

Univerza Universitas
v Ljubljani Labacensis



University of Ljubljana

Excellence in Research
Prof. dr. Goran Turk, Vice-rector

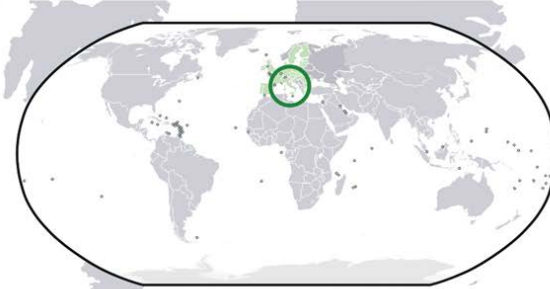
January 2017

Republika Slovenija



Univerza v Ljubljani

Slovenia



We are **comprehensive,**
traditional, research oriented

University.

- **40.833,5** students
- **9.684** graduates
- **5.747** employees
- an annual budget of
app. **287 mio €**





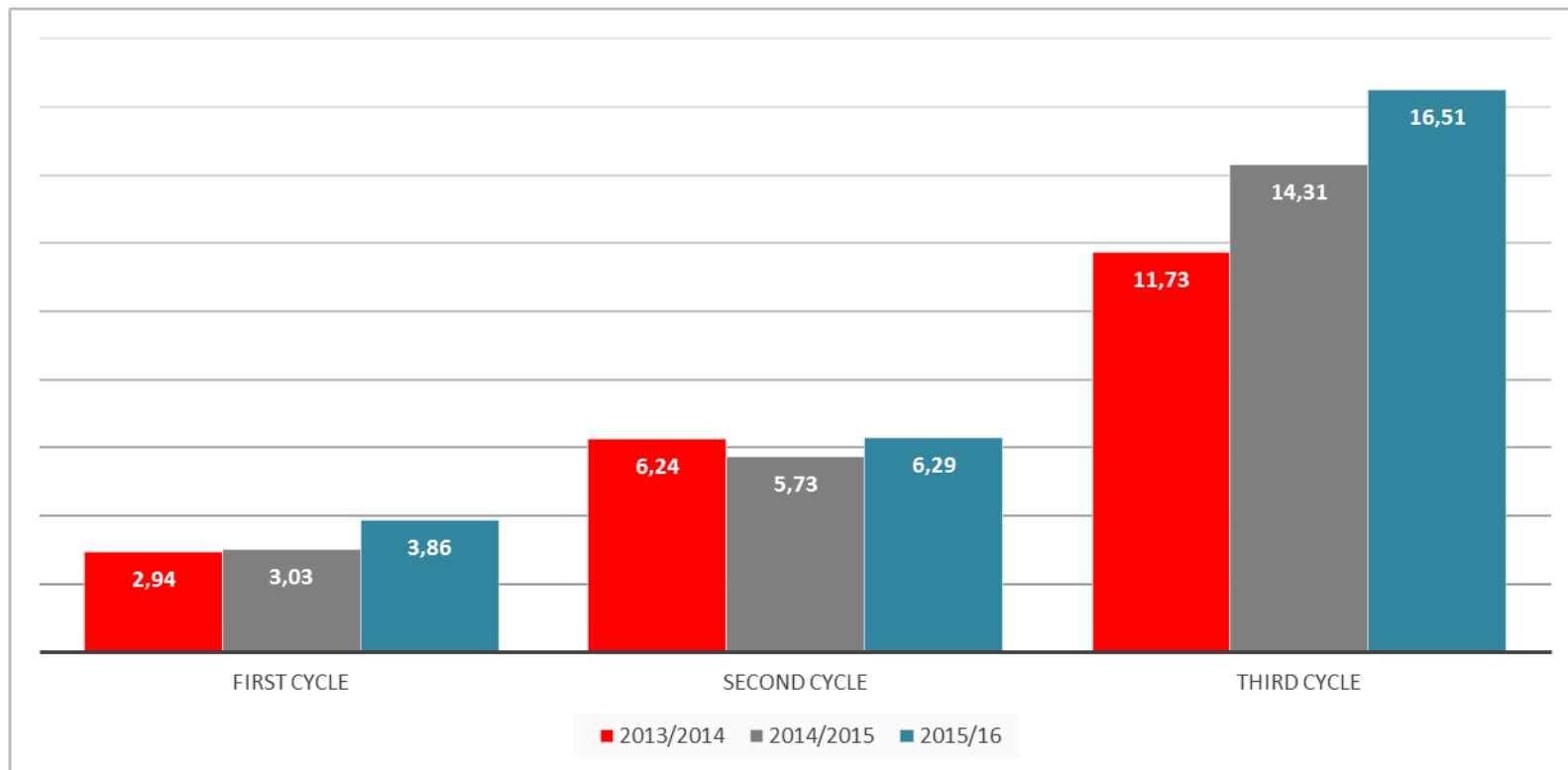
University of Ljubljana

- Established in 1919 with 5 member schools
- At present the University of Ljubljana consists of:
 - 23 faculties and
 - 3 arts academies





Internationalisation - Foreign Students



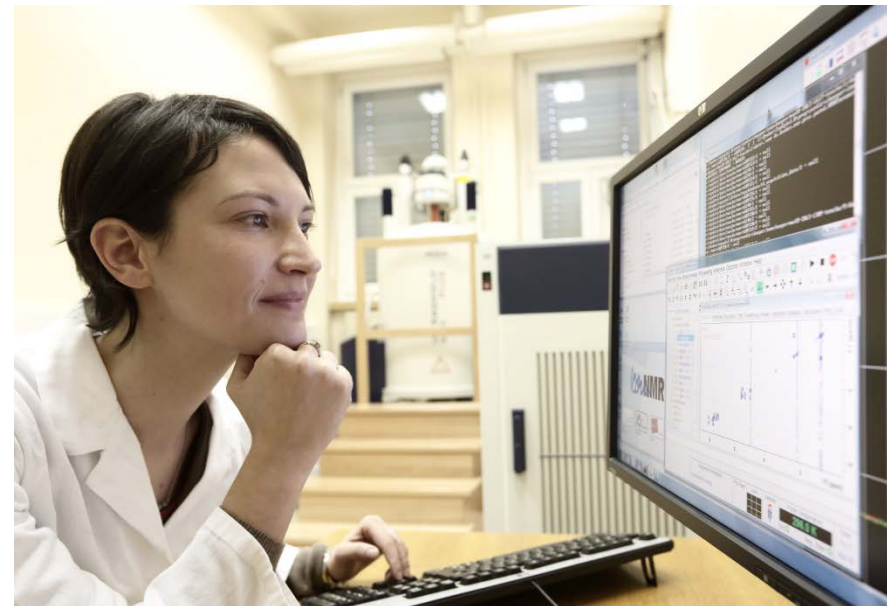
In 2015:

- 674 applied projects in all science and professional areas (10 mio €)
- 0 young researchers from industry (40 in 2014)
- 607 guest speakers from business
- 473 guest speakers from different applied research institutions
- 28 accredited life-long learning programmes
- 135 other forms of life-long learning with more than 4.682 attendees
- 113 projects of students in cooperation with employers as a part of study programmes
- Theses (all study levels) in cooperation with business and public sector institutions

Direct Cooperation with Business and Society

Research focus at University of Ljubljana

- **3946** registered researchers
- **331** young researchers + **16** post-docs
- **196** long-term research programmes
- **440** research projects
- Every teacher is expected to be involved in research





Strong in research

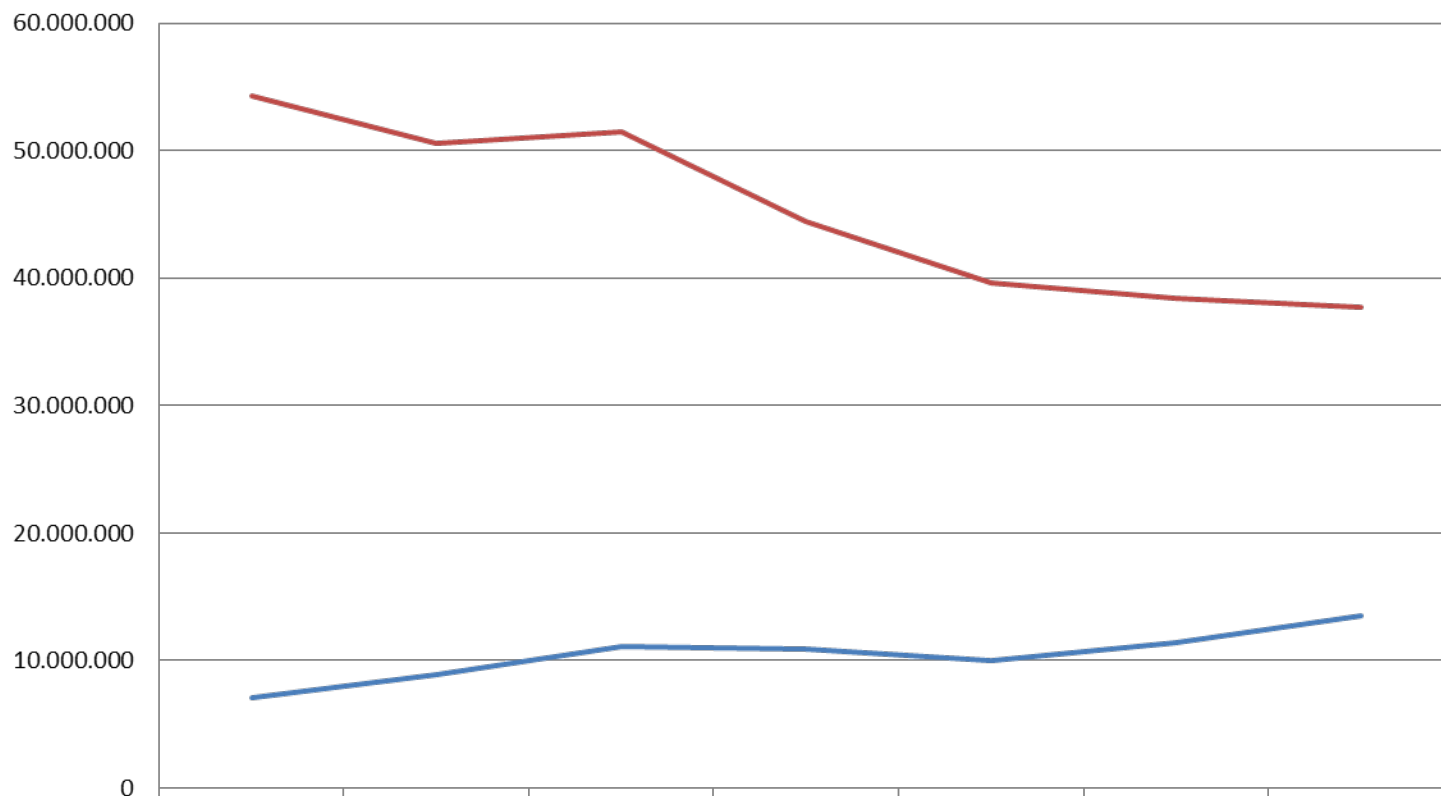
AREAS	ACROSS/HORIZONTAL AREAS ICT – Creative Industries – Sustainability of Environment
HEALTH	Translational medicine and new medicaments; New technologies in medicine; Healthy life.
ENERGY	Alternative sources of electricity; Smart energy networks; Efficient use of energy; Energy saving.
ADVANCED TECHNOLOGIES AND MATERIALS	Wood, wood production technologies and innovative construction; Biotechnology and waste recycling; Advanced production processes – robotics, lasers...; Advanced composit materials and alloys.
QUALITY OF LIFE	Economic, legal and organisational efficiency; Social justice and ethical acceptability; Culture and arts.



Research expenditure at UL

National funds decreasing, European and international funds increasing

UL R&D public expenditure in period 2009-2015



	leto 2009	leto 2010	leto 2011	leto 2012	leto 2013	leto 2014	leto 2015
— EU&international projects	7.105.530	8.875.091	11.109.024	10.894.138	9.972.796	11.440.238	13.519.691
— National projects	54.255.841	50.583.465	51.464.421	44.448.756	39.611.274	38.420.276	37.739.370

EU R&D: EU 13 TOP 10 in FP7

Rank	ORGANIZATION	PARTICIPATIONS in FP7	Country
1	UNIVERSITY OF LJUBLJANA	160	SI
2	CHARLES UNIVERSITY OF PRAGUE	114	CZ
3	BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMIES	106	HU
4	UNIVERSITY OF CYPRUS	93	CY
5	UNIVERSITY OF TARTU	96	EE
6	UNIVERSITY OF WARSAW	89	PL
7	CZECH TECHNICAL UNIVERSITY IN PRAGUE	87	CZ
8	WARSAW UNIVERSITY OF TECHNOLOGY	78	PL
9	JAGIELLONIAN UNIVERSITY	62	PL
10	CENTRAL EUROPEAN UNIVERSITY	60	HU

UL cooperation in HORIZON 2020

With the amount of more **than 12,5 mio €** of EU contribution University of Ljubljana (which contributes almost half of the research results in Slovenia) is among the **leading organisations in Slovenia.**

54 approved H2020 projects

Strategic partnerships for EU research cooperation

- KU LEUVEN - Katholieke Universiteit Leuven
- CELSA – *Central Europe* Leuven Strategic Alliance
- LERU- 7 Central European Universities
- GUILD
- Members of VISION2020



8 Centers of Excellence

Financed by ERDF from 2009 to 2013

THE UNIVERSITY OF LJUBLJANA IS THE COORDINATOR OF TWO APPROVED CENTRES OF EXCELLENCE:

- **CO BIK**: Centre of Excellence for Biosensorics, Instrumentation and Process Control (Faculty of Economics, Faculty of Electrical Engineering)
- **CO SPACE.SI** – Space: Science and Technologies Centre of Excellence (Faculty of Natural Sciences and Engineering, Faculty of Electrical Engineering, Faculty of Mathematics and Physics)

In addition to the above, four other centres of excellence received approval, all including the University of Ljubljana as a partner:

- **CO NIN** – Centre of Excellence for Nanoscience and Nanotechnology
- **CO CIPKeBiP** – Centre of Excellence for Integrated Approaches in Chemistry and Protein Biology
- **CO NOT** – Centre of Excellence for Low-Carbon Technologies
- **CO NAMASTE** – Centre of Excellence for Advanced Non-Metallic Materials with Technologies of the Future
- **CO POLIMAT** – Centre of Excellence for Polymeric Materials and Technologies
- **CO EN-FIST – NMR** – Centre of Excellence for Research in Biotechnology, Pharmacy and the Physics of Matter



7 Competence Centers

Financed by ERDF from 2010 to 2013

Short name	Title of the Competence center	Tematic field	Faculties
KCSTV	CC for Advanced Control Technologies	Process technologies (complex systems and innovative technologies)	FS, FE
KC SURE	CC – Advanced Systems for Efficient Use of Electrical Energy	The efficient use of electrical energy (technologies and sustainable economy)	FS, FE
KC BME	CC – Biomedical Technology	Biomedical technology (health and life science)	FS, FE
KC TIGR	CC for Sustainable and Innovative Construction	Sustainable construction technologies	FA, FGG, FKKT, FS
KC BRIN	CC for Biotechnological Development and Innovations	Food and health (health and life science)	BF
KC CLASS	CC – Cloud computing Services	Networks and Services (information and communication services)	FE, FRI, EF
KC OPCOMM	CC – Open Communications Platform for Integrated Services	User platforms and interfaces (information and communication technologies)	FE, FRI

FUND for the promotion of cooperation in EU projects

In 2014 UL established the UL Fund for the promotion of cooperation in EU projects (from 2017 on called UL Development fund) from which we finance:

- Incentives for young researchers
- Incentives for multidisciplinary and coordinating projects
- Education and trainings of researchers (special focus on ERC and Marie Curie)
- Memberships in different networks

Mobility of Researchers – HR Excellence in Research

From 2008, the University of Ljubljana is committed to respect the principles of the **European Charter for Researchers and the Code of Conduct for Recruitment of Researchers** in its strategy for the development of researchers' careers.

The commitment is worded in the **UL Strategy for Researchers' Career Development for the Period 2012-2016** and the **Action plan**. As a result of its efforts UL received the right to use the logo **HR EXCELLENCE IN RESEARCH** in 2013 and successfully carried out internal evaluation in 2015. External evaluation is expected in 2017.



Ethical commitments in UL Strategy for Researchers' Career Development

2. goal: Raise awareness of researchers and students on ethics in research

- Measures and activities:
- prepare a document on ethics in research : Code of ethical conduct in research

3. Tightening the commitment of every individual to conduct in line with the University of Ljubljana Ethical Code or responsibility in case of unethical and unprofessional conduct

- Measures and activities:
- prepare the statement or the commitment declaration of individual UL employees, to follow the UL Ethical Code, the professional code and the UL values.

4. Establishing a system of raising awareness of researchers to work in line with the UL values and ethical principles as well as with the code of their professional or research activity or training area

- Measures and activities:
- adopt a framework programme of regular periodic informing and training of researchers and researchers-beginners with the UL ethical code, with the document on ethics in research, with the ethical codes of specific professional area

Ethical commitments in UL Strategy for Researchers' Career Development

Senat of the University of Ljubljana at its 12th regular session on 25 th November 2014 accepted

Code of Ethical conduct for researchers

Statement of every researcher and **Program of informing** is published at UL web page:

[https://www.uni-lj.si/research and development/ethics in research/](https://www.uni-lj.si/research_and_development/ethics_in_research/)

Programming of new Action Plan for UL Strategy in research careers 2017-2020

In 2017 UL will prepare new Action Plan for the measures to improve the excellence of research implementation and support the careers of researchers.

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Presented by:
Prof. dr. Goran Turk
Vice-rector

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