTS credits,
 - a demo model of application of ECTS methodology to all the study areas (there are six of them: Biomedical Sciences, Physical Sciences, Technological Sciences, Social Sciences, Humanities, Creative Arts and Design),
 - http://www.ects.cr.vu.lt/Projekto_rezultatai.

European qualification framework

- ❑ In 2012, a report of referencing the Lithuanian qualifications framework (LTKS) to the EQF (and self-certification of the LTKS against the QF-EHEA) was drafted, translated into En and announced publicly
- ❑ National Qualification Framework is linked to EQF
http://ec.europa.eu/education/lifelong-learning-policy/eqf_en.htm

Promotion of the International Dimension in HE and Research

- ❑ Joint Study Programmes
- ❑ International Student Programmes and Foreign Exchange Programmes: Erasmus, Erasmus Mundus, Tempus, Nordplus and etc.
- ❑ Joint faculties with foreign universities (5 projects)
- ❑ National financial support for foreign professors
- ❑ Doctoral studies with international partners
- ❑ International R&D Programmes

State social support for students

Types of social support in Lithuania:

- ❑ State supported/guaranteed loans;
- ❑ Social grants;
- ❑ Targeted scholarships to enhance the attractiveness of study fields which are of special importance to the State;
- ❑ Support for students with disabilities;
- ❑ Transport discounts;

Traineeships

- ❑ **The main objective of the initiative is to improve the quality of practical training (traineeships) by linking traineeship to the opportunity of the “First job” Student traineeships may be organised together with foreign partners.**
- ❑ **Traineeship models are developed and implemented by way of running projects financed by the European Structural Funds.**

<http://www.epraktika.lt/>

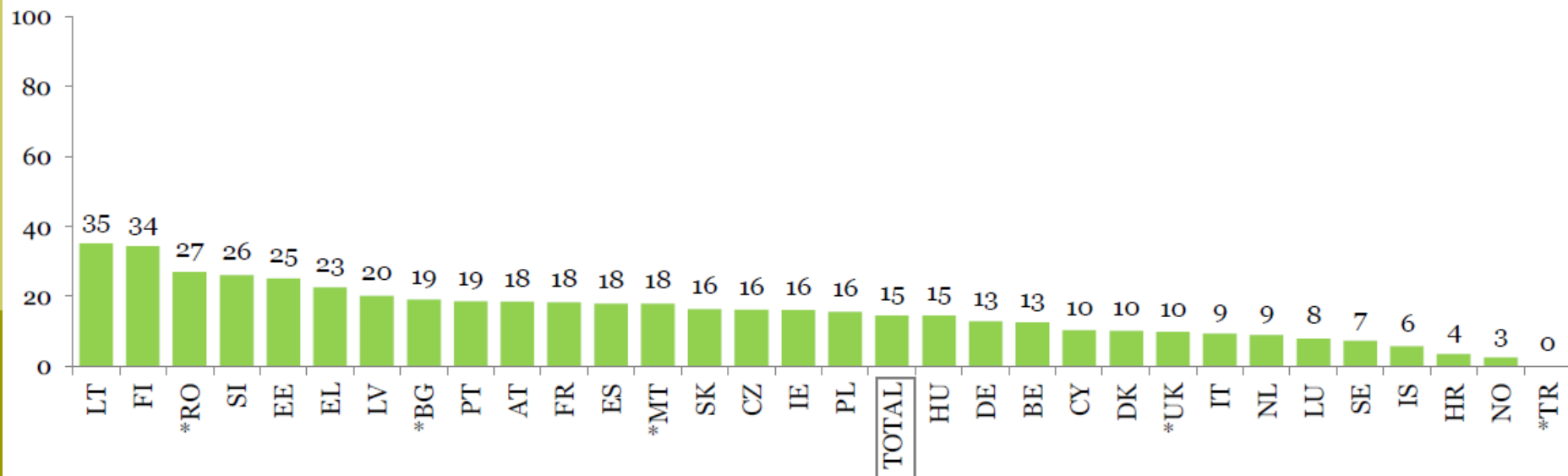
<http://www.gerapraktika.lt/>

Participation in ERASMUS & other EU programmes

- Respondents in **Lithuania (35%)** and Finland (34%) were the most likely to have studied abroad in the framework of an **EU funded mobility programme**.

Financial resources of young people's longest stay abroad

EU funded mobility programmes (LLP, Youth in Action, Erasmus Mundus or other)



Q7. Thinking about your longest stay abroad, how did you finance your stay?

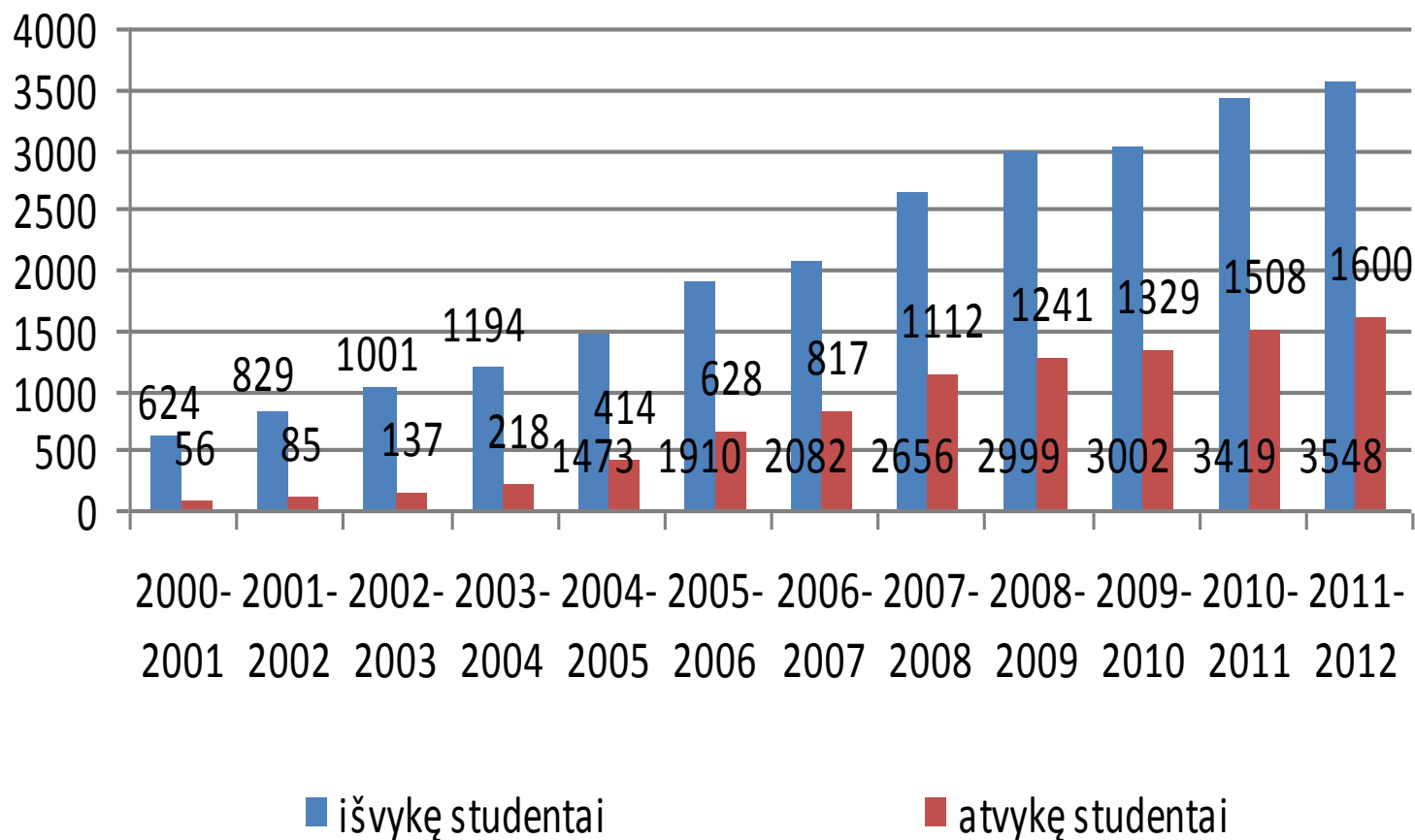
* Note: countries with less than 100 respondents

Base: respondents who have been abroad for at least one of the tested learning mobility periods, % of 'mentions' shown by country

Data source: Eurobarometer (2011)

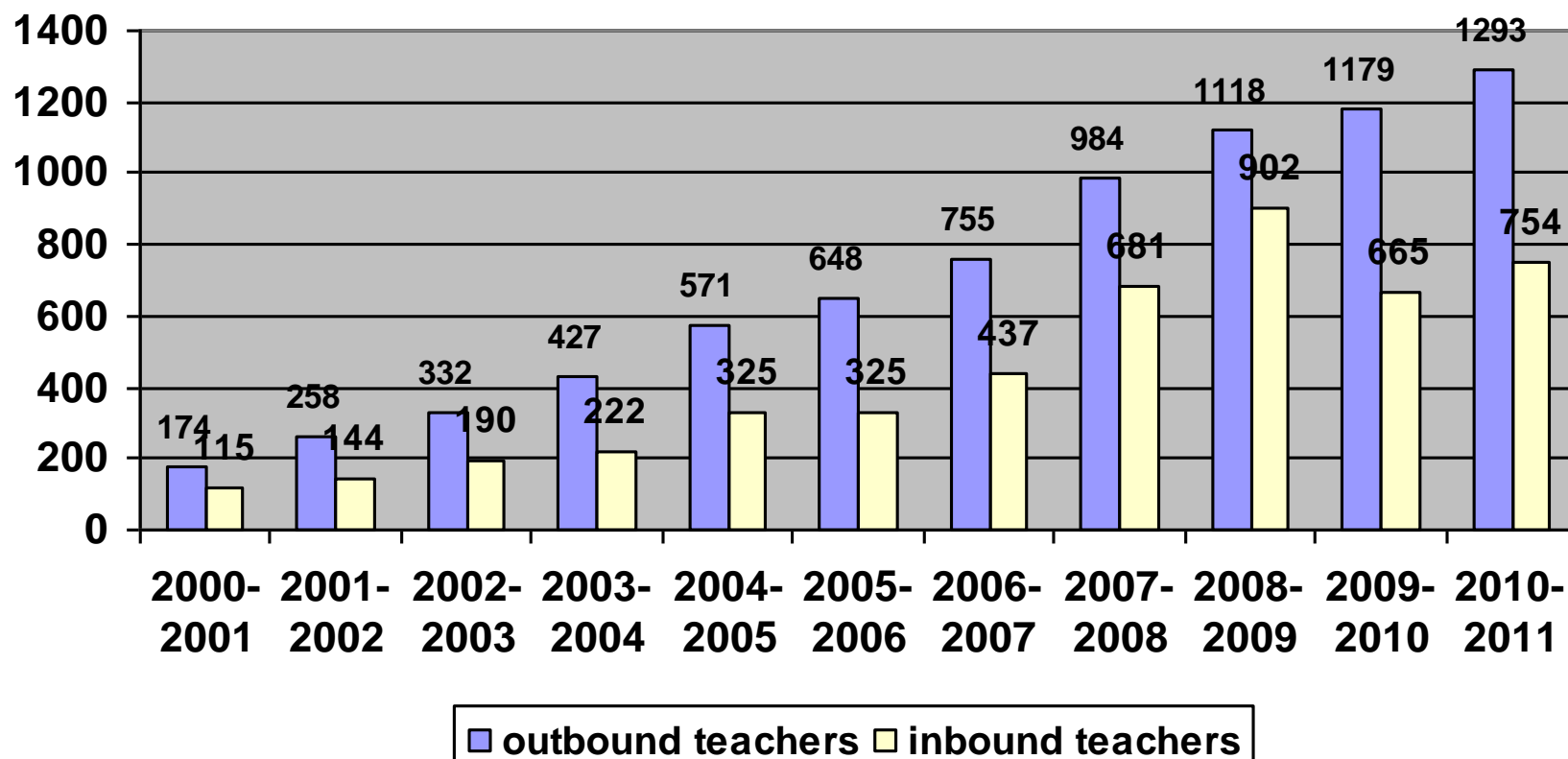
Participation in ERASMUS & other EU programmes (I)

Erasmus students



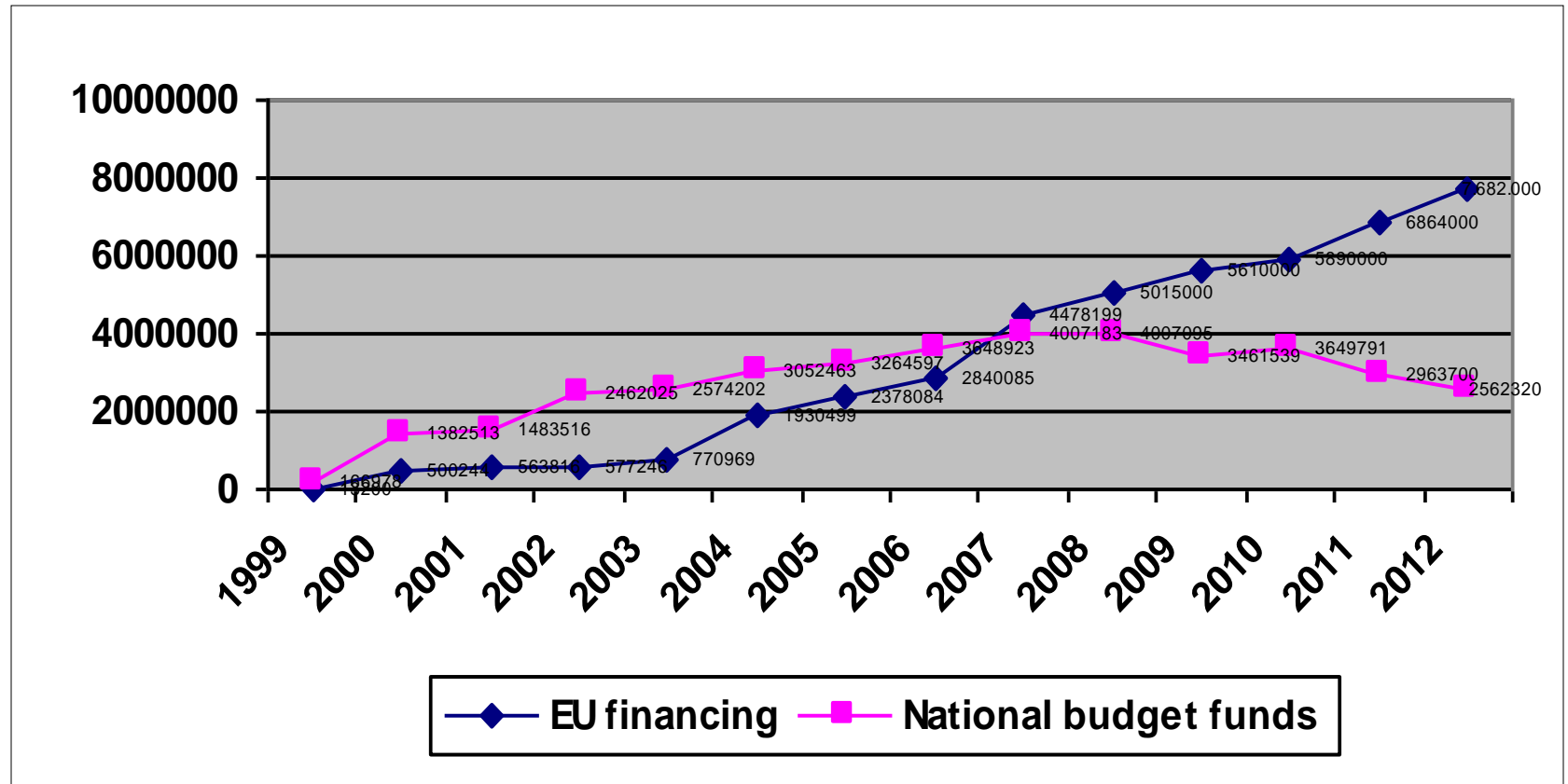
Participation in *ERASMUS* & other EU programmes (II)

Erasmus teachers and staff



Participation in *ERASMUS* & other EU programmes (III)

ERASMUS programme financing (euro)



Project “Study in Lithuania”

- ❑ To increase the awareness of Lithuanian Higher Education and recent reforms among universities of other countries;
- ❑ To present Lithuanian Higher Education to potential students in order to encourage them to come and study in Lithuania;
- ❑ To encourage students of Lithuanian Higher Education institutions to participate in international students exchange programmes.

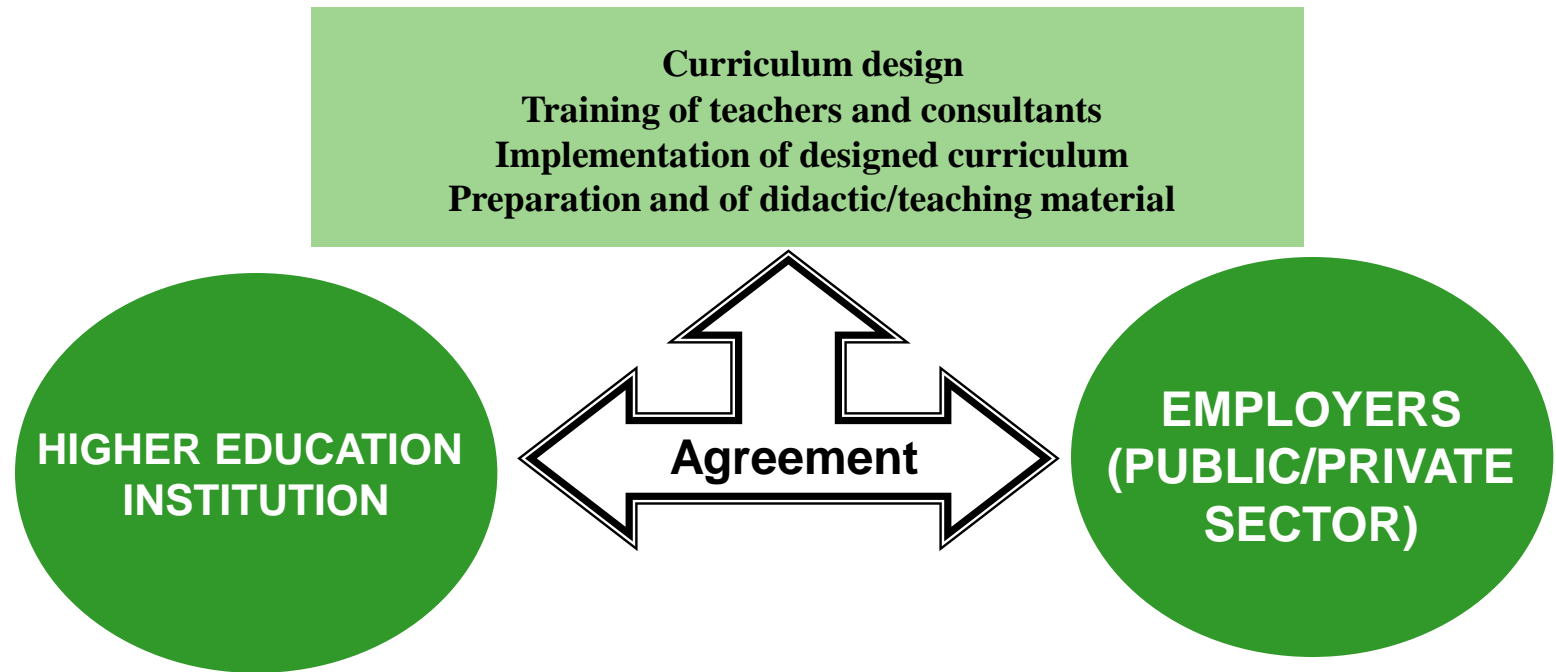


Lifelong learning in higher education (I)

- ❑ On 15 December 2010, a ministerial order approved **Recommendations on the Assessment and Recognition of Non-formally Acquired Competences in Higher Education Institutions.**
- ❑ In mid-July 2011, a **call for proposals** for financing project activity was announced.
- ❑ Currently, 5 projects are being developed each partnered with no less than 5 HEIs, with a total number of partner HEIS amounting to 28.

Lifelong learning in Higher Education (II)

- ❑ Customised, tailored programmes(modules)
- ❑ 2013 national funding is allocated



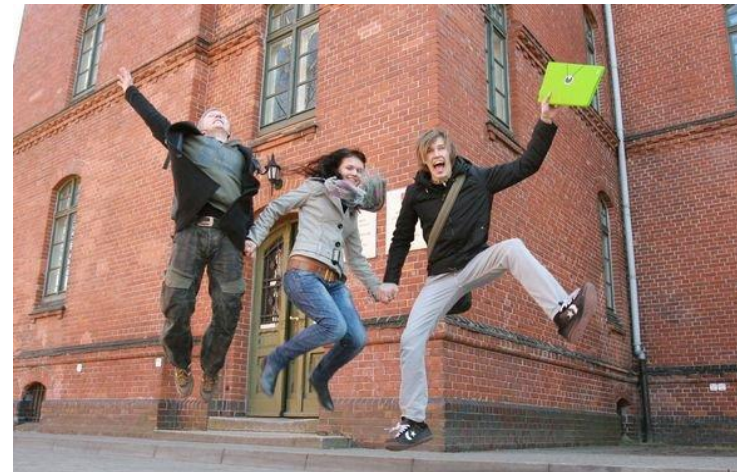
Future challenges

- ❑ HE future mission and impact into economical development ?
- ❑ Need of High-level skills to maintain Lithuania's competitive advantage
- ❑ Value of diploma, skills, knowledge etc.;

Welcome to Lithuania



ŠVIETIMO IR MOKSLO MINISTERIJA



Internationalisation of Lithuanian Higher Education

Gražina Kaklauskienė,
Deputy director of Education Exchanges Support
Foundation

2013-06-13, ŠMM



Švietimo mainų
paramos fondas



Education Exchanges Support Foundation

Lifelong Learning Programme

NordPlus (Nordplus Junior, Nordplus Adult, Nordplus Higher Education, Nordplus Horizontal)

Euroguidance

Europass

Erasmus Mundus - joint master degree and mobility

Tempus – contact point

Bologna experts project

State scholarships for students and researchers (31 bilateral agreements)

State scholarships for full-time **master degree studies** (Ukraine, Belarus, Kazakhstan, Armenia, Georgia and Azerbaijan)

Grants for HEI teachers from abroad (starting from 2 weeks)

Promotion of LT higher education abroad

The Official Gateway of Studies in Lithuania - Windows Internet Explorer

http://studyinlithuania.lt/en/

File Edit View Favorites Tools Help

Favorites Suggested Sites Web Slice Gallery

The Official Gateway of Studies in Lithuania

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WHY LITHUANIA STUDY PROGRAMMES HOW TO APPLY SCHOLARSHIPS INSTITUTIONS LIVING IN LITHUANIA

WHY LITHUANIA?

High quality, modern and innovative studies, EU-wide recognised diplomas. And all of this surrounded by unique and old traditions cherishing culture.

[Learn more](#)

1 WHY LITHUANIA?

Find out why studies in Lithuania are better than elsewhere.

2 WHAT TO STUDY?

What to study?
Choose the study programme - just the one which fits your capacity and wishes.

3 WHAT NEXT?

Found your programme and wonder what to do next?

LAST NEWS

FEB 11 [More opportunities to fund your studies!](#)

FEB 07 [Scholarships for Master degree studies](#)

JAN 20 [Studies in Lithuania - a pathway to](#)


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STUDENT TESTIMONIALS



Higher education institutions in Lithuania

23 Universities



24 Colleges



**21 research
institutes**



Legal basis

National programme of internationalisation of Lithuanian Higher Education

- **Priority countries for institutional cooperation**
(Nordic countries, Australia, Japan, USA)
- **Priority countries for recruiting students**
(India, China, Armenia, Azerbaijan, Belarus, Georgia, Moldova and Ukraine)

National programme of internationalisation of Lithuanian Higher Education

Targets set:

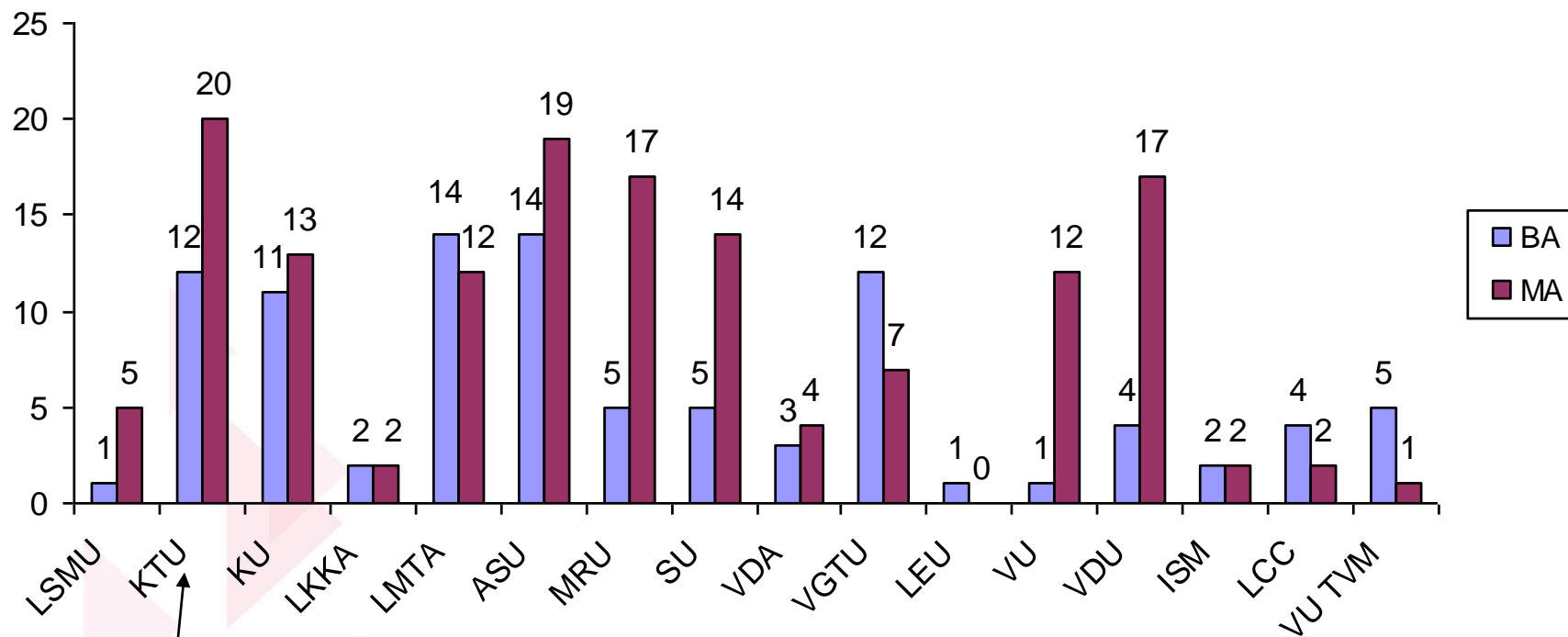
- number of outgoing and incoming students under international mobility programmes (including Erasmus) to be **increased at least by 10 % every year**
- To increase the proportion of the incoming students, aiming at the ratio between the outgoing and the incoming students below **3**
- number of outgoing and incoming teachers under international mobility programmes (including Erasmus) to be **increased at least by 8 % every year**

Programmes in foreign languages

Study programmes in foreign languages:

- **approximately 220 study programmes in English and Russian** (3000 in Lithuanian)
- **10 accredited Joint Study Programmes (JSP):**
Vilnius University, Mykolas Romeris University, Vytautas Magnus University, Vilnius Gediminas Technical University and College of Social Sciences
- **42 JSP** under development

Study programs in foreign languages in Lithuanian universities 2012



Study programmes (BA, MA) in foreign languages in Baltic universities 2012

Language of study program	Lithuania	Latvia	Estonia
English	203	89	85
Russian	15	42	0
Other languages (FR, IT, DE)	0	4	0



Financing instruments for incoming-outgoing mobility

Exchange programmes: Erasmus, Erasmus Mundus, NordPlus, State scholarships

Structural funds: for implementation of ECTS, preparation of Joint programmes, organisation of students placements abroad, student grants (Erasmus and promotion of Lithuanian HE abroad)

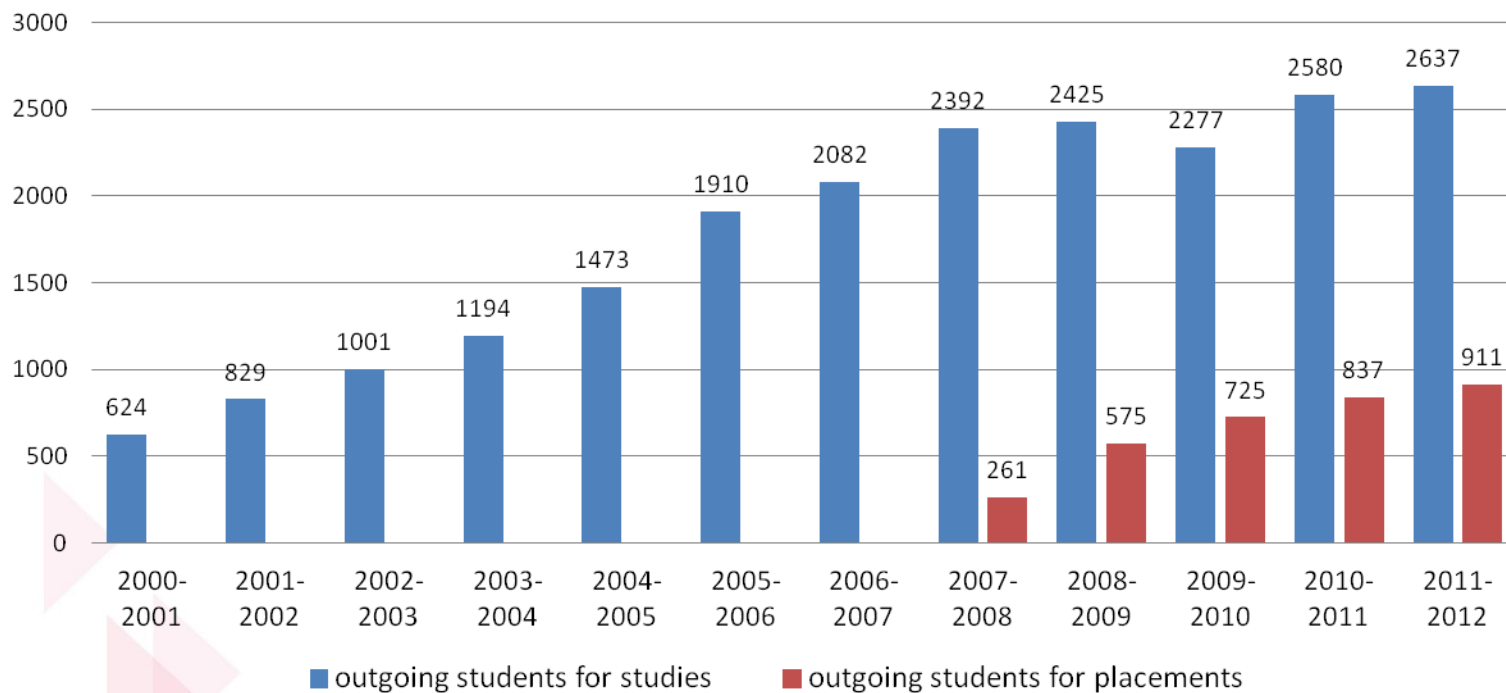
Erasmus programme was the main driving force in the internationalisation of Lithuanian higher education during the period 1999-2012

European mobility programmes

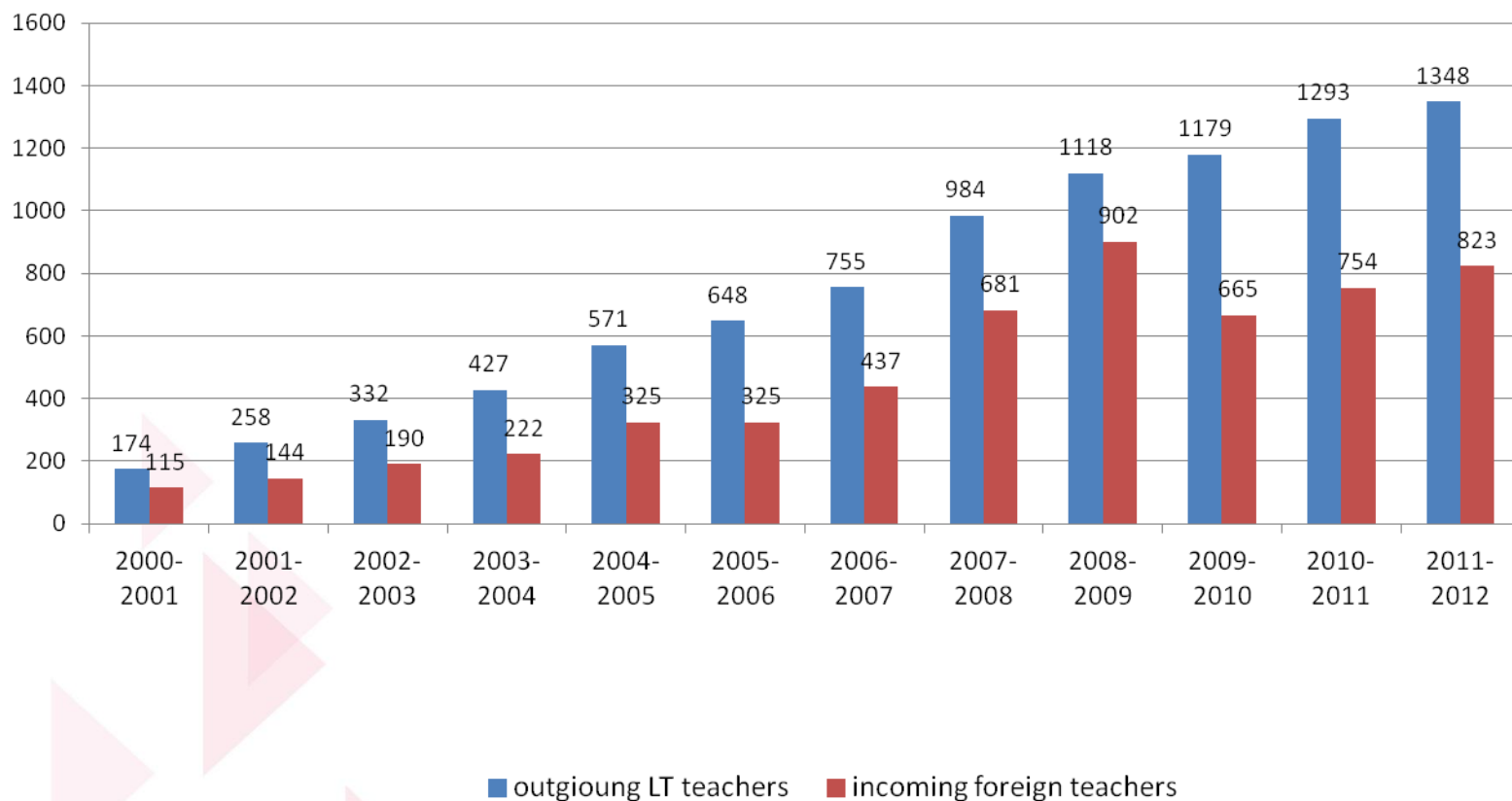
Erasmus statistics (1999-2012):

- **25 500** outgoing Lithuanian students for 1-2 semester studies or placements to other European countries
- **10 000** incoming students from other European countries
- **9 100** outgoing Lithuanian university teachers' and staff visits
- **5 600** incoming teachers from other European countries

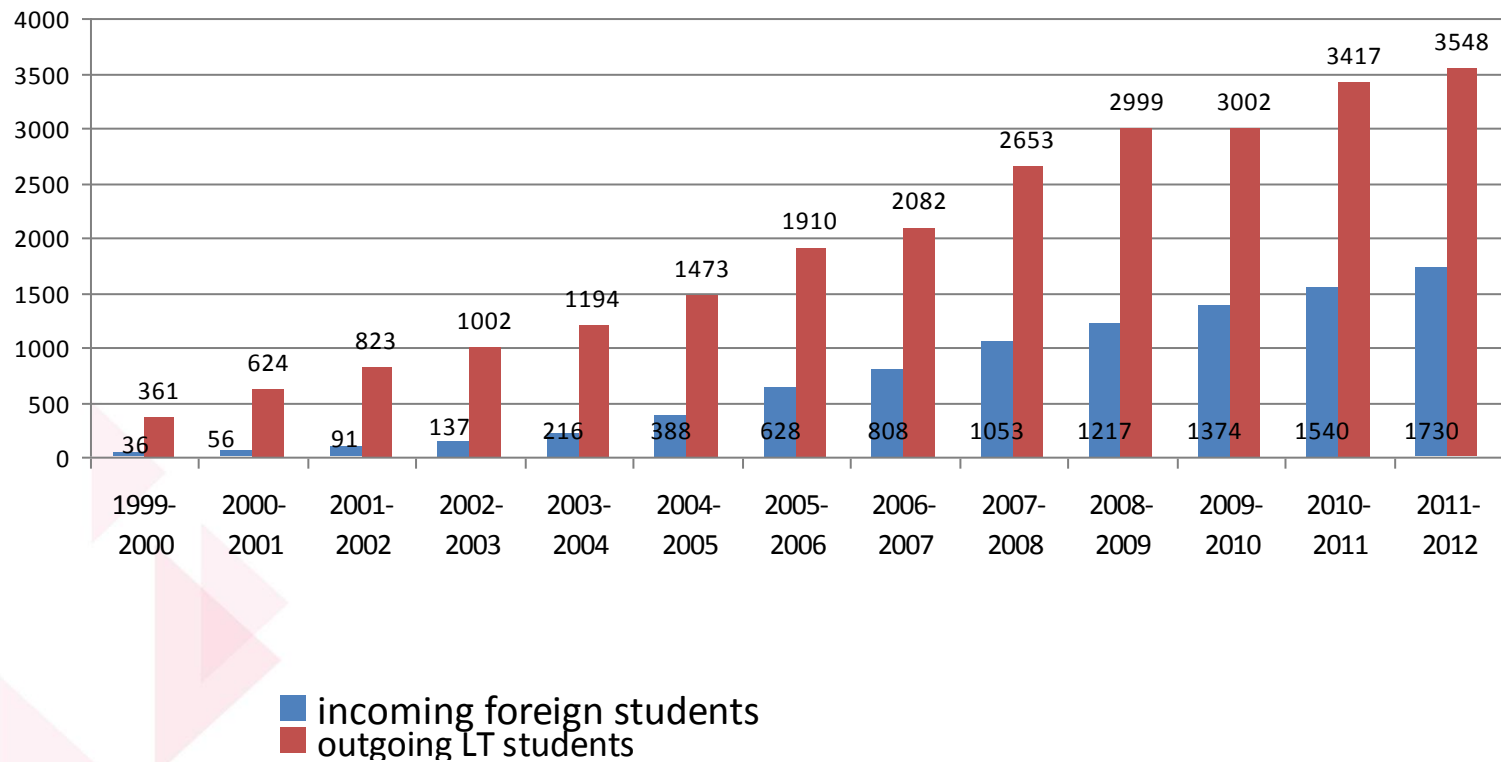
Erasmus mobility: LT students



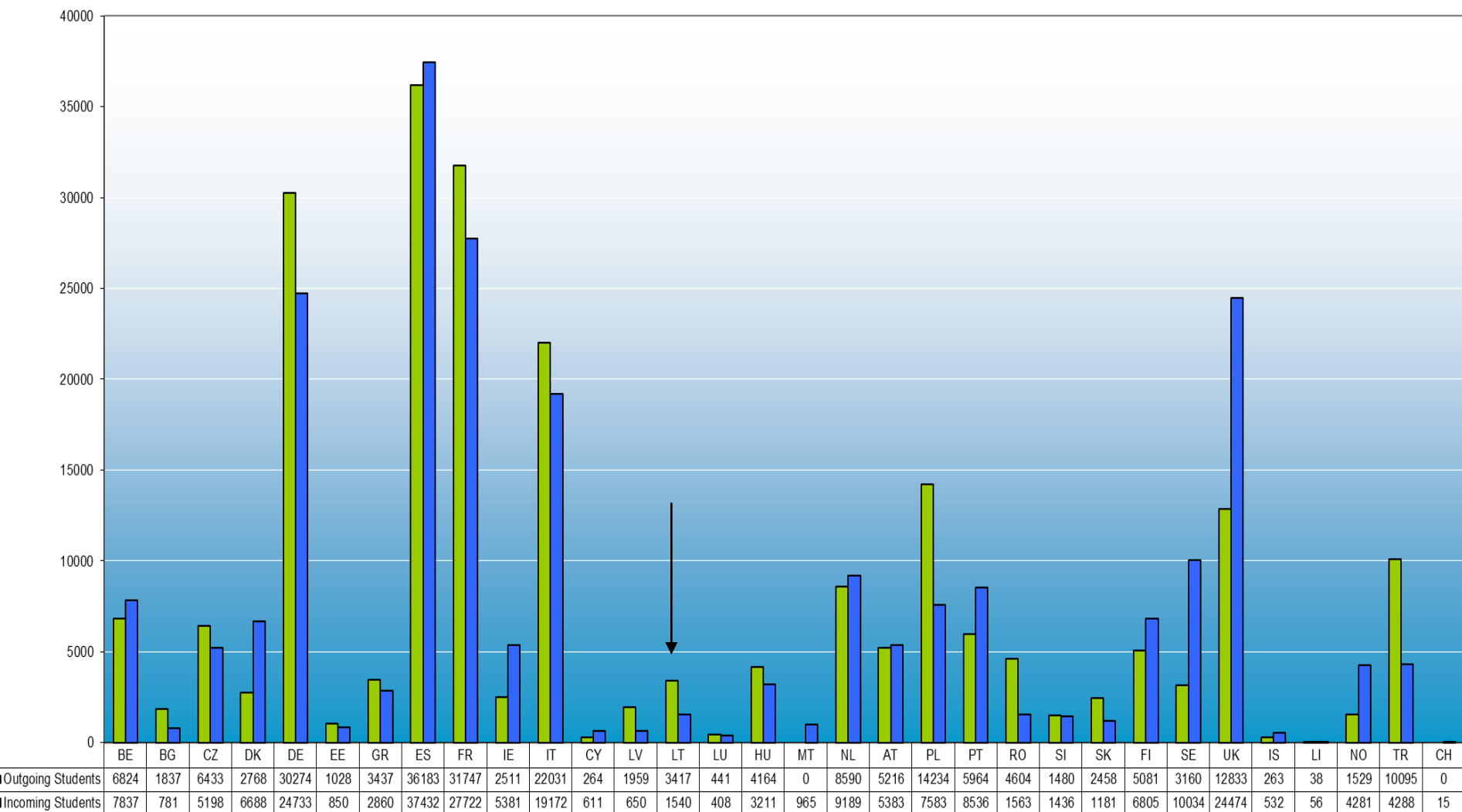
Erasmus mobility: university teachers and other staff



Erasmus mobility: students

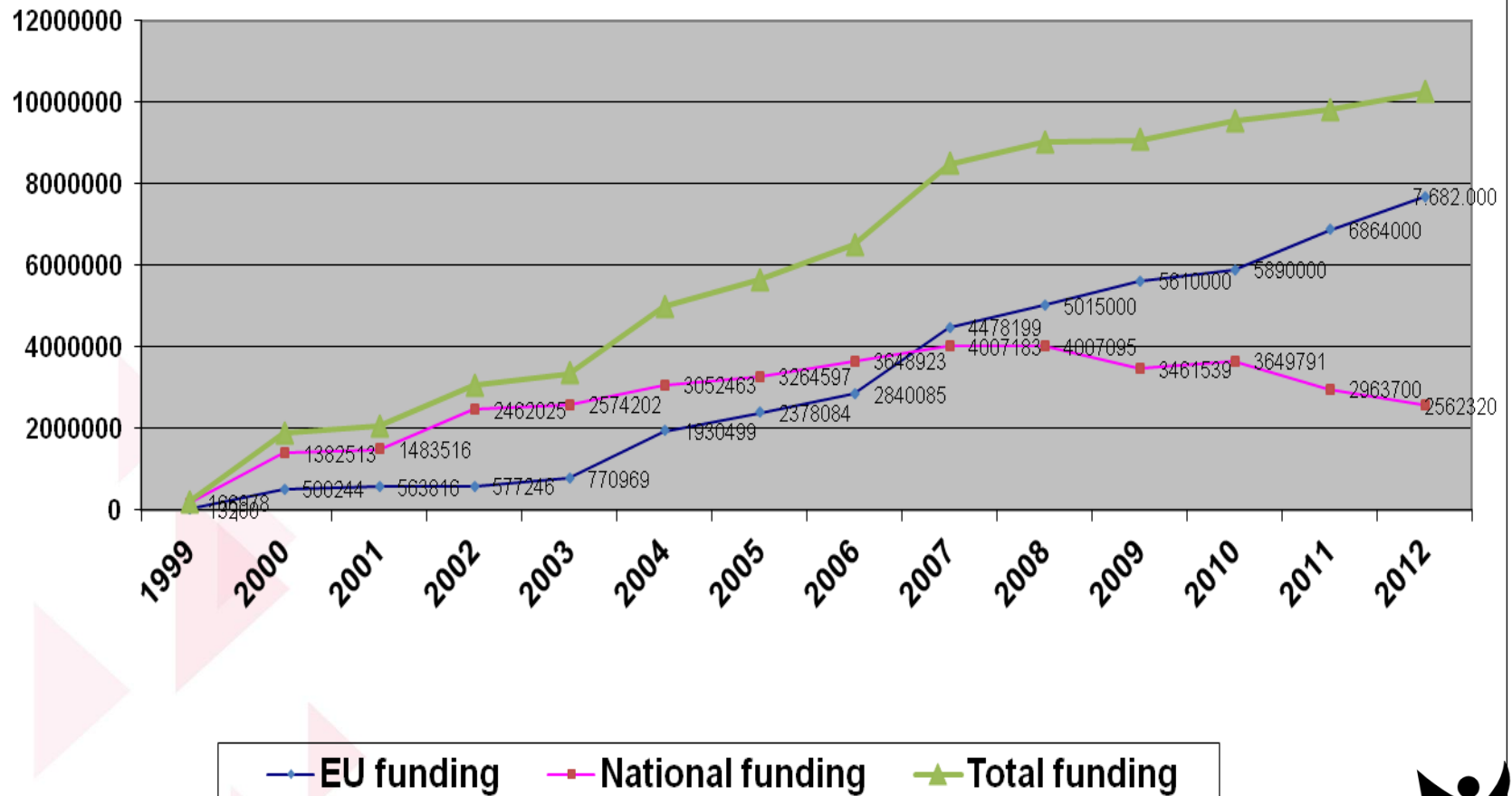


Outgoing – incoming Erasmus students by country 2010-2011



Data: <http://ec.europa.eu/education/erasmus/doc/stat/1011/report.pdf>

Erasmus funding (EUR)



Co-funding for Erasmus

National funding from National Budget for:

- Student mobility for studies & placements
- Staff mobility
- Erasmus IPs and EILCs,
- Other activities: organisation of mobility, administrative costs, preparation of modules/study programmes in foreign languages, participation in networks and other European projects, ESN activities, initiative "Erasmus for schools"

ESF funding: extra grants for Erasmus students for studies & placements (*from 2011*)

Challenges

Number of LT students enrolled in HEIs is decreasing due to these reasons:

➤ Demographic

40 % less graduates in 2023 in comparison to 2009

➤ Brain drain

7 % of total number of LT students are studying degree studies abroad

Aim: to increase a number of foreign students enrolled in LT HEIs

There are 3340 foreign students (3 %) among 120.000 full-time students enrolled in LT (academic year 2011-2012)

Student mobility for degree studies 2010 (OECD)

Country	Outgoing students for degree studies in foreign countries	Foreign students studying degree studies in LT, LV, EE
Lithuania	12.880 (7 %)	3.122 (2,2 %)
Latvia	7.230 (3.5 %)	~ 1.700 (1.7%)
Estonia	5.300 (7,2 %)	2.600 (0,5 %)

Most popular destination countries :

- *For Lithuanians – GB (4812), Germany (1332), Denmark (1027)*
- *For Latvians – GB (4912), Russia (914), Germany (830)*
- *Estonia – GB (1374), Finland (700), Germany (620)*

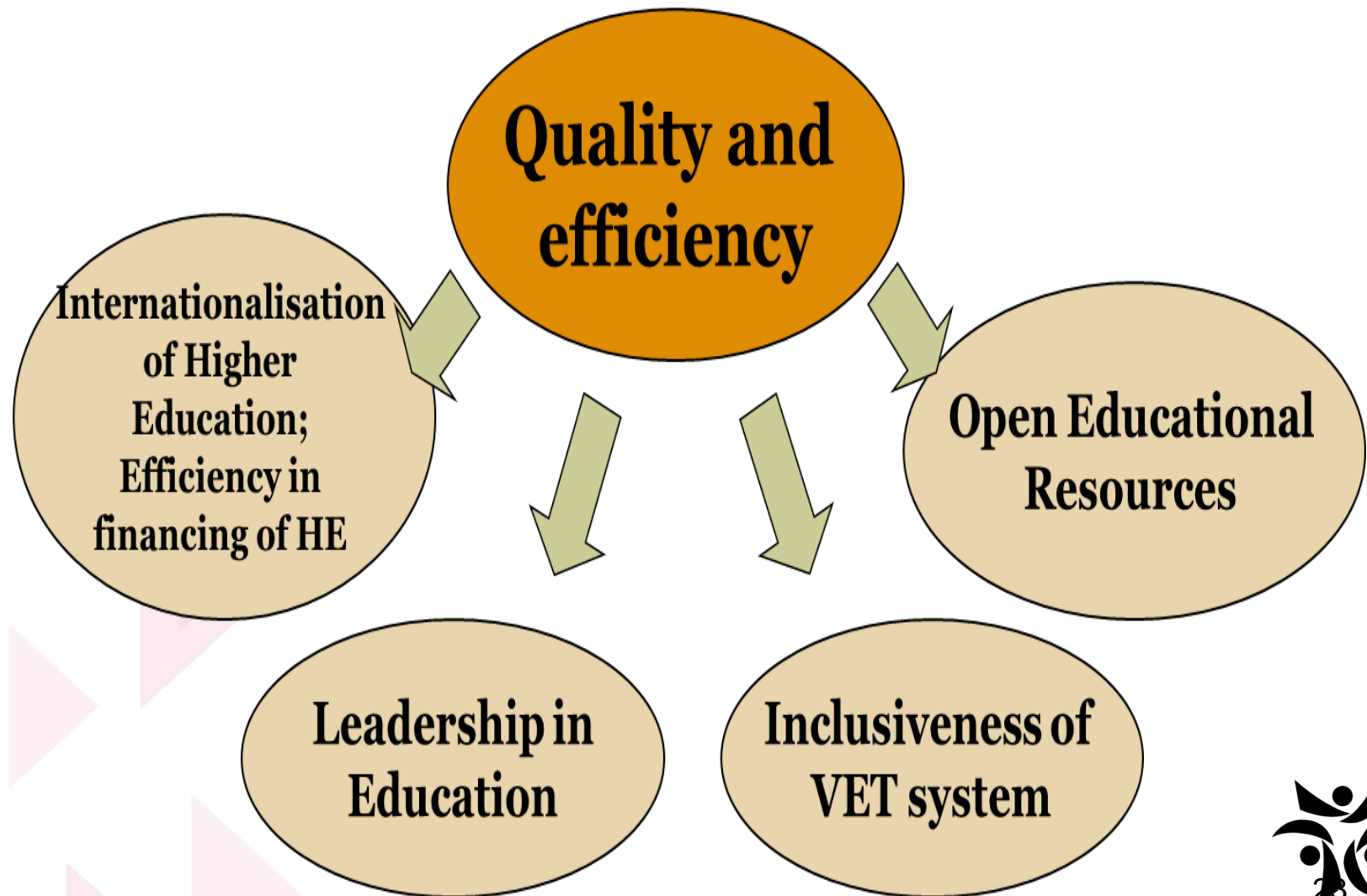




New programme “Erasmus for All” 2014-2020

- **Budget:** 19 billion EUR (40 % for HE)
- **3 types** of actions for all sectors:
 - i. Individual mobility (EU and non-EU) 63%
 - ii. Cooperation projects (Strategic partnerships, Knowledge Alliances, IT support platforms ...) 25%
 - iii. Support for policy reform (HE modernisation agenda...) 4%
- Jean Monnet, Sport

LT EU Presidency priorities in the field of education and training



Questions?

Vil

540

(370



Švietimo mainų
paramos fondas



Lietuvos
mokslo
taryba

MAIN ACTIVITIES OF THE RESEARCH COUNCIL OF LITHUANIA

dr. Eugenijus Stumbrys

Director of Research Funding

Department of Research Foundation



- ☐ **Mission, Vision and two Pillars**
- ☐ **Cadences of the Council and there Members**
- ☐ **Research Funding**
- ☐ **Structure of the Council**
- ☐ **Approval the Members of the Council**
- ☐ **Council as Adviser**
- ☐ **Council as Foundation**
- ☐ **Research Funding at the Council**



Mission of the Research Council of Lithuania – to be involved in adequate science policy development and to use the financial instruments so that the Lithuania science would be viable, complying with the global challenges and the expectation of the Lithuania society, and would successfully join the European Research Area.

Vision of the Research Council of Lithuania – a competent, qualified and innovative expert institution, taking active part in development of efficient and competitive Lithuanian science and higher education system and enhancing the role of knowledge and innovation in economics and society of the country.

Key functions of the Research Council of Lithuania

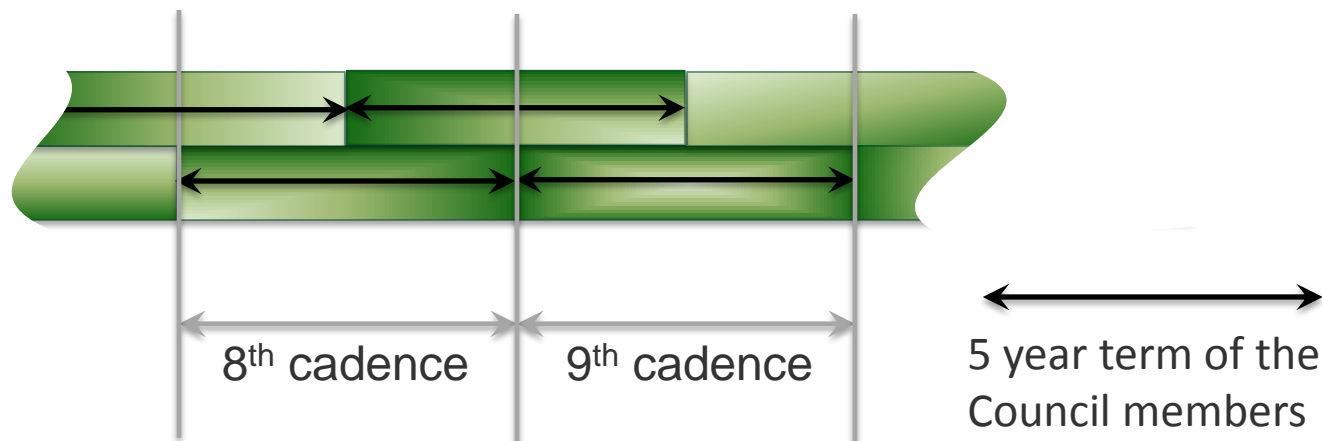
- ☐ to advise the Parliament (Seimas) and the Government on strategic issues of research and higher education;
- ☐ to provide research funding based on competition;



The founder of the Council is the Parliament of the Republic of Lithuania (Seimas).

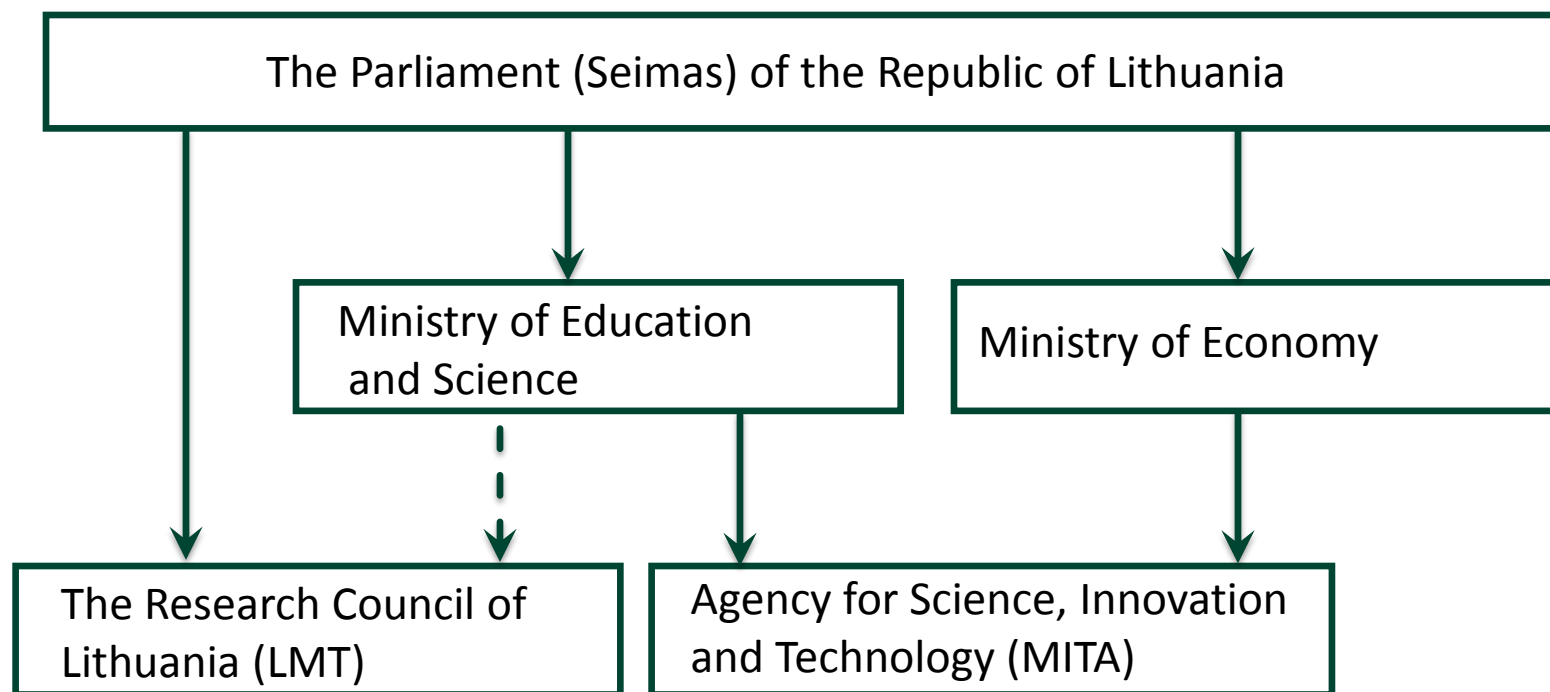
The Council was established in 1991 and restructured in 2007. Before restructuring 6 sets of members (cadences) were appointed.

Recently the transitional period is coming up to its end, the new set of the members of the Council are going to be approved (8th cadence).



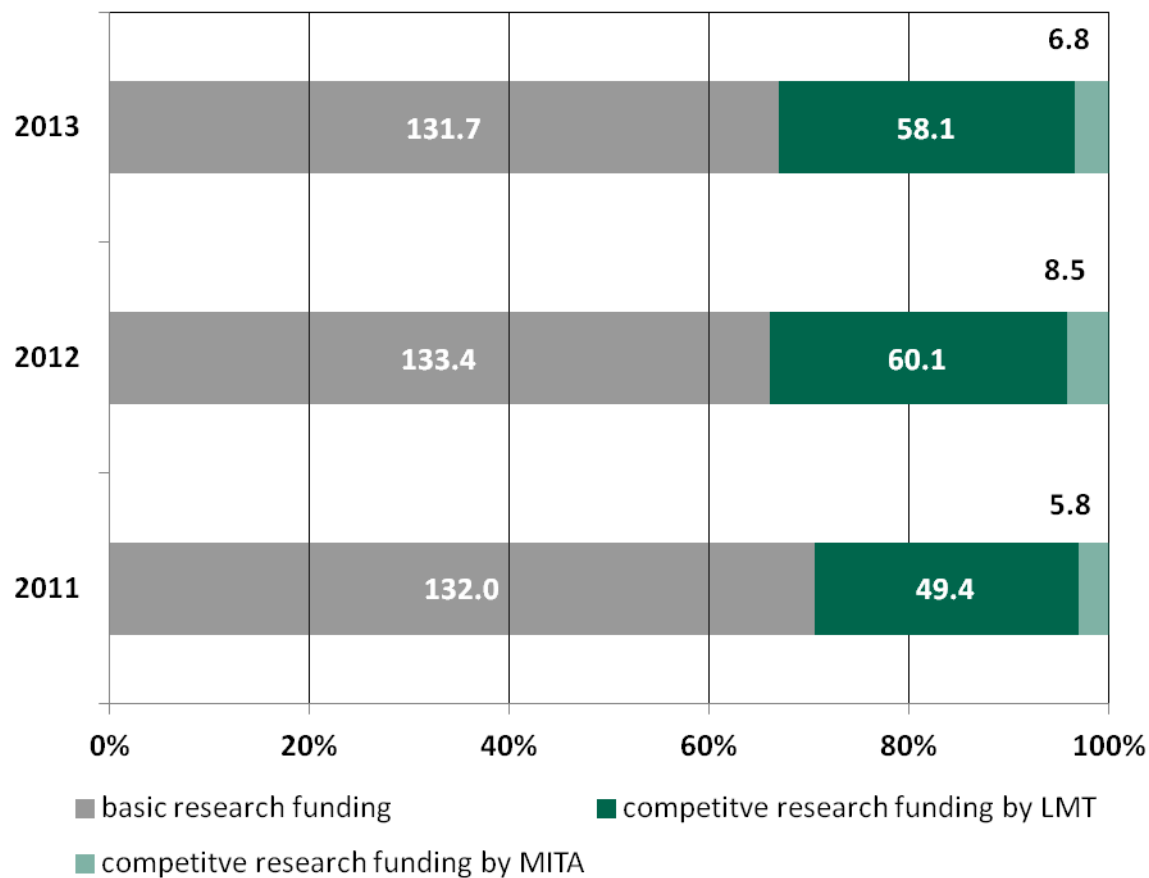


Implementation of Research Funding Policy

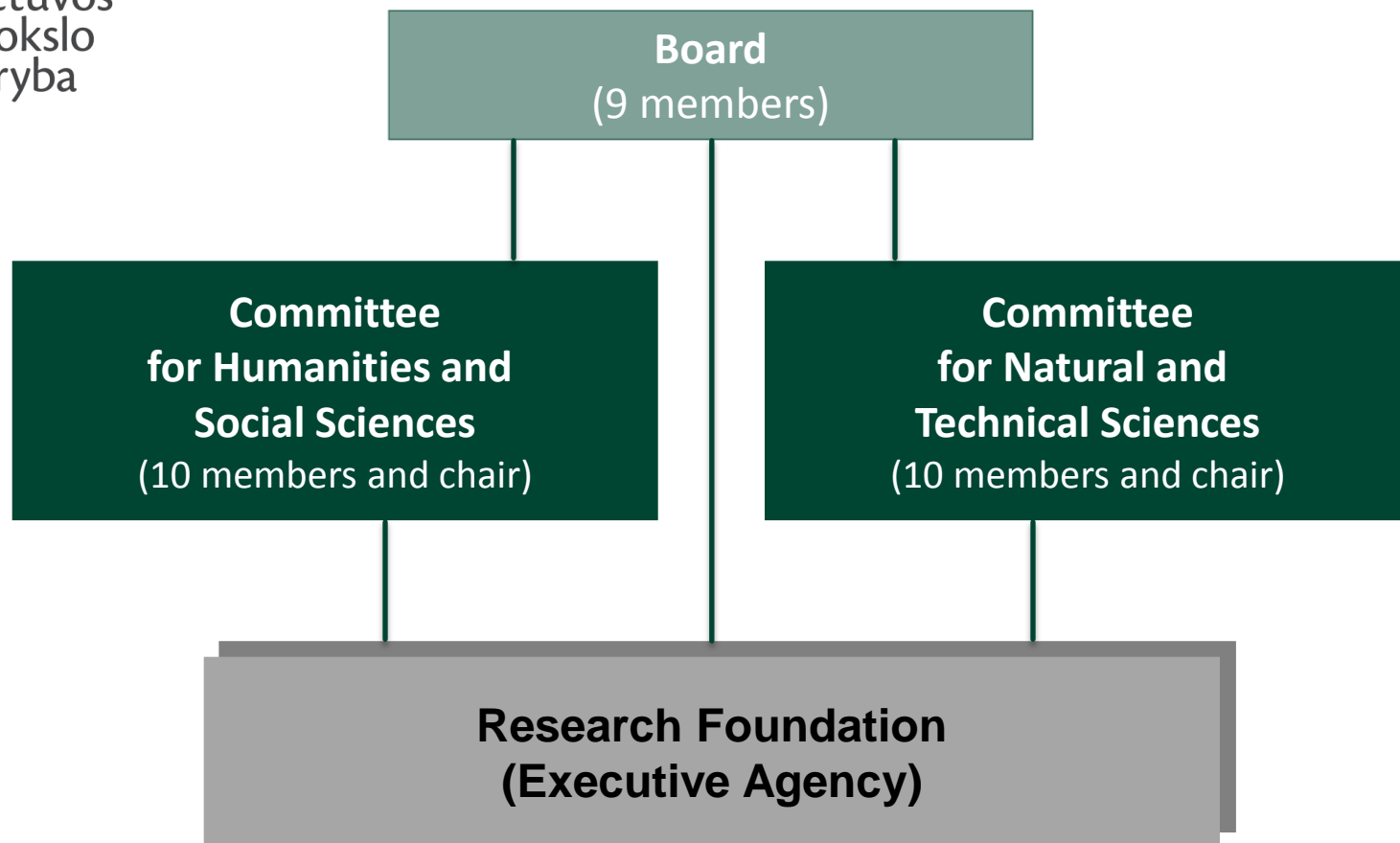




Research Funding (in million Litass) by Lithuanian State Budget in 2011–2013



1 € ≈ 3,5 Litass



Composition of the Board

1. Chairman
- 2.-3. Two Chairs of the Committees
4. Scientific Secretary
- 5.-9. Members appointed on the recommendation:
 - ☐ of the Seimas Committee on Education, Science and Culture,
 - ☐ of the Prime Minister,
 - ☐ of the Ministry of Education and Science,
 - ☐ of the Ministry of Finance,
 - ☐ of the Lithuanian Academy of Sciences



Candidates for the Chairman, the Scientific Secretary of the Council and the Chairs of the Committees are selected by the Minister of Education and Science in consultation with the organizations representing scientists.

On the recommendation of the Minister of Education and Science, the Prime Minister forms two scientists' selection groups for each Committee.

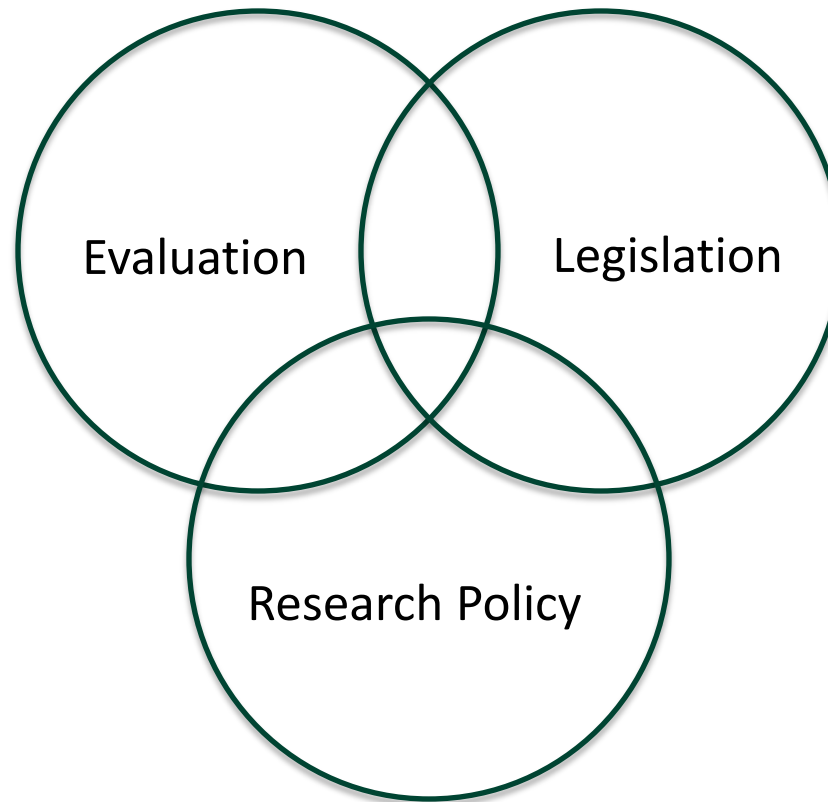
The selection groups publish a call for the nomination of candidates for members of the Committees in press.

The selection groups, upon evaluating the proposals received, select 20 scientists per group out of whom the Minister of Education and Science selects candidates for members of each Committee in consultation with the persons proposed to be appointed as members of the Board.

The Minister of Education and Science presents to the Government the proposed candidates for members of the Council, the Chairman and the Scientific Secretary of the Council and the Chairs of the Committees. The Government submits the composition of the Council to Seimas for approval.



The Research Council of Lithuania serves as a scientific adviser and consultant on strategic issues of research and higher education.





- ☐ Participation in research and higher education strategies development process
- ☐ Advice on development of research infrastructure
- ☐ Supervision of academic ethics and related procedure
- ☐ Evaluation of long-term institutional R&D programmes and their implementation reports
- ☐ Evaluation of research and art works
- ☐ Classification of national research fields and branches
- ☐ Defining quality standards for research staff
- ☐ Evaluation of proposals for doctoral study programmes, assessment of doctoral studies quality



Competitive research funding through:

- ☐ National Research Programmes
- ☐ The National Lithuanian Studies Development Programme for 2009-2015
- ☐ Researcher Teams' Projects
- ☐ Proof of Concept Projects
- ☐ International Programmes
- ☐ Global Grant
- ☐ Postdoctoral Fellowships
- ☐ Other activities



National Research Programmes

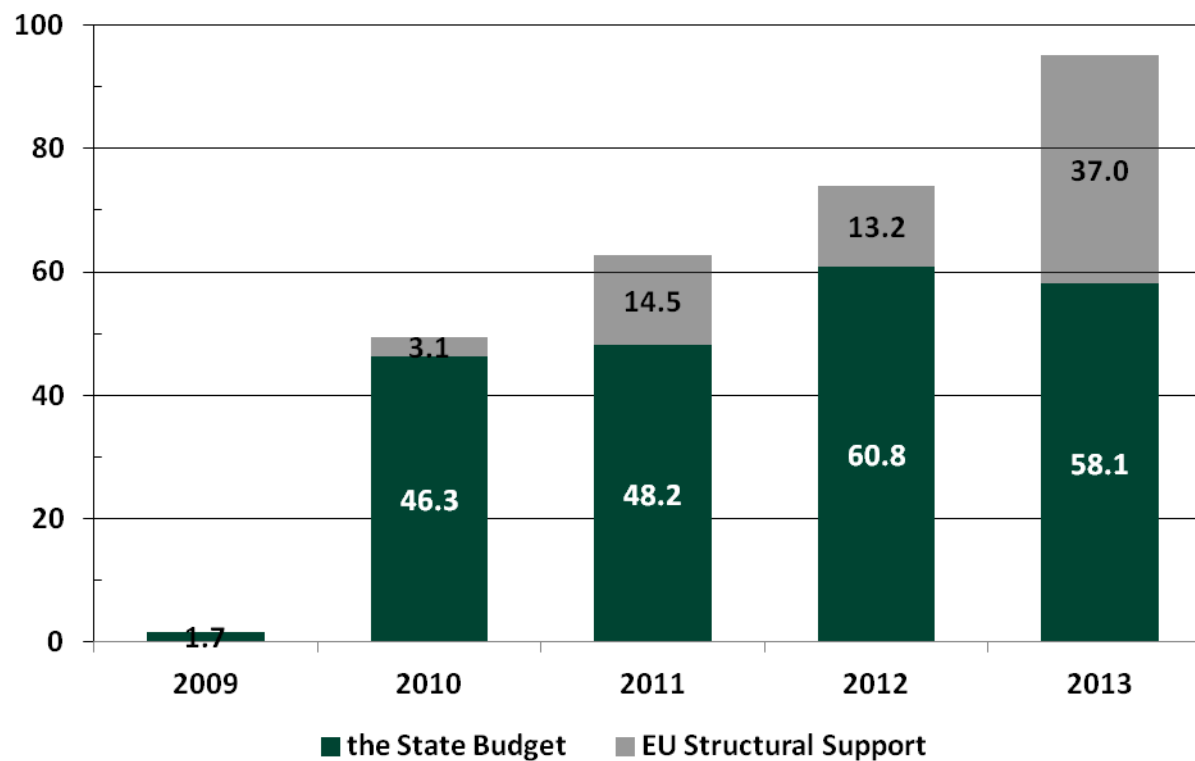
- ✓ Chronic Non-Infectious Diseases (2010-2014)
- ✓ Ecosystems in Lithuania: Climate Change and Human Impact (2010-2014)
- ✓ Future Energy (2010-2014).
- ✓ Healthy and Safe Food (2011-2015)
- ✓ Social Challenges to National Security (2010-2013)
- ✓ The State and the Nation: Heritage and Identity (2010-2014)

Other activities

- ✓ Promotional Scholarships for Doctoral Candidates
- ✓ Funding for Academic Associations
- ✓ Funding for the Restart of Researchers' Career
- ✓ Funding of Research Visits
- ✓ Funding for Short-term Visits of Researchers
- ✓ Funding of Scientific Events
- ✓ Funding for the Publication of Research Results
- ✓ Funding for Students' Research Activities
- ✓ Support for Subcontracted Research in Private Sector



Competitive Research Funding (in million Litas) at the Research Council of Lithuania in 2009–2013

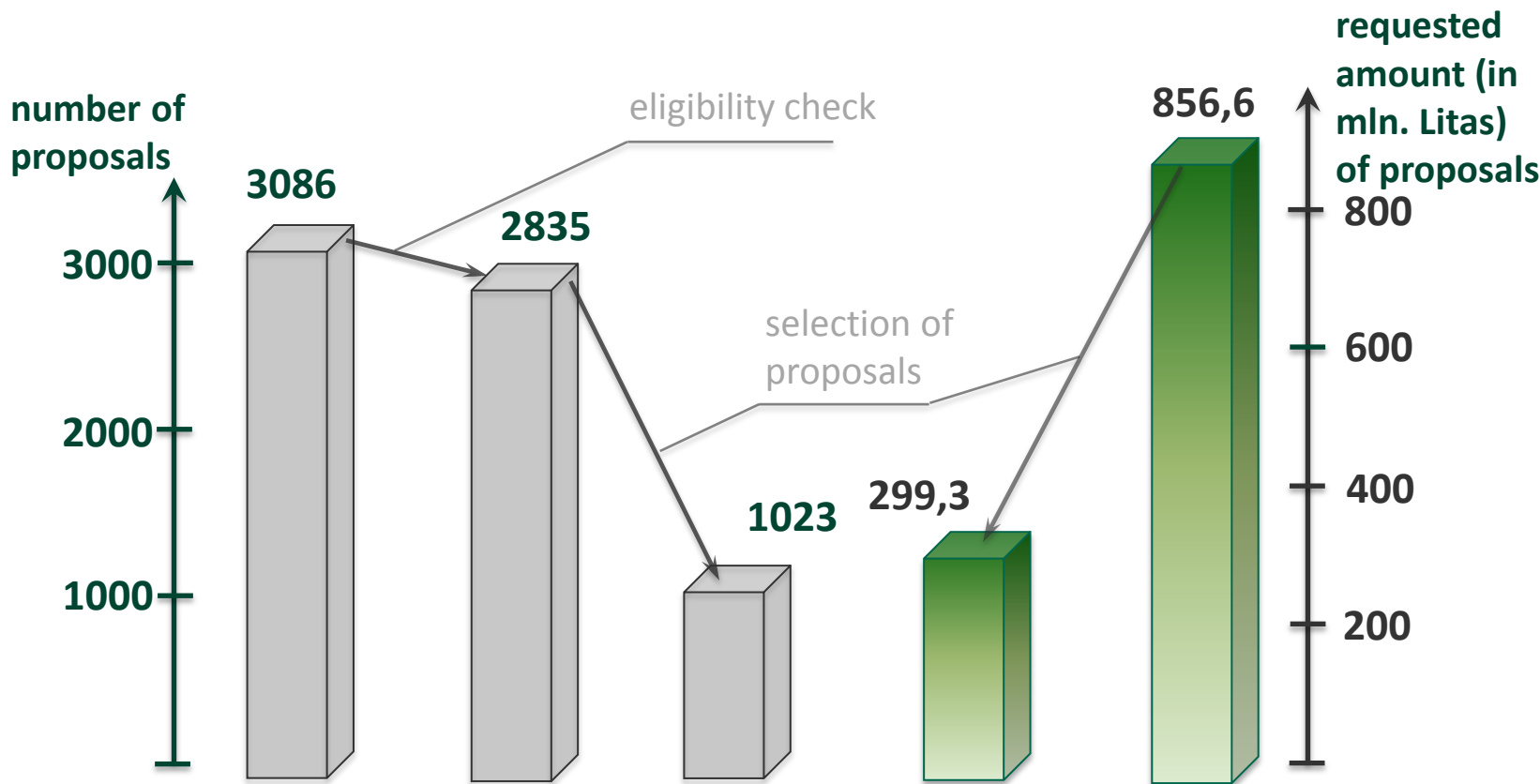


1 € ≈ 3,5 Litas



Number of Proposals and Funding Level in 2009–2012 at the Research Council of Lithuania

Research Funding at the Council



Proposals retained after eligibility check – 91,9 (in percent); success rate after selection 36,1 (33,2 before check) according the number of proposals and 34,9 according the requested amount of proposals



Lietuvos
mokslo
taryba

Thank you for attention!



Lietuvos
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Global Grant

World-class research projects

Andrius Kaveckas
Head of Individual Grants Unit
andrius.kaveckas@imt.lt

13 June, 2013
Vilnius



- 100% ESF structural funding – 35 EUR Million
- Funding period –2011-2015
- Research projects – of any scientific field
- Project leaders – Lithuanian and foreign researchers of international excellence and world-class
- Projects – 2-4 years, 0,2-0,5 EUR Million
- Senior researchers and young researchers “compete” in separate groups



Administrative check (3-4 weeks)

Quality assessment of a project (4 weeks)

- Individual (peer-review) – 2-4 experts
- Expert group – up to 15 experts in panel

Financial check (3-4 weeks)

for those projects that passed the expertise



COSTS	Restrictions on amount of direct costs
SALARIES for research group members	< 80 %
MISSIONS of research group members	< 20 %
SERVICES training, publishing etc.	< 30 %
EQUIPMENT laboratory, medical, office equipment etc.	< 25 %
INDIRECT COSTS (<i>overheads</i>)	17-20 %



RESEARCHERS RESEARCH AREA	1st Call	2nd Call		3rd Call	
		Young	Senior	Young	Senior
HSS*	11	3	11	4	13
PBTAS**	22	6	15	4	13
Million EUR	11.6	12.2		8.7	

* *Humanities and Social Sciences*

** *Physical, Biomedical, Technological and Agricultural Sciences*

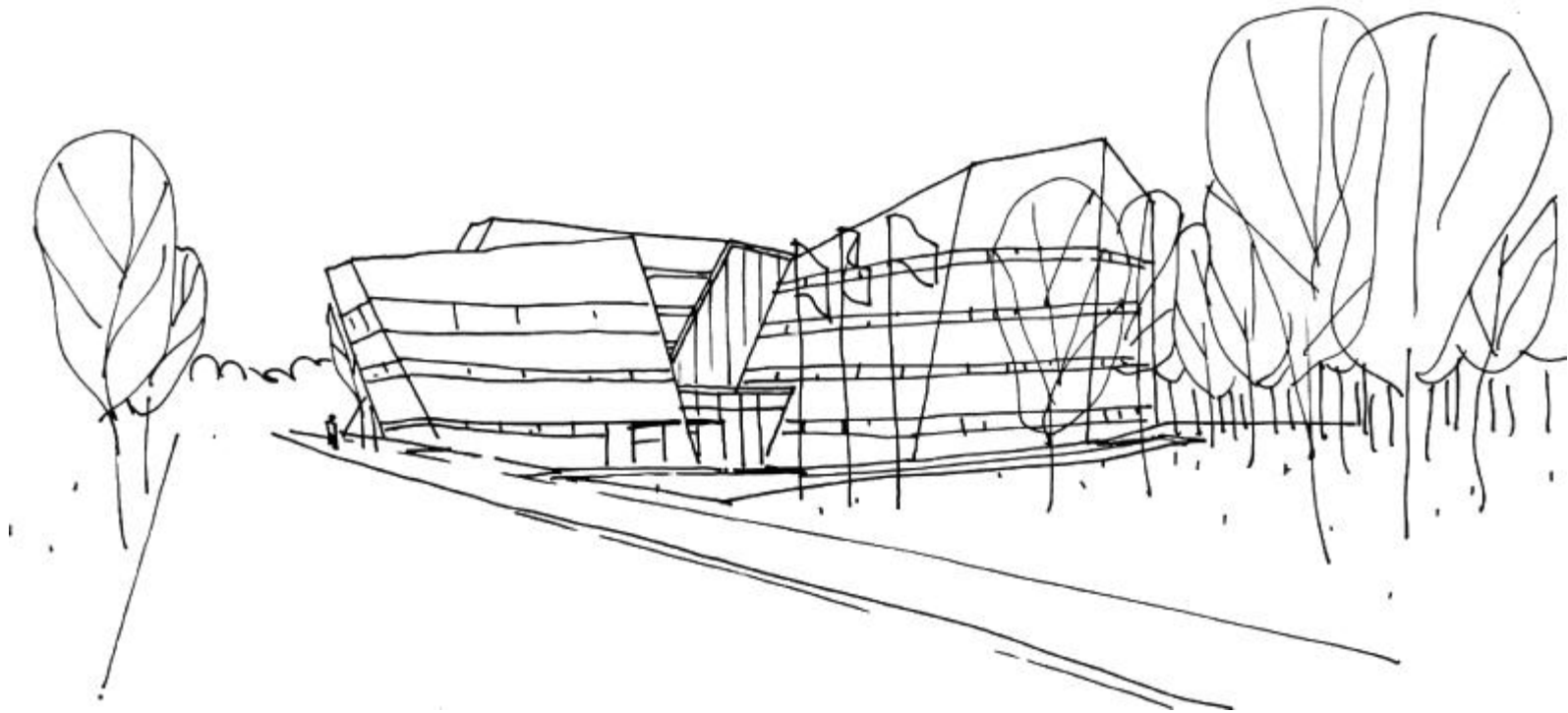


17	Lithuanian universities, research centres acting as host institutions
15	Foreign researchers – project leaders (UK, USA, FI, UA, IT, DE)
7	Lithuanian researchers (project leaders) who returned to Lithuania from abroad to implement projects

Vilnius University Library: Center for Science Communication and Information (CSCI)



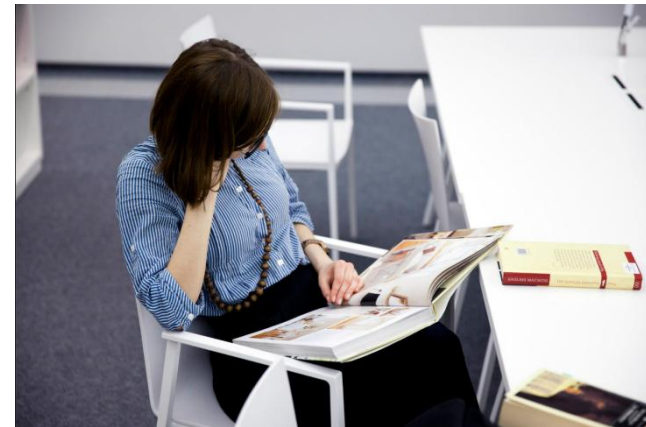
VILNIAUS UNIVERSITETO
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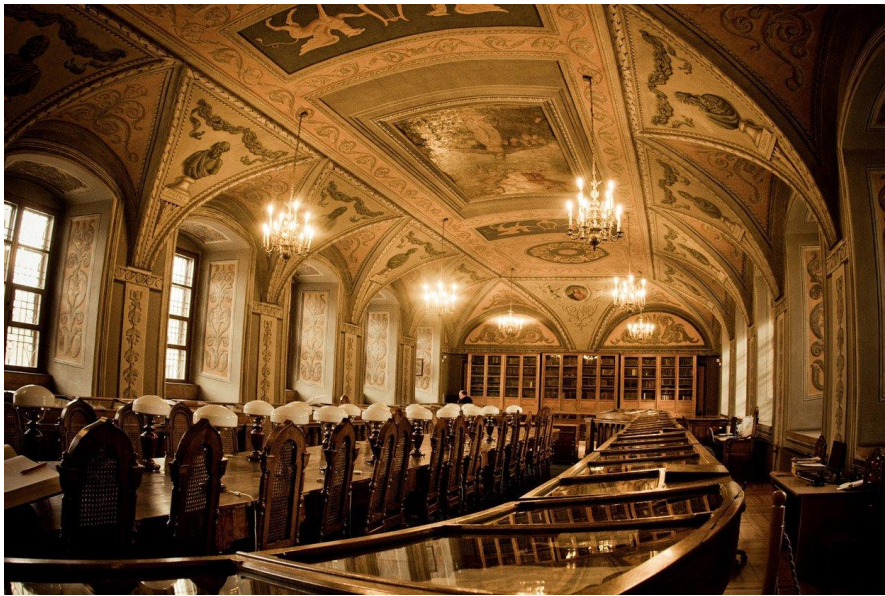


VU library's principles of development

- Functionality (open-end funds, universal space)
- Open (available 24 hours a day, 7 days a week, "the user should feel comfortable")
- Flexibility ("mobile" space and flexible service)
- Rationality (information resources specific area of science concentrated in one place, optimum use of space)
- Aesthetics (unique architecture, enabling environment)

Basic assumption - the user should feel comfortable





- Historical Library of the Humanities and Social Sciences
- Research Centre for Cultural Heritage Collections
- Library serving faculties located in the central building of VU (Central Library)



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1 + 1=1: Central Library + CSCI =VUL

- Library serving the research and business communities “Saulėtekio slėnis”
- Library of physical, technological and biological sciences, social sciences library
- Library serving four UW faculty located in Sauletyakis



Sauletyakis (Valley of the Rising Sun)

communities : scientists, students, entrepreneurs



Today:

- Four faculties of Vilnius university
- Vilnius Gediminas Technical University
- Students living in the dorms
- Temporary users (for example, conference participants), other library users

In the Future:

National research centers:

- Physical and Technological Sciences
- Life Sciences

Industrial enterprises

CSCI

Rooms for individual work

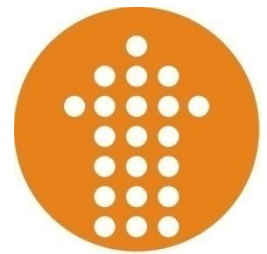


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BIBLIOTEKA



CSCI

Rooms for individual work



VILNIAUS UNIVERSITETO
BIBLIOTEKA



CSCI

Rooms for individual work

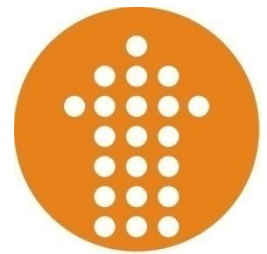


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CSCI

Rooms for individual work



VILNIAUS UNIVERSITETO
BIBLIOTEKA



CSCI

Rooms for group work



VILNIAUS UNIVERSITETO
BIBLIOTEKA



CSCI

Rooms for group work

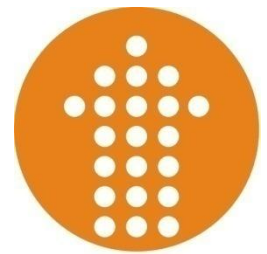


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CSCI

Seminar events hall equipped with a wide range of technologies



VILNIAUS UNIVERSITETO
BIBLIOTEKA

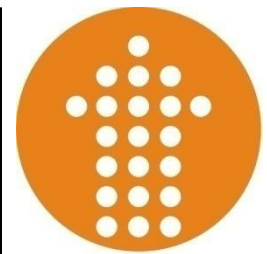


Interactive whiteboards

Ability to conduct tests, surveys, voting system through interactive participation (48 screens with two receivers of data).

CSCI

Seminar events hall equipped with a wide range of technologies



VILNIAUS UNIVERSITETO
BIBLIOTEKA



CSCI Conference hall



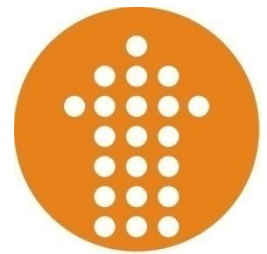
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Possibility of organizing on-line meetings, presentations, training, conferences, as well as their record.

CSCI

Conference hall

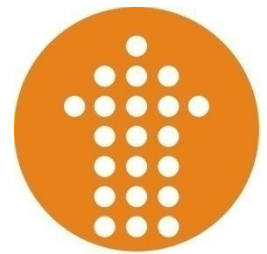


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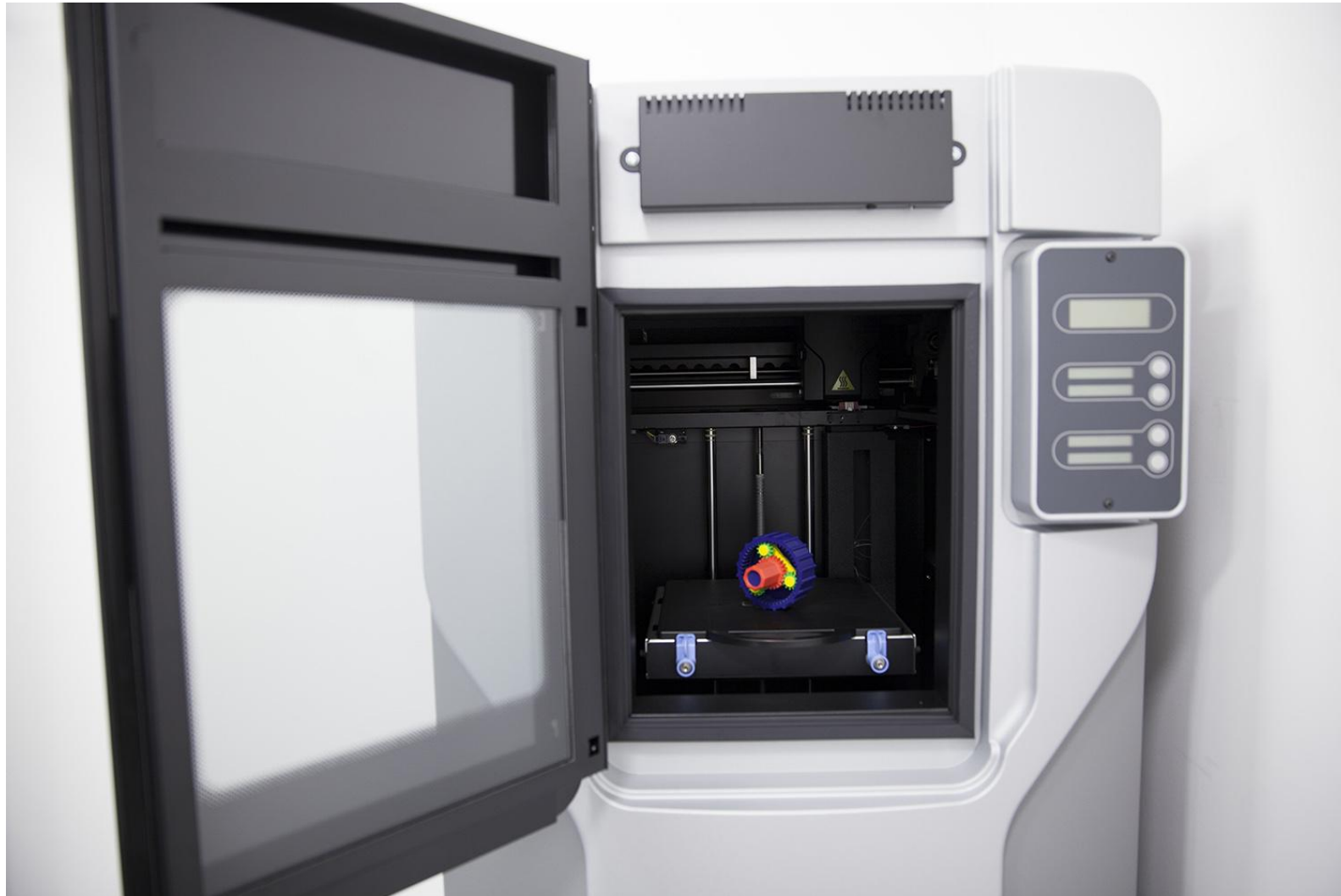


CSCI

Modern equipment – 3D printer and 3D scanner



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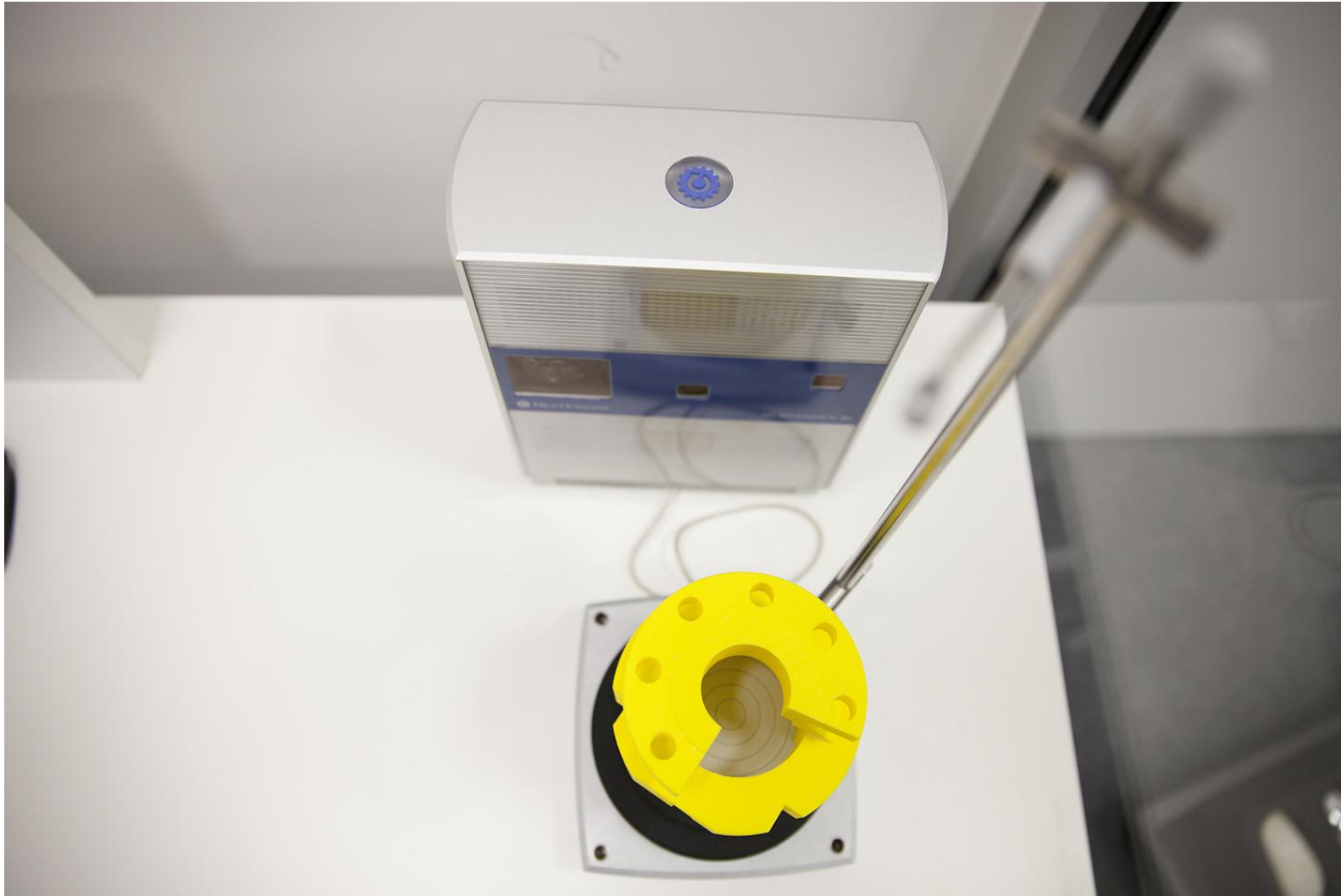


CSCI

Modern equipment – 3D printer and 3D scanner

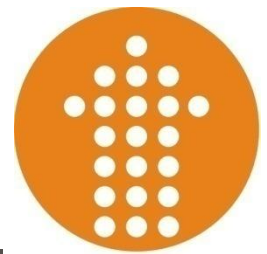


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Modern equipment – smart boards



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Modern equipment – information terminals

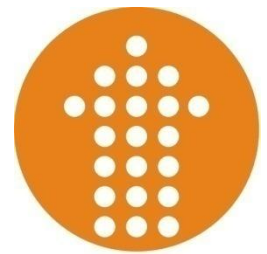


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Modern equipment – borrowing and returning books automatic system



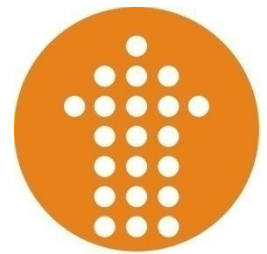
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The equipment was installed inside and outside CSCI. Having self-service machines installed outside, users will be able to return the publication at any time.

CSCI

Modern equipment – borrowing and returning books automatic system



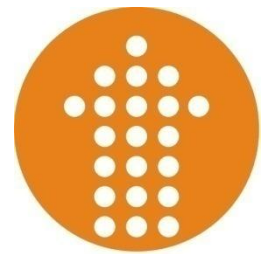
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Book transportation system

- The system consists of two main parts: equipment based on the RFID technology and the system for transporting books.
- The system allows visitors to borrow and return books using the system.
- Returned books are transported by elevator and placed on the technical floor where the book sorter is installed. Using standard algorithms this machine sorts the books and loads them into shipping containers that travel on fixed station (closest to the storage of books) . There they are discharged into the book cart.
- Library staff only needs to put books on shelves. If the book was ordered by another user, the system identifies it and sends the book directly to where it can be borrowed.
- The book transportation system consists of 450 meters of rails mounted around the whole building , 45 shipping containers , conveying 17 stations , 20 turnouts (switch containers from one track to another)



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New services and functionality



- **Expert in the subject (thematic) information** ("personal librarian " for resource planning and improvement of information skills)
- **Information and consultation on open access**, bibliometric research and other specialized training organization
- **Provision of services for conferences** (conference rooms and equipment)
- **IT lab** : computer workstations equipped with special software and technical devices
- **Virtual Tour** - an interactive software solution helps users navigate the library and services that it provides. This system allows you to book rooms for individual and group work .
- **3D laboratory (3D scanner , 3D printer)** , dedicated to the development and manufacturing of three-dimensional objects .
- **Automatic system for borrowing and returning of books**, books transportation system based on RFID technology.

Laboratory for users with disabilities (Braille printer software to convert text, electronic magnifying glass).

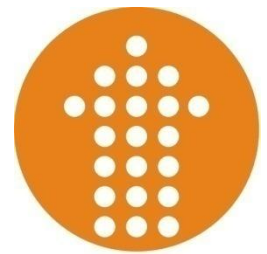
Surrounded by technology

- CSCI has 165 workstations with stationary computers for users, seminar rooms which provide 44 additional places for people to work with laptops provided by the library.

IT laboratories provide a spectrum of software programs:

- IT labs provide designers with "Adobe" package for image processing, vector graphics and simulation, for the preparation of digital publications are available "Adobe Creative Suite 6 Design Standard", consisting of software, such as "Adobe Photoshop", "Adobe Illustrator", "Adobe InDesign" etc.;
- In the laboratory, anyone can edit and alter visual files of different formats, create audio tracks on the software "Sony Vegas Movie Studio Platinum HD 11 Suite";
- Graphics tablets, headphones, microphones, devices for reading various types of memory cards, scanners, and video cameras, cameras, tape recorders can be used;
- Architects will be able to work with the software "AutoCAD". This is an automated graphic design system used for drawing, sketching;
- Software "Matlab" can be a serious assistant for automation engineers scientific and engineering calculations;
- Other software: "Maple", "Origin Pro", SPSS.

CSCI is the place for



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All the students...

CSCI is the place for those



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Who came here to spend time with friends...

CSCI is the place for those



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Who came here with his/her kids...

Some numbers

Reading halls– 9 with open funds, 300,000 items stored

Working stations – 803:

- in the reading halls– 524
- in the Anteroom– 108
- in the IT laboratory– 10
- in the seminar rooms– 90
- in the group rooms– 28
- in the individual rooms– 37
- in the room for users with children– 6



Architectural solutions

Architect Rolandas Palekas

- Library as an architectural accent
- Architectural solutions in harmony with the environment "kind of pines outside the window will always be in fashion" (Rolandas Palekas)
- Boulders on the edge of the woods? Swan with outstretched wings?
Nuclear power? Open book?
- Everyone will see / will discover his own library



Questions?