



# **ACADEMIC STRENGTH OF REYKJAVIK UNIVERSITY**

**RU RESEARCH SERVICES 2018**

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# The Academic Strength of Reykjavik University (RU)

(Report from RU Research Services, February 2018)

## Introduction

The overall aim of the RU Research Service is to assist the University in implementing its research strategy (<http://en.ru.is/research/about/ru-research-strategy/>) and to support academic employees at the University in becoming researchers of international quality. The three main objectives of the RU Research Services are:

1. to assist financing research at RU, e.g. by monitoring grant opportunities in Iceland and abroad and provide support in the writing of applications and management of grants
2. to monitor and evaluate research activities at RU, e.g. carry out the RU Annual Research Assessment, collect data on research activities, do research statistics and write reports on research development and the academic strength of RU
3. to disseminate RU research activities within and outside RU and build connections with the main funders of research, both national and international funding agencies.

This report is divided into two main chapters. The first chapter is on RU publications in peer-reviewed outlets and the second chapter outlines research grants from national and international competitive research funds to RU. There are three appendixes. The first one is about RU Annual Research Assessment, the second one is about publications in peer-reviewed outlets at RU Schools and the third one is a list of grants RU has received from national competitive funds.

## RU publications in peer-reviewed outlets

This report is first and foremost based on data from the research reports, which academic employees with research duties submit annually to RU Research Services. According to RU rules, all academic employees with research duties should submit a research report on 1<sup>st</sup> of October each year. RU affiliated publications by academic employees leaving the University before the 1<sup>st</sup> of October are unfortunately not included in this report. Consequently, number of RU affiliated publications annually is in fact a little bit higher than actually reported in this report.

The annual research report is divided into the following six sections: 1. Complete list of research output in peer-reviewed outlets; 2. Complete list of research output in non-peer-reviewed outlets; 3. Talks and presentations; 4. Other research-related work (obtained grants, supervision of research students, awards, editorial work, etc.); 5. Other relevant information; and 6. Other research-related performance criteria.

The section on research output in peer-reviewed outlets is divided into the following five chapters: 1. Articles in peer-reviewed scholarly journals; 2. Articles, posters and abstracts in peer-reviewed conferences/ symposia/proceedings; 3. Peer-reviewed books; 4. Peer-reviewed book chapters and 5. Other peer-reviewed publications.

All evaluated academic employees are obliged to provide information on whether their publications are RU affiliated or not and whether articles published in scholarly journals are published in so called ISI journals (<http://science.thomsonreuters.com/mjl/>). ISI is the abbreviation for Institute for Scientific Information and ISI journals are regarded as journals of high quality and with high impact. The most important publishing standards and qualities of ISI journals are timeliness of publication and the peer-review process (at least two expert reviewers per article). Furthermore, the journal's impact and the citation data associated with it are important factors.

Table 1: Academic employees evaluated in the RU Annual Research Assessment 2017 (Source: Annual research reports 2017).

	Number of Professors / Deans	Number of Associate Professors	Number of Assistant Professors	Number of other academic employees*	Total
School of Business	9	7	9	4	29
School of Computer Science	6	3	7	5	21
School Law	2	8	1	4	15
School of Science & Engineering	15	9	14	12	50
<b>Total</b>	<b>32</b>	<b>27</b>	<b>31</b>	<b>25</b>	<b>115</b>

\* Other academic employees: Adjuncts, postdocs, visiting professors and other researchers.

Table 2: FTE's of academic employees evaluated in the RU Annual Research Assessment 2017 (Source: Annual research reports 2017).

	Professors/ Deans	Associate Professors	Assistant Professors	Other academic employees*	Total
School of Business	7,2	5,1	8,2	3,7	24,2
School of Computer Science	5,2	2,4	5,9	4,5	18,0
School of Law	2,0	7,3	1,0	4,0	14,3
School of Science & Engineering	12,2	7,5	12,6	11,1	43,4
<b>Total</b>	<b>26,6</b>	<b>22,3</b>	<b>27,7</b>	<b>23,3</b>	<b>99,9</b>

\* Other academic employees: Adjuncts, postdocs, visiting professors and other researchers.

Table 3: Percentage of academic employees evaluated in the RU Annual Research Assessment 2017, who holds a Ph.D. - degree (Source: Annual research reports 2017).

	Professors/ Deans	Associate Professors	Assistant Professors	Other academic employees*
School of Business	100%	100%	100%	75%
School of Computer Science	100%	100%	100%	100%
School of Law	100%	13%	0%	25%
School of Science & Engineering	100%	89%	100%	83%

\* Other academic employees: Adjuncts, postdocs, visiting professors and other researchers.

Table 4: Gender of evaluated academic employees in the Annual Research Assessment 2017  
(Source: Annual research reports 2017).

(M = Males; F = Females)	Professors/ Deans		Associate Professors		Assistant Professors		Other academic employees*	
	M	F	M	F	M	F	M	F
<b>School of Business</b>	78%	22%	57%	43%	44%	56%	50%	50%
<b>School of Computer Science</b>	67%	33%	67%	33%	100%	0%	86%	14%
<b>School of Law</b>	50%	50%	38%	62%	100%	0%	75%	25%
<b>School of Science &amp; Engineering</b>	93%	7%	100%	0%	71%	29%	75%	25%

\* Other academic employees: Adjuncts, postdocs, visiting professors and other researchers.

Publications are counted according to the following method: If an article has two or more authors employed at RU, the article is counted only once. The same applies for abstracts, books, book chapters, etc.

Publication traditions are very different from one scientific field to another. Although all statistical data in this report is presented here in the same way for all Schools (departments), it is not done with the aim of enabling a comparison between the Schools. The data is first and foremost presented here to give a comprehensive view of the academic strength of the University/Schools and how it has developed since 2007.

According to the annual research reports 2017, about 38% of RU publications in peer-reviewed outlets are in peer-reviewed scholarly journals, about 54% at peer-reviewed conferences/in conference proceedings and about 7% are peer-reviewed books and book chapters. The total number of publications in peer-reviewed outlets has markedly increased between the years 2007-2017, i.e. quadruple in number (see figure 1).

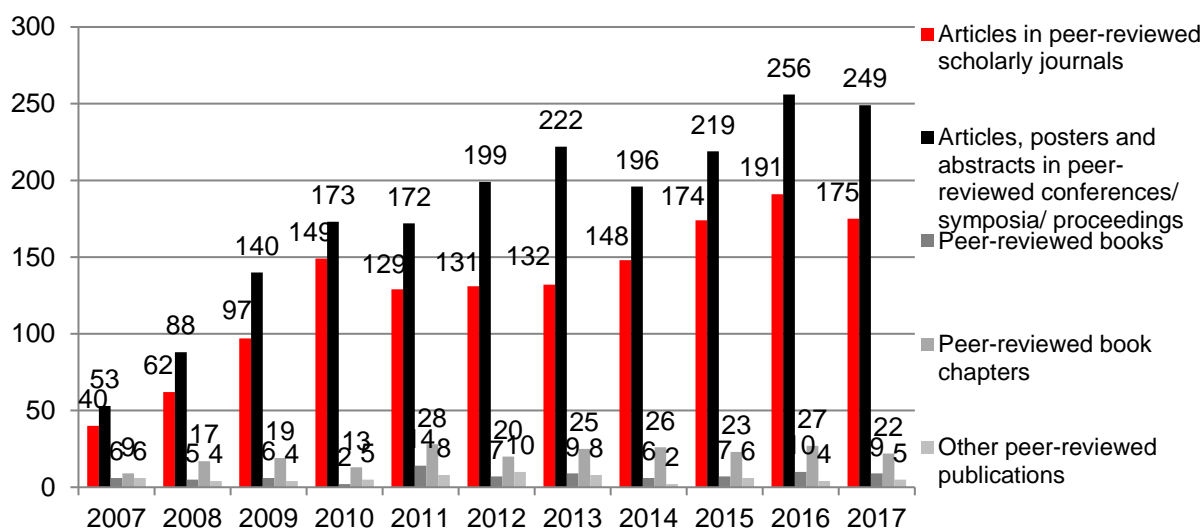


Figure 1: Number of RU affiliated publications in peer-reviewed outlets 2007-2017 (Source: RU Research Reports 2007-2017).

Not only the number of articles in peer-reviewed scholarly journals have been increasing gradually, the proportion of articles published in ISI journals has also increased markedly (see figure 2). At the School of Business, the percentage of ISI publications was 83% in 2017, 93% in School of Computer Science and 89% in School of Science and Engineering (see figure 3).

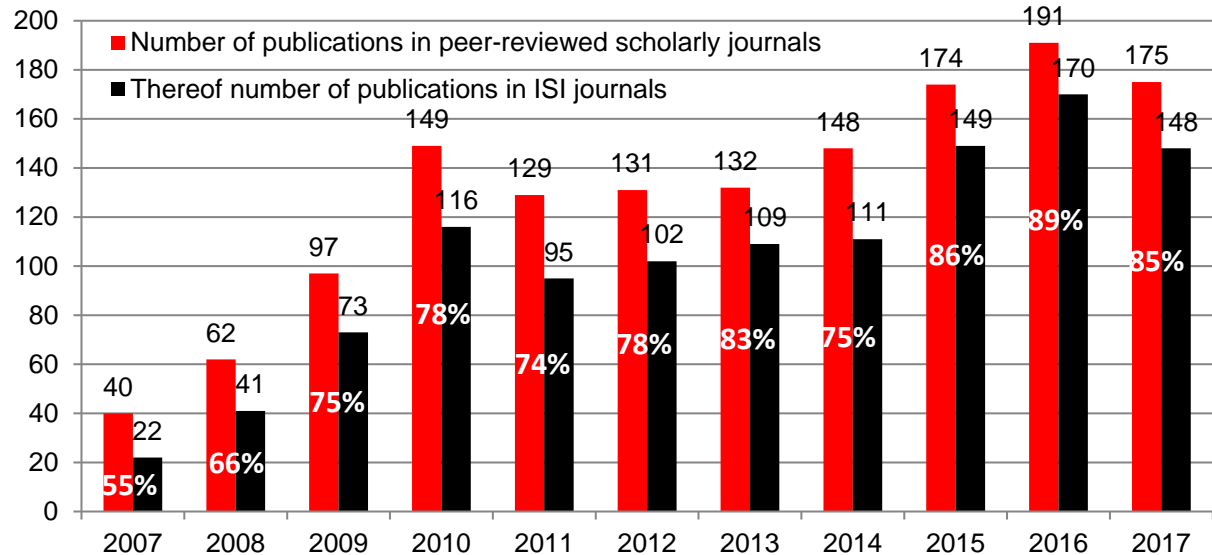


Figure 2: Number of RU affiliated articles in peer-reviewed scholarly journals 2007-2017 and the number of those publications in ISI journals (Source: RU Research Reports 2007-2017).

School of Law publishes proportionally more in domestic peer-reviewed outlets than the other schools at RU (the same applies to other national law departments and law departments in other countries). It is important to bear in mind, that in some cases it is not relevant to publish the results in other than peer-reviewed domestic outlets. However, these publications may well provide evidence of international excellence if they can be compared favorably with similar studies in other countries.

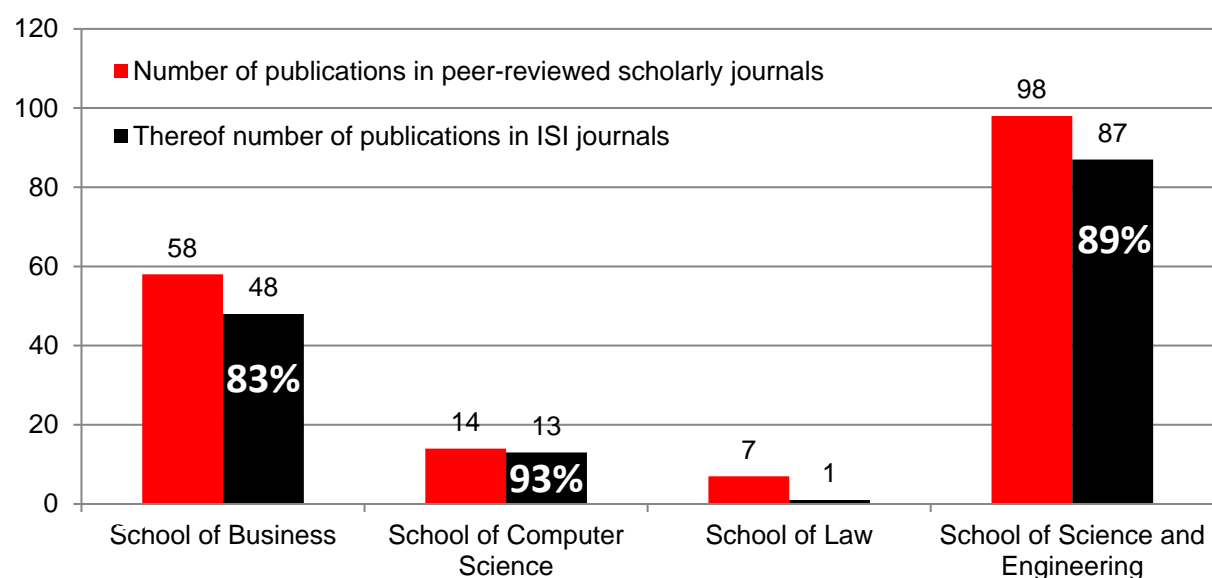


Figure 3: Number of RU affiliated articles in peer-reviewed scholarly journals 2017 and the number of those publications in ISI journals (Source: RU Research Reports 2017).

The number of RU affiliated publications in peer-reviewed outlets annually per academic employee has increased over the period 2007-2017, from 1,1 in 2007 to 4,0 in 2017, see figure 4. The number of RU affiliated articles in peer-reviewed scholarly journals per academic employee has also increased, i.e. from 0,4 in 2007 to 1,5 in 2017, see figure 5. Number of RU affiliated publications at peer-reviewed conferences/in conference proceedings have also increased, i.e. from 0,5 in 2007 to 2,2 in 2017, see figure 6. Around 96% of all publications published in 2017 are in English, see figure 7.

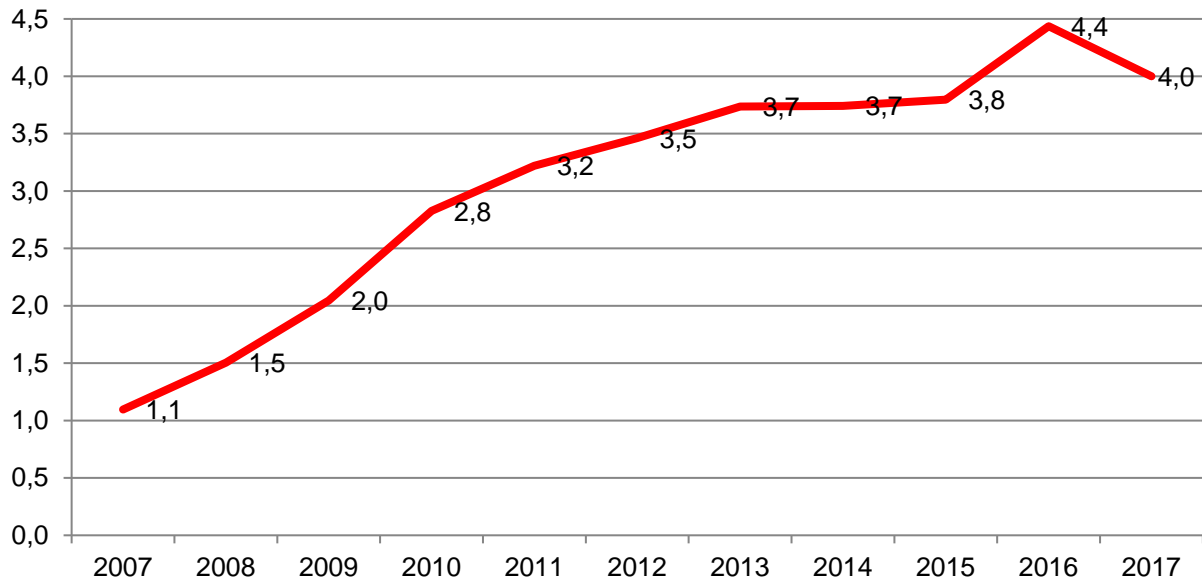


Figure 4: Number of RU affiliated peer-reviewed publications per academic employee evaluated 2007-2017 (Source: RU Research Reports 2007-2017).

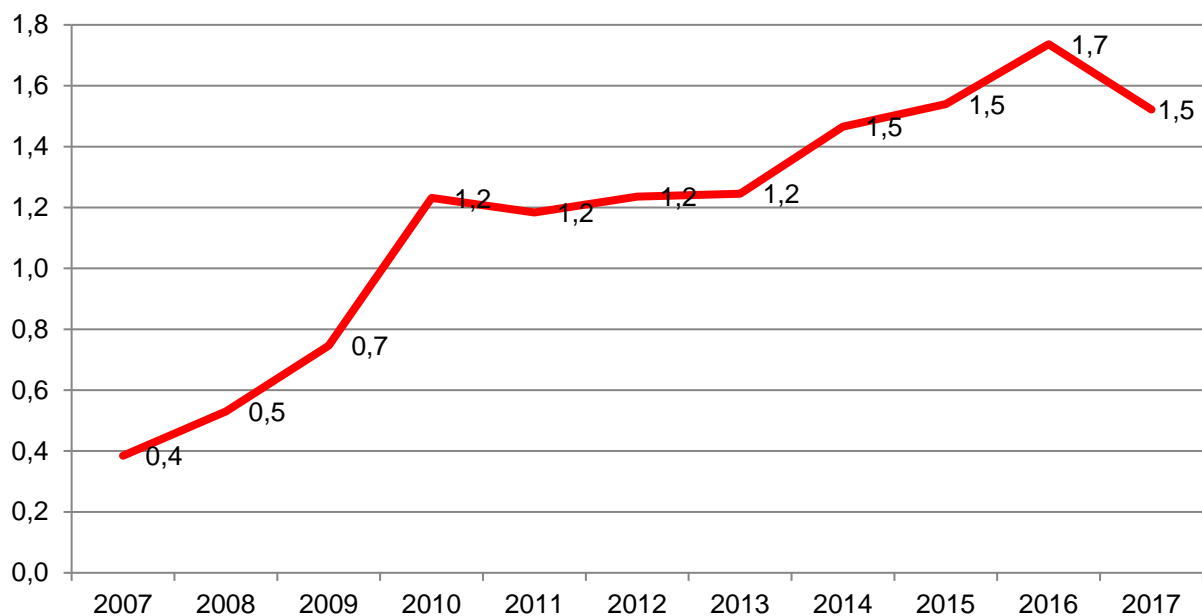


Figure 5: Number of RU affiliated articles in peer-reviewed scholarly journals per academic employee evaluated 2007-2017 (Source: RU Research Reports 2007-2017).



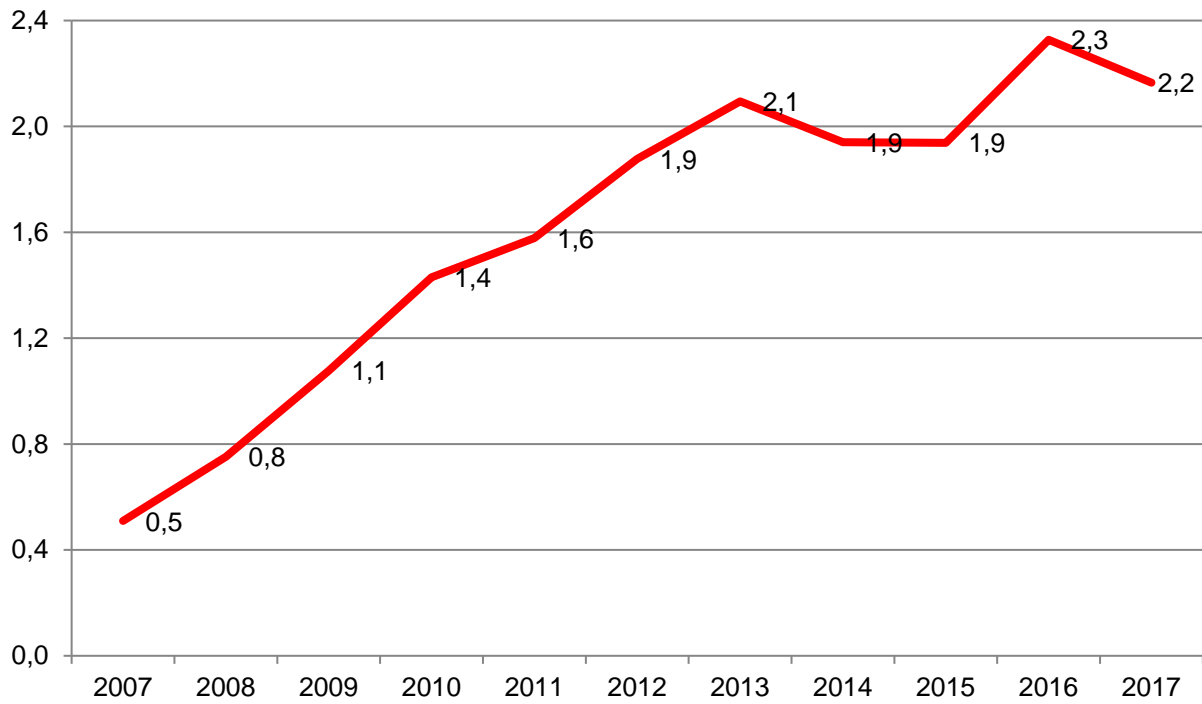


Figure 6: Number of RU affiliated publications at peer-reviewed conferences per academic employee evaluated 2007-2017 (Source: RU Research Reports 2007-2017).

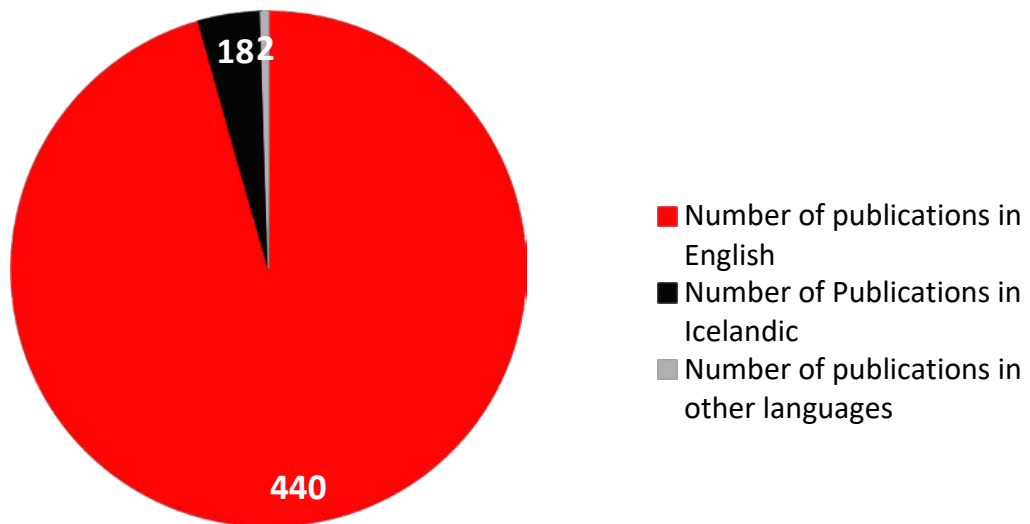


Figure 7: Number of RU affiliated publications in peer-reviewed outlets per language 2017 (Source: RU Research Reports 2017).

## Research grants from national and international competitive funds

The external financing of research at RU has systematically been strengthened by significantly increasing efforts to obtain research support from domestic and foreign sources. The success rate in competitive research funds, where grants proposals of academics are peer-reviewed, is an important criterion of academic strength. Therefore, it is very important that the University has efficient internal support, i.e. research services, to monitor opportunities for obtaining external research funds and to provide assistance in applying, developing budgets, and lending other administrative support.

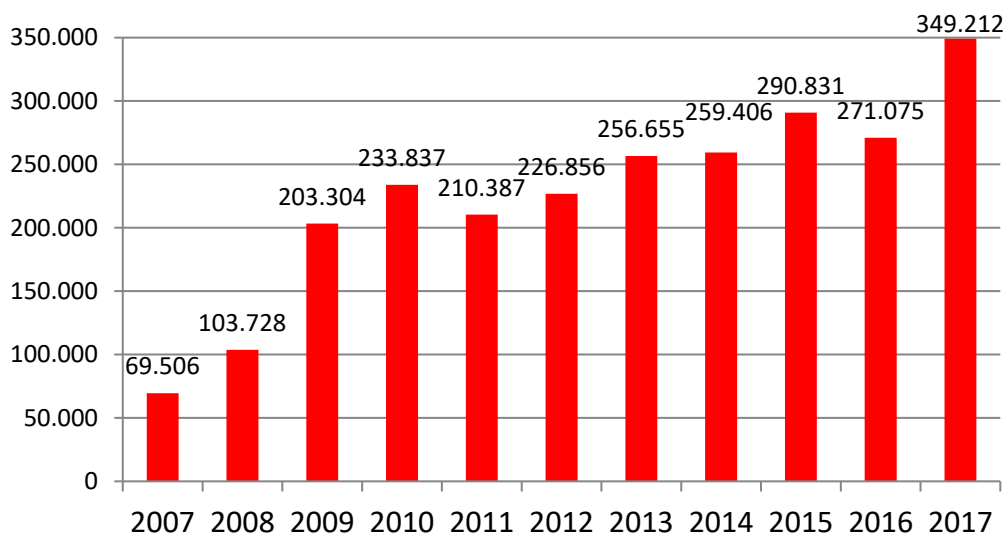


Figure 8: Grants to RU from national competitive research funds 2007-2017, in thousand ISK (Source: The Icelandic Centre for Research – RANNÍS and other Icelandic competitive funds).

In the period 2007-2017, the total allocation from national competitive funds has increased fivefold, from around 70 million ISK in 2007 to around 350 million ISK in 2017, see figure 8.

Figure 9 shows the allocation to RU affiliated scientists from the Icelandic Research Fund of the Science and Technology Policy Council. The allocation has increased fivefold in the period 2007-2017, i.e. from 51 million ISK in 2007 to around 246 million ISK in 2017.

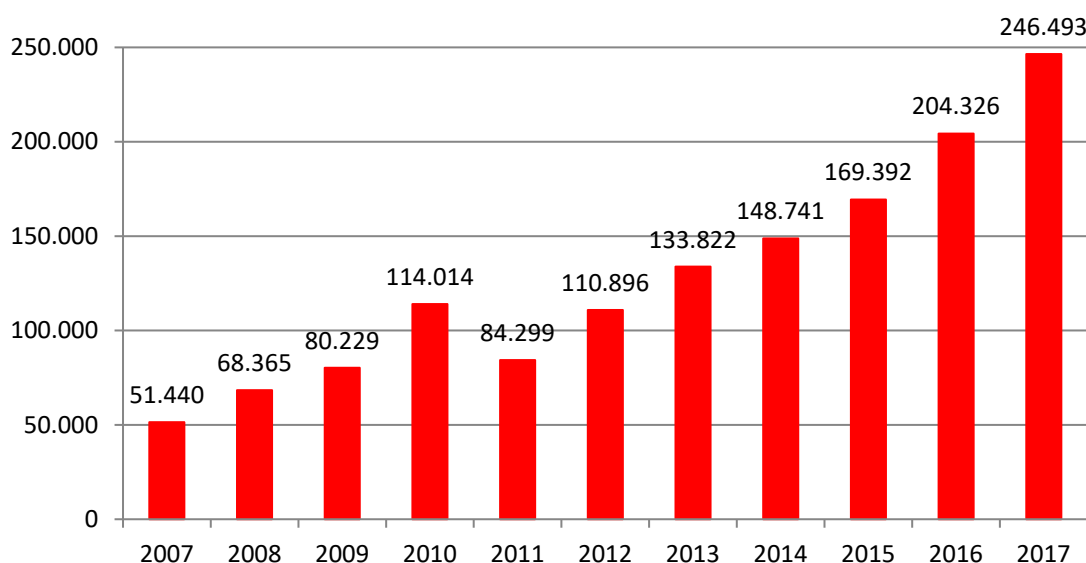


Figure 9: Allocation to RU affiliated scientists from the Icelandic Research Fund 2007-2017, in thousand ISK (Source: The Icelandic Centre for Research – RANNÍS).

Besides receiving grants from national research funds, the University receives several grants from international research funds annually, e.g. grants from the EU Framework Program. Figure 10 shows foreign grant revenues 2007-2017.

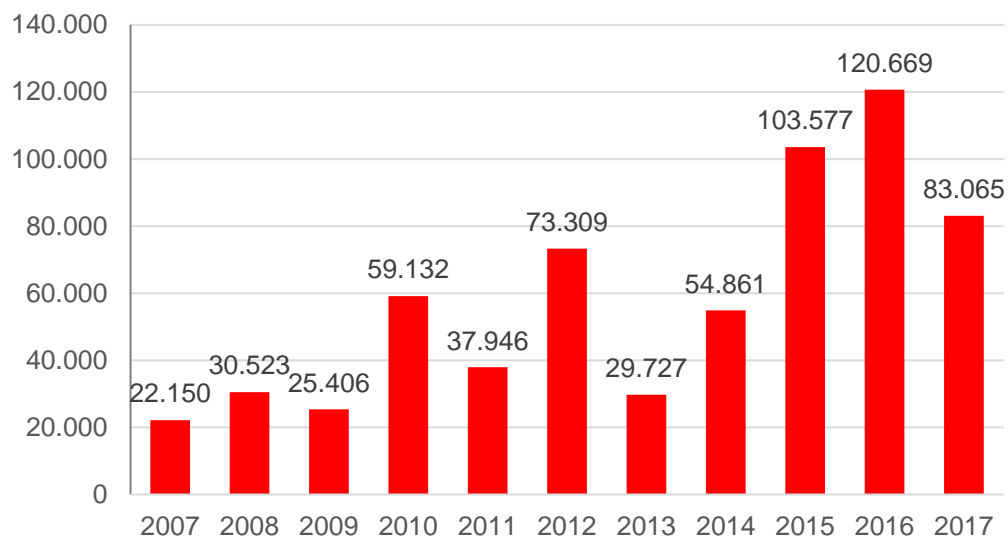


Figure 10: Foreign grant revenues 2007-2017, in thousand ISK (Source: RU Finance Department).

## Appendix I – RU Annual Research Assessment

An evaluation of research activities of each individual academic employee at RU is conducted annually by a Panel of international experts (<http://en.ru.is/research/about/ru-quality-assurance-system-in-research/>). The main objective of the assessment is to examine the quality of the research and research activity of all academic employees with research duties. The RU Research Council is responsible for and in charge of the assessment in collaboration with RU Research Services and the process is operationally coordinated by RU Research Services. In consistency with its research strategy, RU uses the result of the RU Annual Research Assessment as a basis for allocation of research funds from the Ministry of Education, Science and Culture between the Schools.

### A: The Panel 2017

1. Professor Jørgen Staunstrup, (Computer Science), IT University in Copenhagen, Denmark (Computer Science) – Chair
2. Professor Johan Malmqvist, (Engineering), Department of Industrial and Materials Science, Chalmers University of Technology, Sweden
3. Professor Kristina Siig (Law), Department of Law, University of Southern Denmark, Denmark
4. Professor Morten Kildemo (Science), Department of Physics, Norwegian University of Science and Technology (NTNU), Norway
5. Professor Jaana Sandström (Business), Department of Business Economics and Law, Laaparanta University, Finland
6. Professor Chris Harwood (Psychology/Sport Science), School of Sport, Exercise and Health Sciences, Loughborough University, UK

### B: The Score System 2017

The Panel is asked to base their evaluation and hence their rating primarily on the quantity/quality of research output in peer-reviewed outlets.

The Panel grades each academic employee from 0 to 4 using the following scale:

- 0 None or insignificant research activity.
- 1 Little but nontrivial research activity.
- 2 Contributes to the international research community or domestic where appropriate.
- 3 Considerable and active participant in the international research community or domestic where appropriate, with a clear contribution and impact.
- 4 Significant and active participant in the international research community or domestic where appropriate, with a substantial contribution and impact.

### C: The Assessment 2017

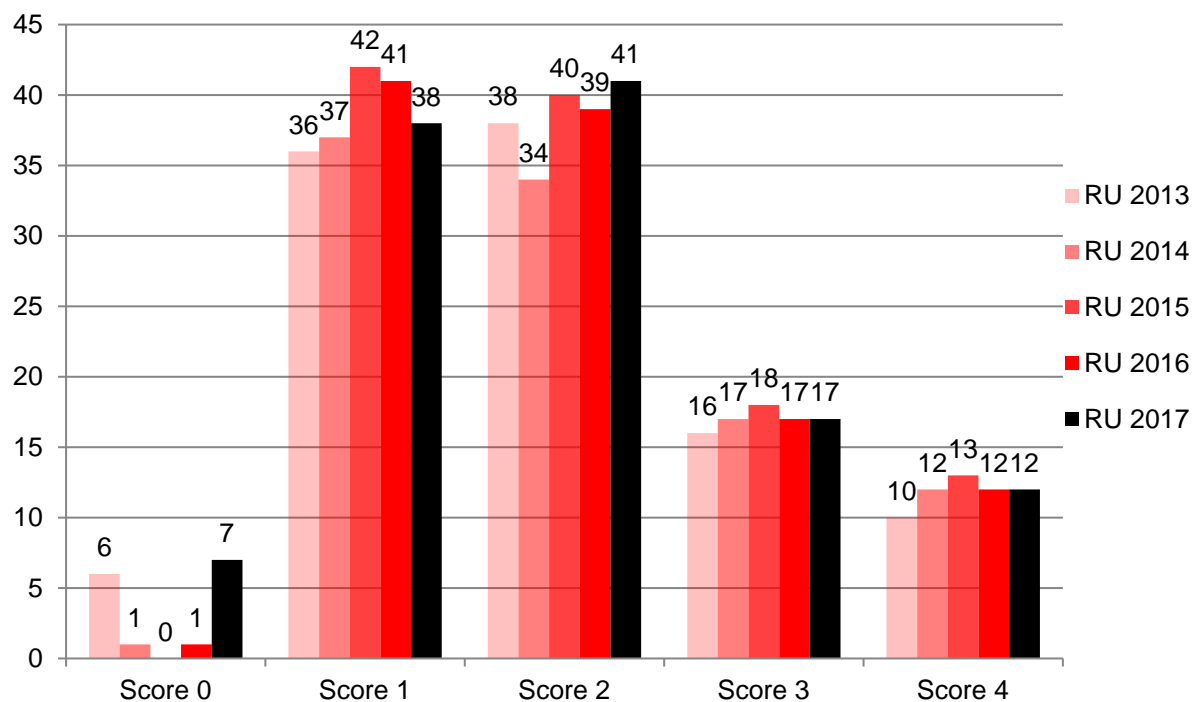
The Panel is also asked to notice that all comparison to the international research community in each field and impact is witnessed by citations, derived work, advising of doctoral students/post-docs, grants and status (roles as editor, PC member/organizer of conferences, examiner of Ph.D. thesis, etc.).

The Panel is encouraged to use the entire category scale. However, the highest ranking should not be given unless the Panel concludes unanimously that the researcher represents strong international standing. Researchers that have received their PhD-degree within the last two years should be assigned the score 1 as the minimum - *Little but nontrivial research activity*.

## D: The results 2017

The figure below shows the number of academic employees at RU in each score group according to the assessment 2013-2017 and the table below shows how the average scores have developed in the period 2007-2017.

**Number of employees in each score group 2013-2017**



**Average scores 2013-2017 for RU**

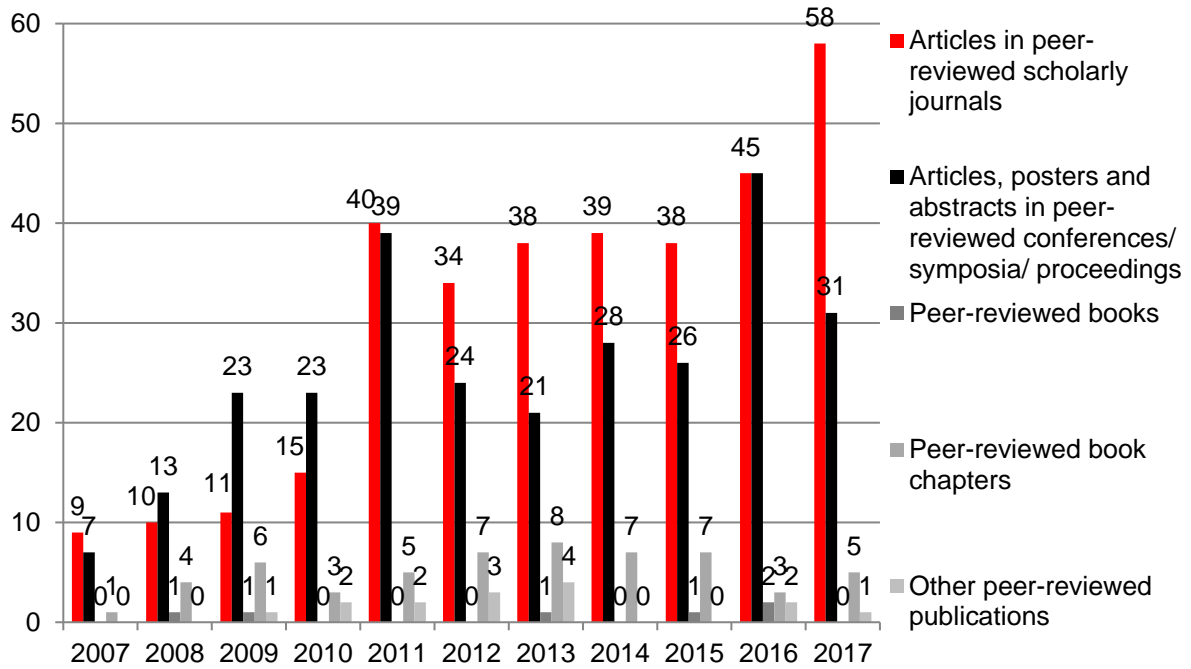
	2013	2014	2015	2016	2017
<b>Average scores each year</b>	1,9	2,0	2,0	2,0	1,9
<b>Average score for Faculty evaluated since 2007</b>	2,3	2,5	2,4	2,4	2,3
<b>Average score for Core Faculty evaluated since 2007</b>	2,3	2,4	2,3	2,3	2,3

\* Core Faculty are Professors/Deans, Associate Professors and Assistant Professors with 50% employment ratio or more.

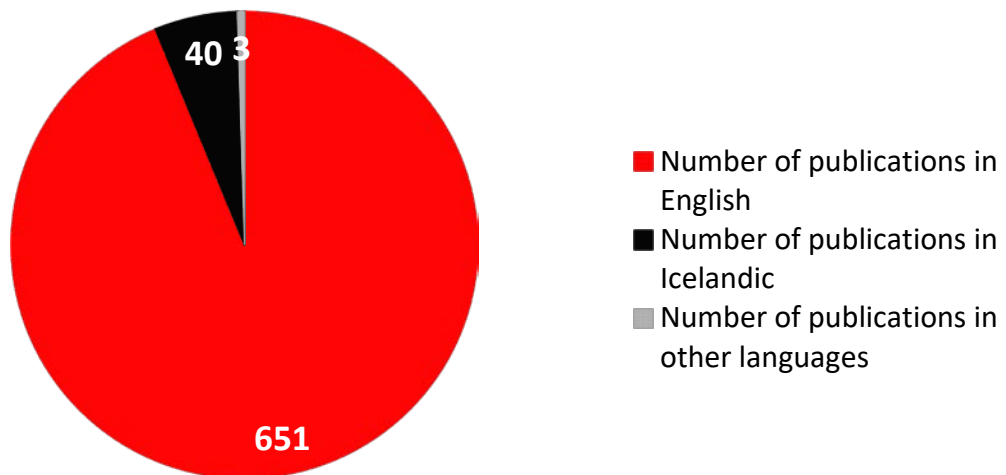
## Appendix II – Publications in peer-reviewed outlets at RU Schools

### A: Publications in peer-reviewed outlets 2007-2017, School of Business

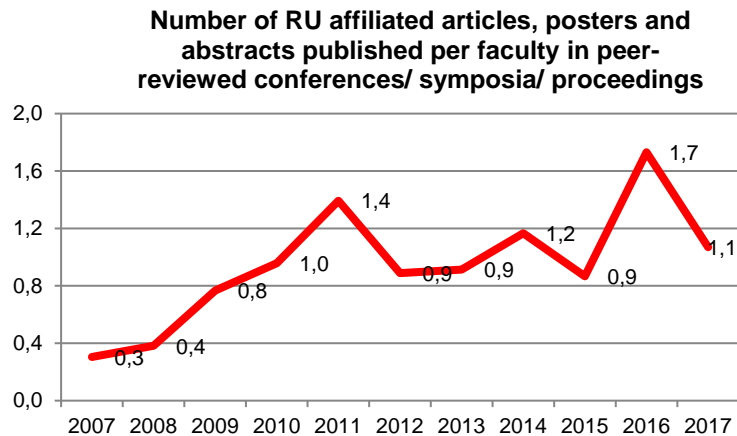
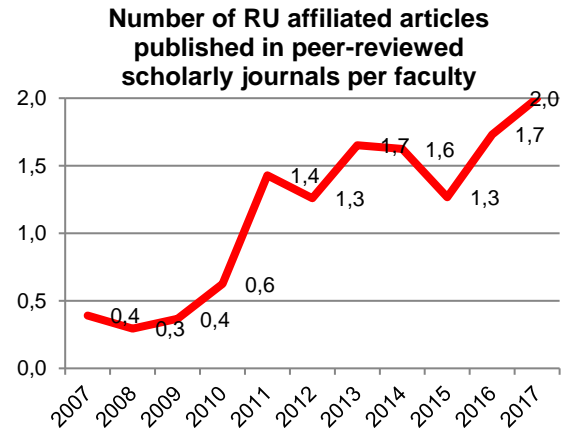
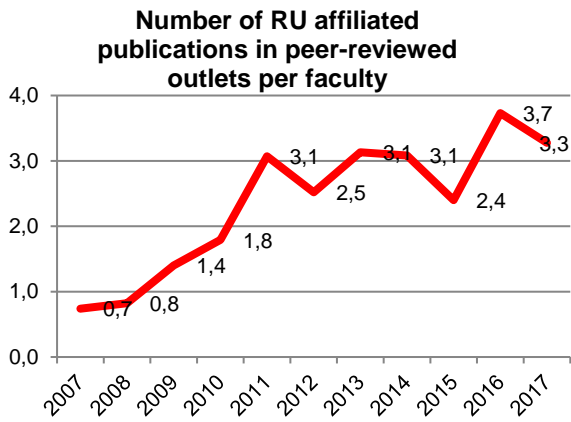
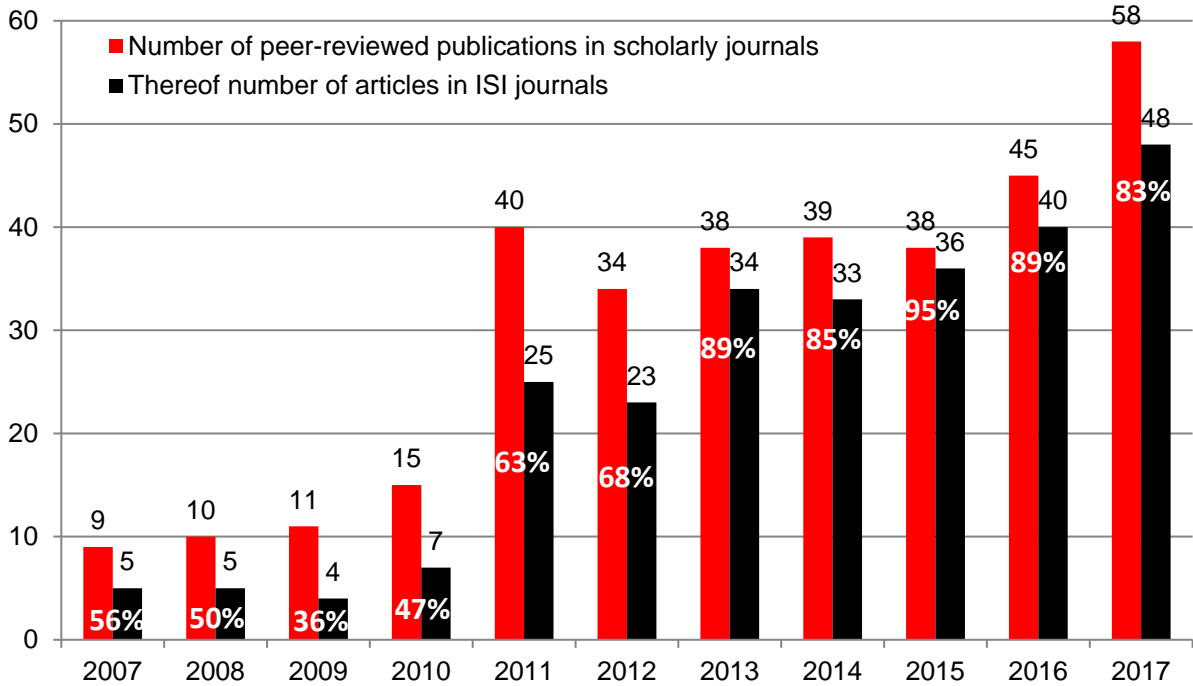
Number of RU affiliated publications in peer-reviewed outlets



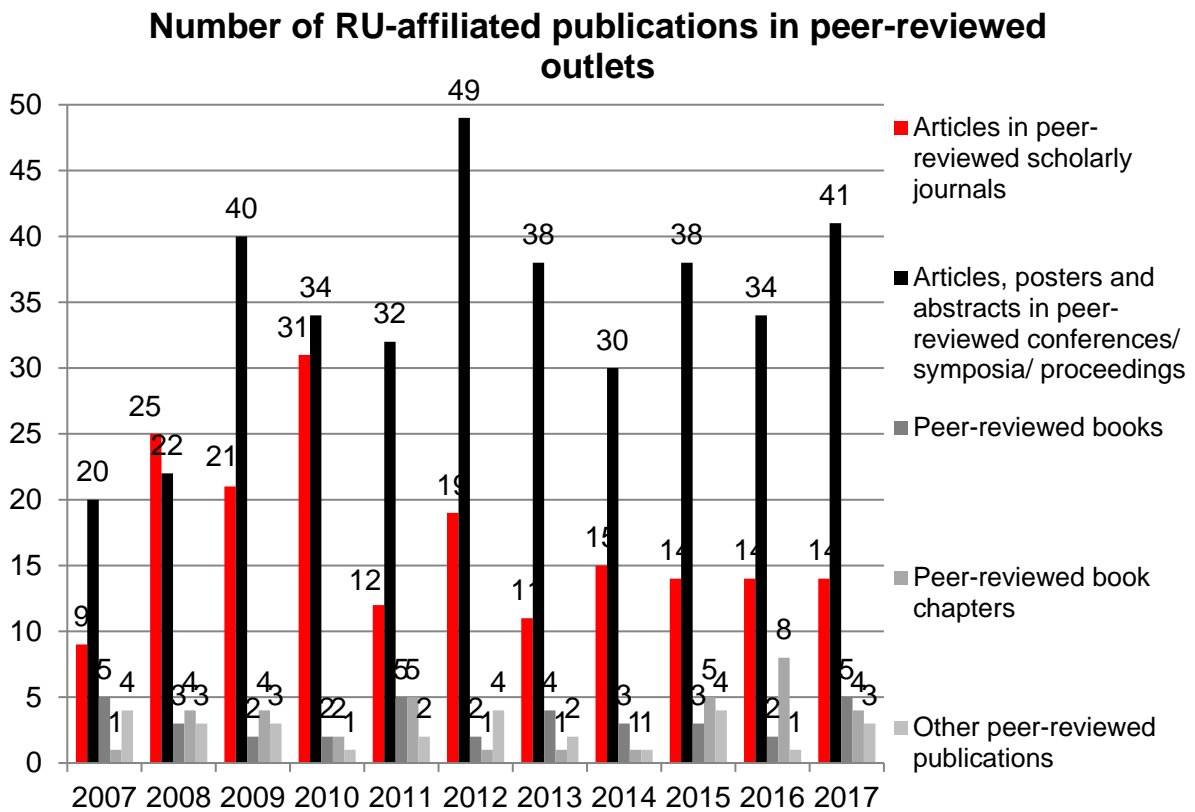
Number of RU-affiliated publications per language 2007-2017



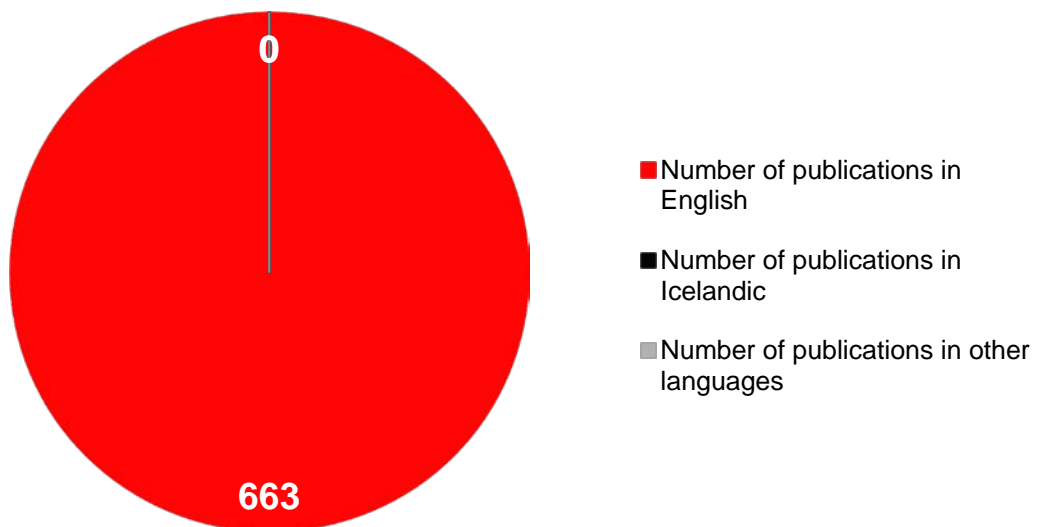
## Number of RU affiliated publications in peer-reviewed journals



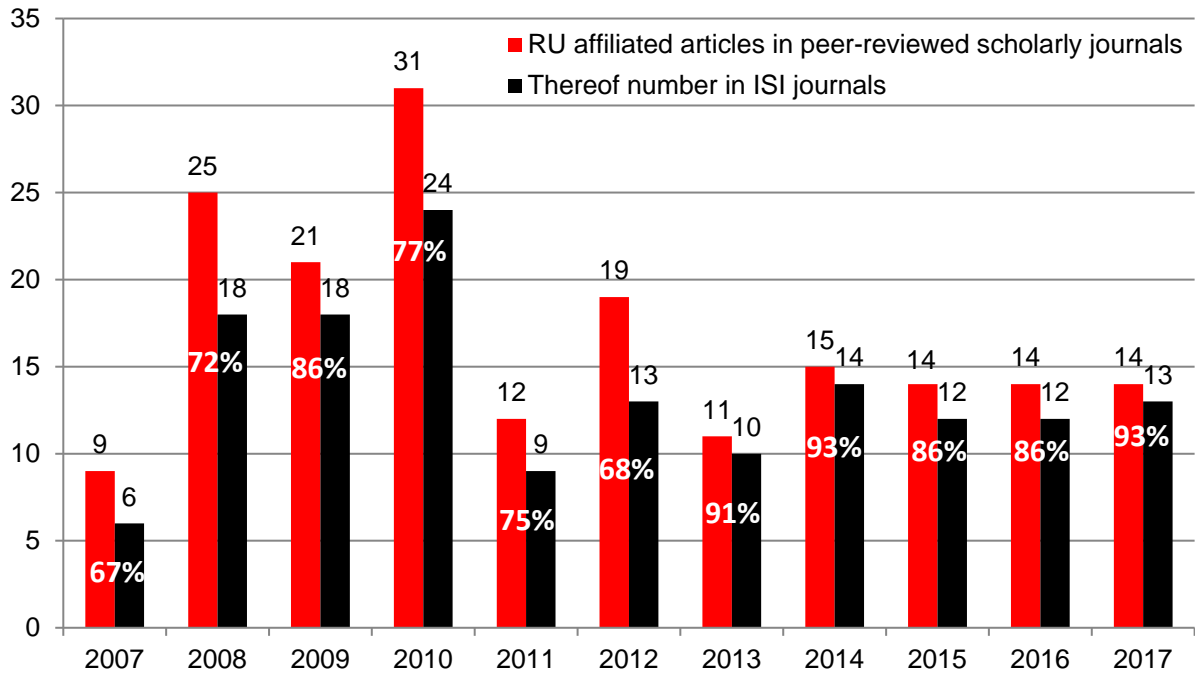
## B: Publications in peer-reviewed outlets 2007-2017, School of Computer Science



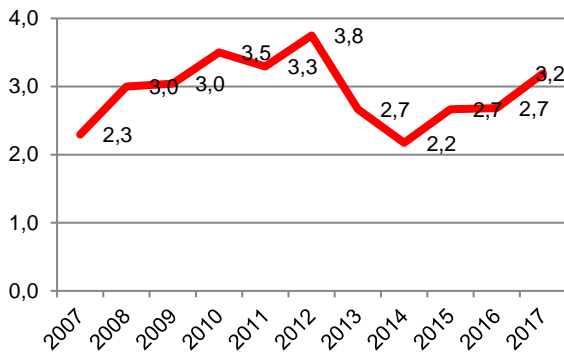
**Number of RU affiliated publications in peer-reviewed outlets 2007-2017**



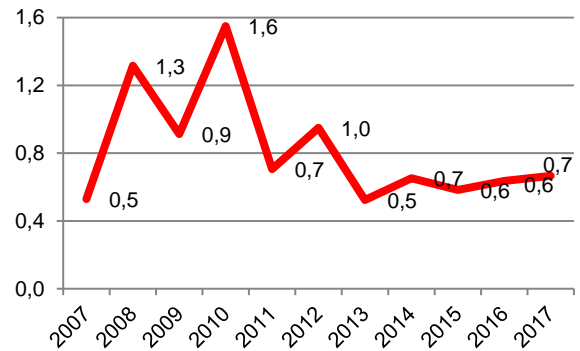




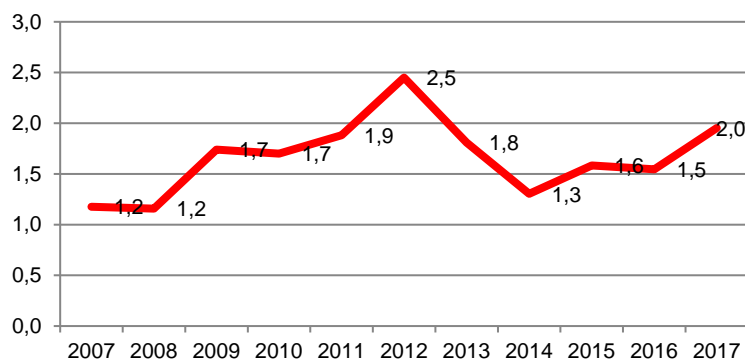
**Number of RU affiliated publications in peer-reviewed outlets per faculty**



**Number of RU affiliated articles published in peer-reviewed scholarly journals per faculty**

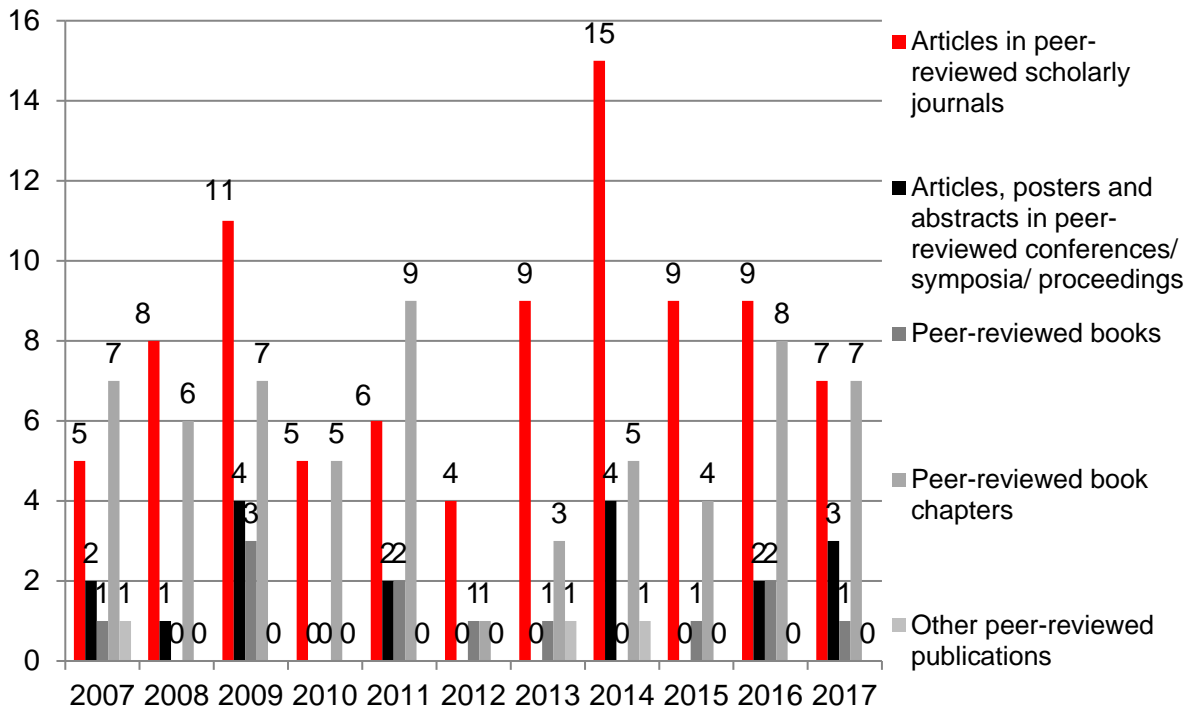


**Number of RU affiliated articles, posters and abstracts published per faculty in peer-reviewed conferences/ symposia/ proceedings**

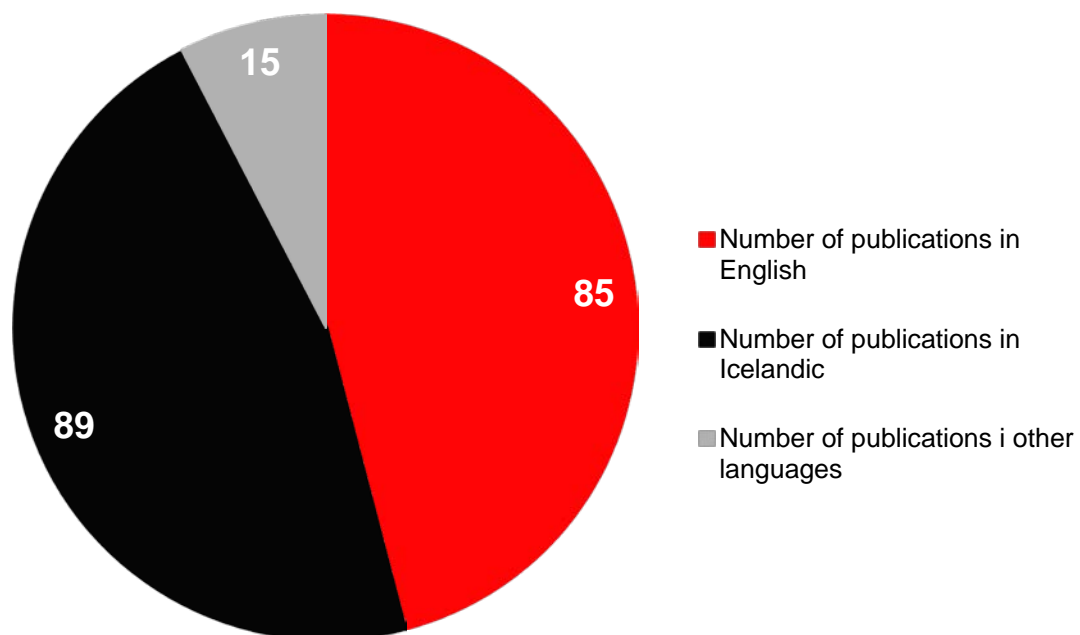


### C: Publications in peer-reviewed outlets 2007-2017, School of Law

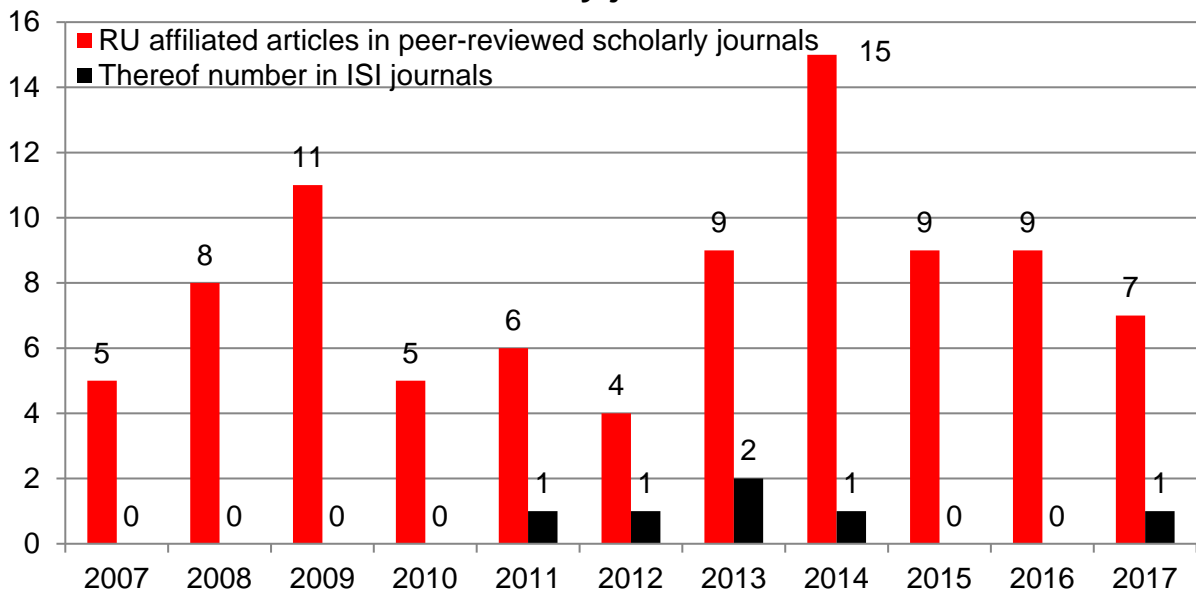
**Number of RU affiliated publications in peer-reviewed outlets**



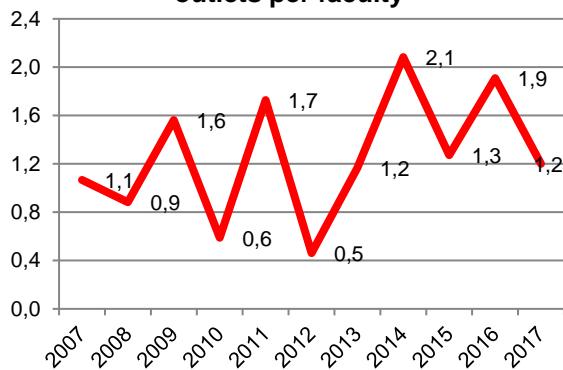
**Number of RU-affiliated publications per language 2007-2017**



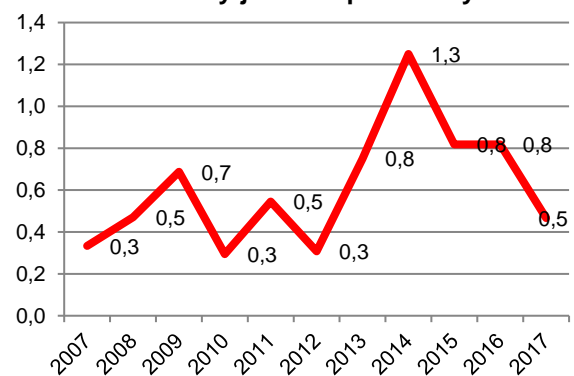
### Number of RU affiliated peer-reviewed publications in scholarly journals



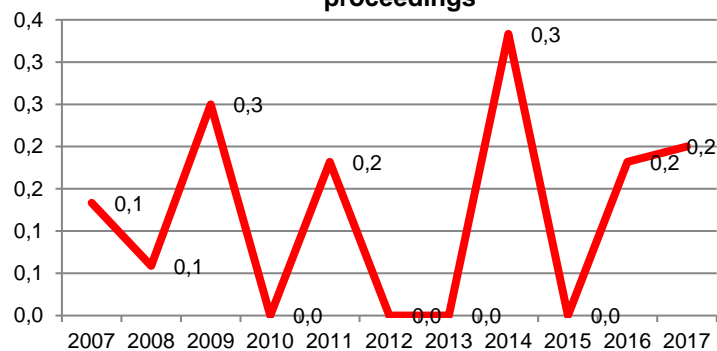
### Number of RU affiliated publications in peer-reviewed outlets per faculty



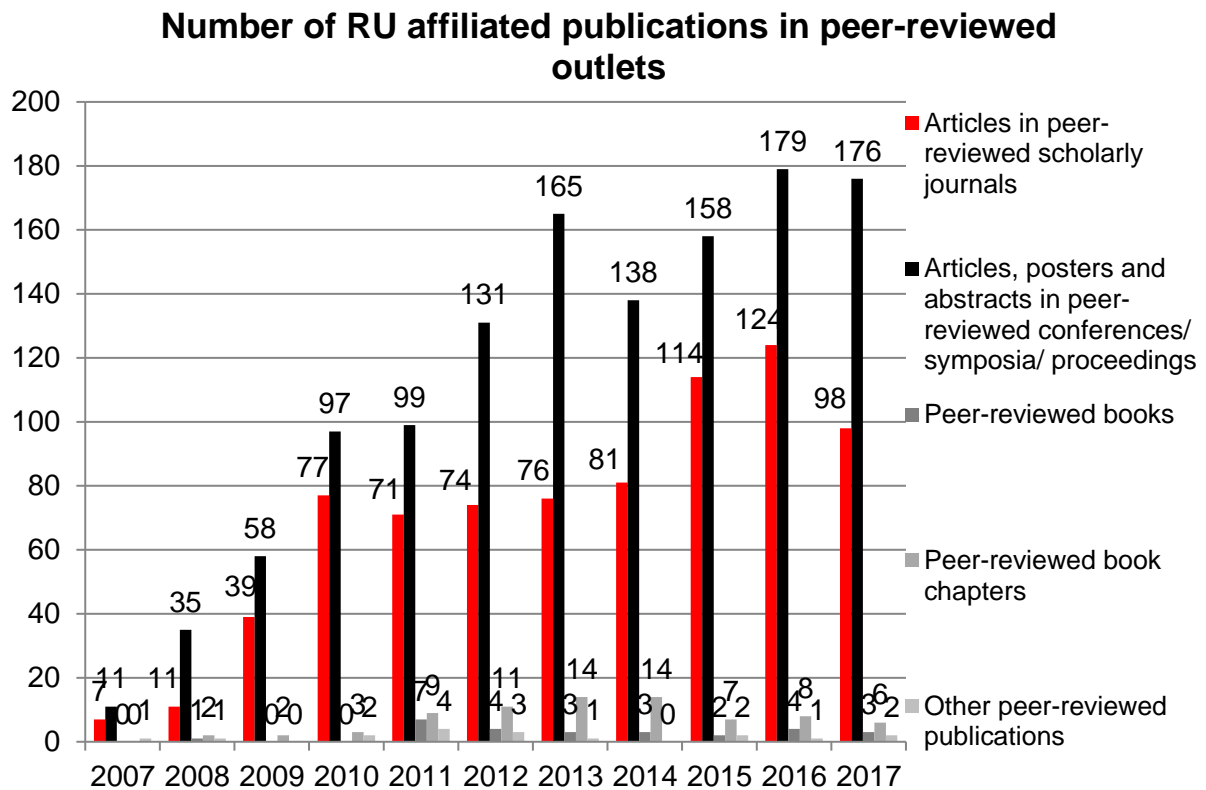
### Number of RU affiliated articles published in peer-reviewed scholarly journals per faculty



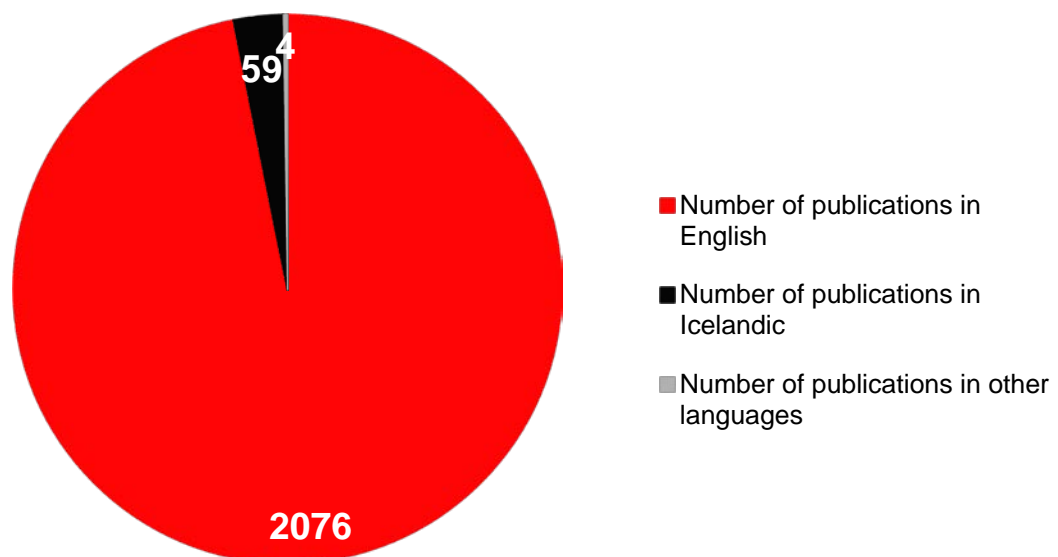
### Number of RU affiliated articles, posters and abstracts published per faculty in peer-reviewed conferences/ symposia/ proceedings



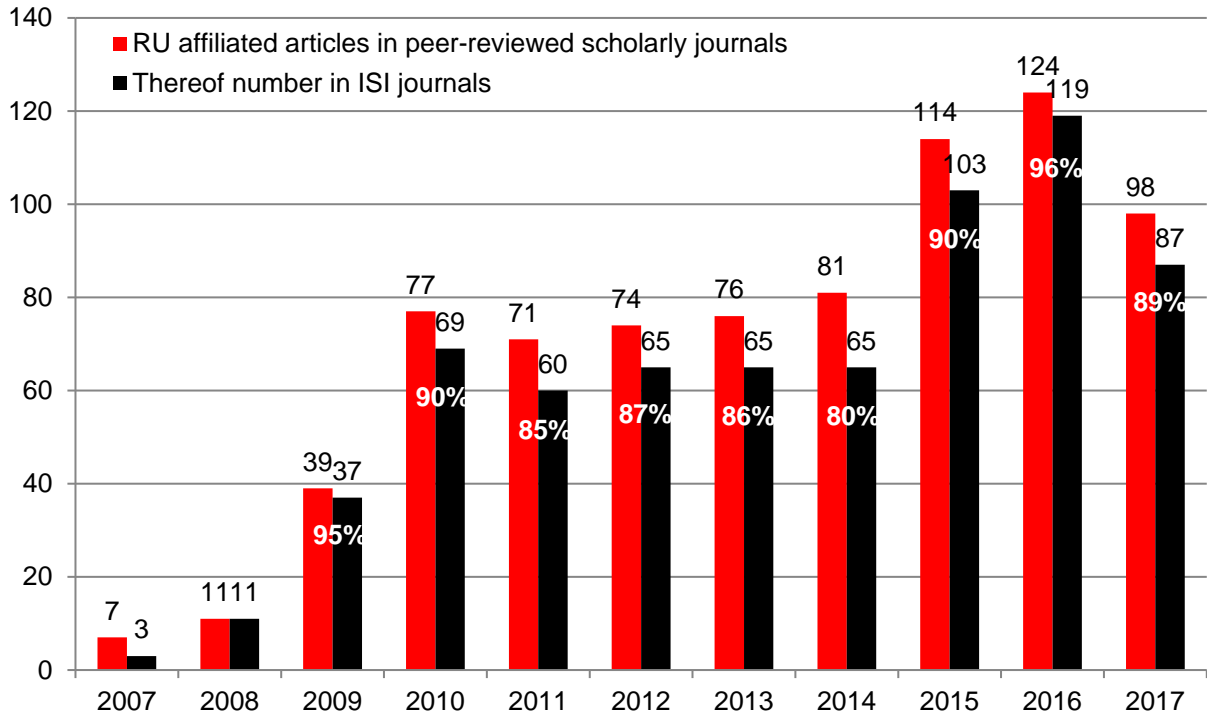
## D: Publications in peer-reviewed outlets 2007-2017, School of Science and Engineering



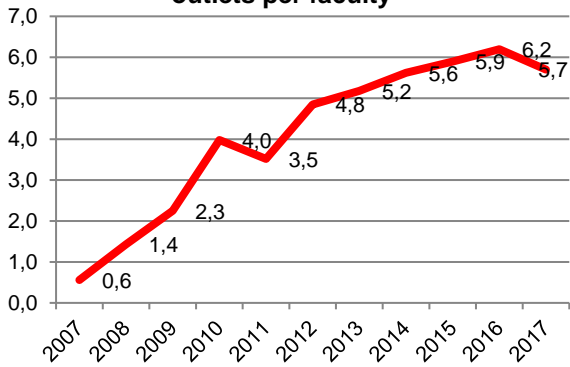
## Number of RU-affiliated publications per language 2007-2017



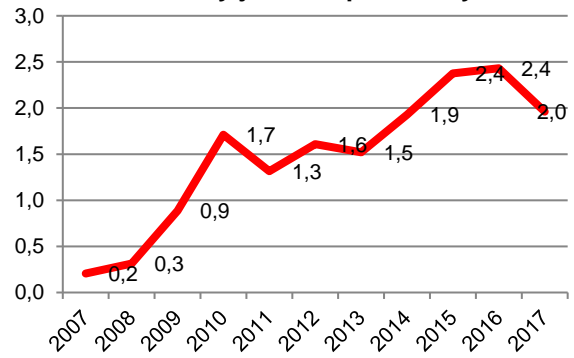
## Number of RU affiliated peer-reviewed publications in scholarly journals



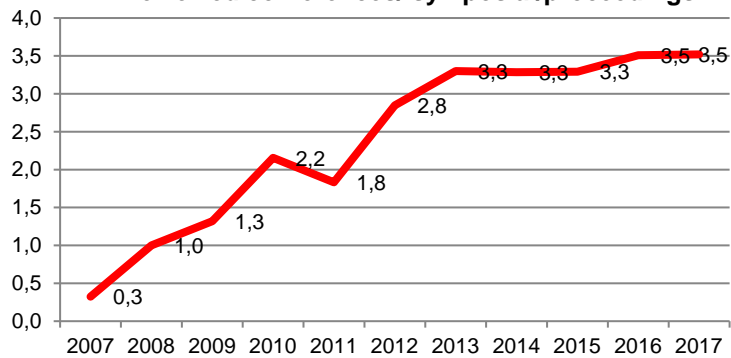
### Number of RU affiliated publications in peer-reviewed outlets per faculty



### Number of RU affiliated articles published in peer-reviewed scholarly journals per faculty



### Number of RU affiliated articles, posters and abstracts published per faculty in peer-reviewed conferences/ symposia /proceedings



## Appendix III - Research grants from national competitive funds

### A: Grants 2008

Principal Investigator	Project title	Type of grant	Allocated (Thousand ISK)
<b>THE ICELANDIC RESEARCH FUND 2008</b>			
Ármann Gylfason	Scale Interaction in Turbulence	Project grant	6.080
Björn Þór Jónsson	Efficient and Effective Copyright Protection for Videos	Patent grant	500
Björn Þór Jónsson	Integrated Browsing and Searching of Personal Digital Image Collections	Project grant	3.500
Brynjar Karlsson	Investigation of the propagation of electric activity of the uterus for the prediction of preterm labour	Project grant	4.400
Einar Steingrímsson	Permutations, Patterns and Algebras	Project grant	2.000
Einar Steingrímsson	Permutation Patterns	Grant of excellence	8.886
Guðni Th. Jóhannesson	Threats to Iceland's internal security, 1945-1991	Project grant	575
Halldór G. Svavarsson	Crystal growth of p-n silicon junctions for solar cells applications	Project grant	2.000
Hannes Högni Vilhjálmsson	Humanoid Agents in Social Game Environments	Grant of excellence	13.450
Hrafn Loftsson	Improved tagging accuracy of Icelandic text	Project grant	1.550
Karl Ægir Karlsson	Zebrafish as a model system for sleep research	Project grant	4.425
Karl Ægir Karlsson	Emotional modulation of hypothalamic activity	Project grant	734
Leifur Geir Hafsteinsson	Icelandic job applicants: Faking and reaction to selection methods	Project grant	975
Luca Aceto	New Developments in Operational Semantics	Project grant	5.000
Luca Aceto	The Equational Logic of Parallel Processes	Project grant	3.800
Magnús Már Halldórsson	Parameterized algorithms on hypergraphs	Project grant	2.700
Margrét Vala Kristjánsdóttir	Procedure and assessment of Cumulative Environmental Effects	Preparatory grant	500
Yngvi Björnsson	Development of a General Game-Playing Agent	Project grant	5.000
Þorlákur Karlsson/Páll Ríkharðsson	Icelandic management accounting: Characteristics, development and future directions	Project grant	3.290
		<b>Total:</b>	<b>69.365</b>
<b>THE EQUIPMENT FUND 2008</b>			
Kristinn R. Þórisson	Research Platform for Interactive Intelligences and Agent-Based Simulation	Equipment grant	1.938
		<b>Total:</b>	<b>1.938</b>
<b>THE TECHNOLOGY DEVELOPMENT FUND 2008</b>			
Halldór G. Svavarsson	Eco-silica for skincare product	Project grant	4.500
Hlynur Stefánsson	Nostradamus	Project grant	8.000
		<b>Total:</b>	<b>12.000</b>

<b>ENVIRONMENTAL AND ENERGY RESEARCH FUND 2008</b>			
Ari Kristinn Jónsson	Climate Changes and Utility Operations	Project grant	1.125
Ágúst Valfells	Possible regulations for greenhouse gas emissions and their effects	Project grant	3.000
Chien Tai Shill	Math Olympiad for Icelandic elementary schools, an evaluation	Project grant	1.500
Haraldur Sigbórsson	Environmental impacts of lighting in rural areas	Project grant	2.000
Pórður Víkingur Friðgeirsson	Evaluation of risk in high temperature geothermal drilling	Project grant	750
		<b>Total:</b>	<b>8.375</b>
<b>THE ICELANDIC RESEARCH FUND FOR GRADUATE STUDENTS 2008</b>			
Arnar Birgisson (Luca Aceto)	Compositionality for logics of security	Study grant	800
Kristján Valur Jónsson (Úlfar Erlingsson)	Scalable, distributed security policy enforcement for Web applications	Study grant	7.250
		<b>Total:</b>	<b>8.050</b>
<b>BJARNI BENEDIKTSSON FUND 2008</b>			
Margrét Vala Kristjánsdóttir/ Ragnhildur Helgadóttir	The substance and application of the Constitution's Article 15	Project grant	500
Oddný Mjöll Arnardóttir	The regulation of medical research - public administration and the rights of participants	Project grant	500
		<b>Total:</b>	<b>1.000</b>
<b>ICELANDIC PENSION FUNDS ASSOCIATION 2008</b>			
Ólafur Ísleifsson	Pension funds in the general labour market	Project grant	1.000
		<b>Total:</b>	<b>1.000</b>
<b>JULES VERNE FUND 2008</b>			
Björn Þór Jónsson	Brow Search – Integrating Image Browsing and Searching	Collaboration grant	500
Brynjar Karlsson	Analysis of the propagation of electric activity of the uterus for the prediction of preterm labour	Collaboration grant	500
		<b>Total:</b>	<b>1.000</b>
<b>ICELANDIC ROAD ADMINISTRATION RESEARCH FUND 2008</b>			
Haraldur Sigbórsson	Road building profitability analysis of cost factors, distance and time values	Project grant	500
		<b>Total:</b>	<b>500</b>
		<b>TOTAL:</b>	<b>103.728</b>

## B: Grants 2009

Principal Investigator	Project title	Type of grant	Allocated (Thousand ISK)
<b>THE ICELANDIC RESEARCH FUND 2009</b>			
Ármann Gylfason	Scale Interaction in Turbulence	Project grant	5.270
Björn Þór Jónsson	Integrated Browsing and Searching of Personal Digital Image Collections	Project grant	3.500
Brynjar Karlsson	Investigation of the propagation of electric activity of the uterus for the prediction of preterm labour	Project grant	4.400

Einar Steingrímsson	Combinatorics on Permutations and Words	Grant of excellence	<b>24.600</b>
Einar Steingrímsson	Permutations, Patterns and Algebras	Project grant	<b>2.000</b>
Guðni Th. Jóhannesson	Threats to Iceland's internal security, 1945-1991	Project grant	<b>1.659</b>
Halldór G. Svavarsson	Crystal growth of p-n silicon junctions for solar cells applications	Project grant	<b>2.600</b>
Hannes Högni Vilhjálmsson	Humanoid Agents in Social Game Environments	Grant of excellence	<b>14.050</b>
Hrafn Loftsson	Improved tagging accuracy of Icelandic text	Project grant	<b>600</b>
Karl Ægir Karlsson	Zebrafish as a model system for sleep research	Project grant	<b>4.000</b>
Luca Aceto	New Developments in Operational Semantics	Project grant	<b>5.000</b>
Magnús Már Halldórsson	Algorithms for ad-hoc and sensor networks	Project grant	<b>3.110</b>
Valdimar Sigurðsson	Consumer Food Choice: An In-Store Experimental Analysis	Postdoctoral grant	<b>4.440</b>
Yngvi Björnsson	Development of a General Game-Playing Agent	Project grant	<b>5.000</b>
		<b>Total:</b>	<b>80.229</b>
<b>STRATEGIC RESEARCH PROGRAMME FOR CENTRES OF EXCELLENCE AND RESEARCH CLUSTERS 2009</b>			
Kristinn R. Þórisson	Icelandic Institute for Intelligent Machines	Grant of excellence	<b>55.000</b>
		<b>Total:</b>	<b>55.000</b>
<b>THE EQUIPMENT FUND 2009</b>			
Björn Þór Jónsson og Herwig Lejsek	Research Facilities for Very Large Scale Video Retrieval	Equipment grant	<b>2.980</b>
Karl Ægir Karlsson	In vivo/in vitro electrophysiology set-up	Equipment grant	<b>4.493</b>
Karl Ægir Karlsson	MHW-3 Hydraulic micromanipulator; NMN25 Micromanipulator; PC-10 pipette puller; 4. MF-900 Microforge; 5. Grass Stimulus isolation unit; 6. Grass Rack; 7. SZ51 Olympus stereo microscope; 8. Epifluorescence unit; 9. Thermo Scientific Microtome	Equipment grant	<b>5.809</b>
Kristinn R. Þórisson, Eric Nivel og Ari K. Jónsson	Computing Power	Equipment grant	<b>2.033</b>
Ólafur E. Sigurjónsson og Karl Ægir Karlsson	Step One Real Time PCR system from Applied Bio system	Equipment grant	<b>1.575</b>
		<b>Total:</b>	<b>16.890</b>
<b>THE TECHNOLOGY DEVELOPMENT FUND 2009</b>			
Halldór Guðfínnur Svavarsson	Eco-silica for skincare product - Prototypes	Project grant	<b>3.844</b>
Haraldur Sigþórsson	Interactive road markers	Preparatory grant	<b>750</b>
Hjalti Harðarson	Artificial Bird	Pioneer grant	<b>3.000</b>
Þórður Helgason	Finger rehabilitation system	Project grant	<b>7.900</b>
Yngvi Björnsson	Generic Casual Game-Playing Engine Prototype	Pioneer grant	<b>5.000</b>
		<b>Total:</b>	<b>20.494</b>
<b>ENVIRONMENTAL AND ENERGY RESEARCH FUND 2009</b>			
Ásdís Hlökk Theodórsdóttir	EIA screening - project categories and threshold values	Project grant	<b>700</b>
Haraldur Sigþórsson	The traffic safety effect of geothermal steam	Project grant	<b>1.000</b>



Hlynur Stefánsson	The use of electric cars in Reykjavik	Project grant	<b>4.000</b>
Ingólfur Þorbjörnsson	Materials selection for geothermal utilization	Project grant	<b>3.151</b>
Jón Örn Jónsson	Domestic Oxygen for Icelandic Markets	Project grant	<b>1.000</b>
Kristín Haraldsdóttir	EEA and EU law in the field of natural resources and environmental law	Project grant	<b>750</b>
		<b>Total:</b>	<b>10.601</b>
<b>THE ICELANDIC RESEARCH FUND FOR GRADUATE STUDENTS 2009</b>			
Hilmar Finnsson/Yngvi Björnsson	Dynamic Search Methods in General Game Playing	Study grant	<b>7.950</b>
Sandra Martha Elfride Lyngdorf / Þórdís Ingadóttir	Compensation mechanisms and the European Court	Study grant	<b>6.890</b>
		<b>Total:</b>	<b>14.840</b>
<b>LANDSVIRKJUN ENERGY RESEARCH FUND 2009</b>			
Haldór G. Svavarsson	New methods for making silicon solar-cells	Project grant	<b>2.250</b>
		<b>Total:</b>	<b>2.250</b>
<b>BJARNI BENEDIKTSSON FUND 2009</b>			
Gunnar Þór Pétursson	Derogations from fundamental freedoms - a methodological challenge	Project grant	<b>500</b>
		<b>Total:</b>	<b>500</b>
<b>ICELANDIC PENSION FUNDS ASSOCIATION 2009</b>			
Guðmundur Sigurðsson	How do pension funds evaluate the loss of earning capacity of their members	Project grant	<b>1.200</b>
		<b>Total:</b>	<b>1.200</b>
<b>ICELANDIC ROAD ADMINISTRATION RESEARCH FUND 2009</b>			
Haraldur Sigþórsson	Wash boarding on gravel roads	Project grant	<b>300</b>
Haraldur Sigþórsson	The traffic safety effect of geothermal steam	Project grant	<b>1.000</b>
		<b>Total:</b>	<b>1.300</b>
		<b>TOTAL:</b>	<b>203.304</b>

### C: Grants 2010

Principal Investigator	Project title	Type of grant	Allocated (Thousand ISK)
<b>THE ICELANDIC RESEARCH FUND 2010</b>			
Andrei Manolescu	Coulomb interaction and current flow in quantum devices	Project grant	<b>6.380</b>
Anna Ingólfssdóttir	Processes and Modal Logics	Project grant	<b>4.900</b>
Ármann Gylfason	Scale Interaction in Turbulence	Project grant	<b>3.650</b>
Einar Steingrímsson	Combinatorics on Permutations and Words	Grant of excellence	<b>24.600</b>
Einar Steingrímsson	Permutations, Patterns and Algebras	Project grant	<b>2.000</b>
Guðni Th. Jóhannesson	Threats to Iceland's internal security, 1945-1991	Project grant	<b>1.659</b>
Hannes Högni Vilhjálmsson	Humanoid Agents in Social Game Environments	Grant of excellence	<b>12.650</b>
Haraldur Sigþórsson	An investigation into human behaviour related to traffic culture	Preparatory grant	<b>500</b>

Heiðdís B. Valdimarsdóttir	Developing and Testing an Interactive Decision Aid for Newly Diagnosed Prostate Cancer Patients	Project grant	5.819
Karl Ægir Karlsson	Zebrafish as a model system for sleep research	Project grant	3.820
Luca Aceto	Meta-theory of Algebraic Process Theories	Project grant	6.660
Luca Aceto	New Developments in Operational Semantics	Project grant	5.000
Magnús Már Halldórsson	Algorithms for ad-hoc and sensor networks	Project grant	6.695
Ólafur Guðmundsson	Earthquake research on Reykjanes peninsula	Project grant	6.655
Rögnvaldur J. Sæmundsson	The Relationship between Aesthetic Design and Innovation Performance	Project grant	7.376
Sigurður Ingi Erlingsson	Coherent population trapping as a probe of non-Markovian decay	Project grant	3.480
Valdimar Sigurðsson	Consumer Food Choice: An In-Store Experimental Analysis	Postdoctoral grant	4.440
Yngvi Björnsson	Development of a General Game-Playing Agent	Project grant	4.760
		<b>Total:</b>	<b>111.044</b>
<b>STRATEGIC RESEARCH PROGRAMME FOR CENTRES OF EXCELLENCE AND RESEARCH CLUSTERS 2010</b>			
Kristinn R. Þórisson	Icelandic Institute for Intelligent Machines	Grant of excellence	55.000
		<b>Total:</b>	<b>55.000</b>
<b>THE EQUIPMENT FUND 2010</b>			
RU School of Health and Education	Developing research infrastructure at School of Health and Education	Equipment grant	5.000
Ármann Gylfason	Optical detection systems for fluid dynamics research	Equipment grant	7.372
Slawomir Koziel	Computing cluster for high-performance distributed electromagnetic/aerodynamic simulation	Equipment grant	2.476
		<b>Total:</b>	<b>14.848</b>
<b>THE TECHNOLOGY DEVELOPMENT FUND 2010</b>			
Halldór Guðfínnur Svavarsson	Eco-silica for skincare product - Prototypes	Project grant	3.500
Hjalti Harðarson	Artificial Bird	Pioneer grant	5.000
Þórður Helgason	Finger rehabilitation system	Project grant	6.700
		<b>Total:</b>	<b>15.200</b>
<b>ENVIRONMENTAL AND ENERGY RESEARCH FUND 2010</b>			
Guðrún Sævarsdóttir	Potential energetic and economic advantages of lithium battery manufacturing using low grade heat and renewable energy in Iceland	Project grant	1.500
		<b>Total:</b>	<b>1.500</b>
<b>THE ICELANDIC RESEARCH FUND FOR GRADUATE STUDENTS 2010</b>			
Birna Baldursdóttir / Inga Dóra Sigfúsdóttir	The Impact of Physical Activity on Adolescent's Mental Health and Quality of Life	Study grant	7.950
Björg Guðjónsdóttir / Þórður Helgason	Use of ultrasound current source density imaging (UCSDI) to monitor activity and electrical stimulation of muscles	Study grant	840
Haukur Pálmason / Björn Þór Jónsson	Automatic Genre Classification of Icelandic Music	Study grant	840

Jón Ingi Sveinbjörnsson / Bjarni V. Halldórsson	Algorithms and Software for Complex Genetic Variants	Study grant	6.095
		<b>Total:</b>	<b>15.725</b>
<b>LANDSVIRKJUN ENERGY RESEARCH FUND 2010</b>			
Guðrún A. Sævarsdóttir	Relative permeability of two phase flow in geothermal reservoirs	Project grant	1.500
Halldór Guðfinnur Svavarsson	New methods for making silicon solar-cells	Project grant	750
		<b>Total:</b>	<b>2.250</b>
<b>ICELANDIC ROAD ADMINISTRATION RESEARCH FUND 2010</b>			
Haraldur Sigþórsson	The traffic safety effect of geothermal steam from Hellisheidi	Project grant	500
		<b>Total:</b>	<b>500</b>
<b>NATIONAL ENERGY AUTHORITY'S FUND 2010</b>			
Haraldur Sigþórsson	The profitability of road construction in a new light	Project grant	750
Guðrún Svavarsdóttir	Potential economic and environmental advantage in direct use of geothermal heat in Lithium-Ion battery production	Project grant	2.300
		<b>Total:</b>	<b>3.050</b>
<b>HOUSING FINANCING FUND 2010</b>			
Ásdís Hlökk Theodórsdóttir	Planning of residential development in the Reykjavik fringe 2000-2009	Project grant	2.000
		<b>Total:</b>	<b>2.000</b>
		<b>TOTAL:</b>	<b>221.117</b>

#### D: Grants 2011

Principal Investigator	Project title	Type of grant	Allocated (Thousand ISK)
<b>THE ICELANDIC RESEARCH FUND 2011</b>			
Andrei Manolescu	Coulomb interaction and current flow in quantum devices	Project grant	6.700
Anna Ingólfssdóttir	Processes and Modal Logics (PROMOLO)	Project grant	4.900
Heiðdís B. Valdimarsdóttir	Developing and Testing an Interactive Decision Aid for Newly Diagnosed Prostate Cancer Patients	Project grant	7.314
Jack James	Biobehavioural Analysis of Adolescent Reactivity to Stress	Project grant	6.560
Kristinn R. Þórisson	Robust Continuous Machine Learning of Complex Realtime Communication	Project grant	6.120
Luca Aceto	Meta-Theory of Algebraic Process Theories	Project grant	6.660
Magnús Már Halldórsson	Algorithms for ad-hoc and sensor networks	Project grant	7.560
Marco Raberto	Financial instability, credit rationing and business cycles in an agent-based model: The case of Iceland	Project grant	5.600
Marjan Sirjani	Timed Asynchronous Reactive Objects in Distributed Systems: TARO	Project grant	6.700
Rögnvaldur J. Sæmundsson	The relationship between aesthetic design and innovation performance	Project grant	5.945

Sigurður Ingi Erlingsson	Coherent population trapping as a probe of non-Markovian decay	Project grant	3.530
Slawomir Koziel	Robust Automated Surrogate-Based Optimization of Microwave and RF Structures and Devices	Project grant	4.400
Valdimar Sigurðsson	Consumer Food Choice: An In-Store Experimental Analysis	Project grant	4.440
Yngvi Björnsson	General Intelligence Problem-Solving Agents	Project grant	7.870
		<b>Total:</b>	<b>84.299</b>
<b>STRATEGIC RESEARCH PROGRAMME FOR CENTRES OF EXCELLENCE AND RESEARCH CLUSTERS 2011</b>			
Kristinn R. Þórisson	Icelandic Institute for Intelligent Machines	Grant of excellence	55.000
		<b>Total:</b>	<b>55.000</b>
<b>THE EQUIPMENT FUND 2011</b>			
Andrei Manolescu	Computer cluster for multidisciplinary scientific research	Equipment grant	11.339
Jack James	Mobile Bio-behavioural Laboratory	Equipment grant	11.450
		<b>Total:</b>	<b>22.789</b>
<b>THE TECHNOLOGY DEVELOPMENT FUND 2011</b>			
Karl Ægir Karlsson	Drug screening in Zebrafish	Project grant	9.000
Herwig Lejsek	Forensic Image Identifier and Analyzer	Project grant	12.500
Leifur Þór Leifsson	Hermun Togbúnaðar	Project grant	5.000
Þórður Helgason	Fingurendurhæfir	Project grant	4.399
		<b>Total:</b>	<b>30.899</b>
<b>THE ICELANDIC RESEARCH FUND FOR GRADUATE STUDENTS 2011</b>			
Eiríkur Jónsson / Leifur Þór Leifsson	Aerodynamic Optimization of Wings by Variable-Resolution Modeling	Study grant	880
Eugen-Ioan Goriac / Luca Aceto	Extending and Axiomatizing Structural Operational Semantics: Theory and Tools	Study grant	6.720
		<b>Total:</b>	<b>7.600</b>
<b>LANDSVIRKJUN ENERGY RESEARCH FUND 2011</b>			
Guðrún A. Sævarsdóttir	Relative permeabilities of two phase flow in geothermal reservoirs	Project grant	3.000
Halldór G. Svavarsson	Silicon nanowires for solar cells applications	Project grant	1.800
Yngvi Björnsson	Modeling of Long-Term Hydrothermal Systems Operators	Project grant	2.500
		<b>Total:</b>	<b>7.300</b>
<b>ICELANDIC ROAD ADMINISTRATION RESEARCH FUND 2011</b>			
Haraldur Sigþórsson	Zero vision in traffic safety for Iceland	Project grant	2.000
		<b>Total:</b>	<b>2.000</b>
<b>EDVARD SIGURDSSON MEMORIAL FUND 2011</b>			
Arney Einarsdóttir/Katrín Ólafsdóttir	From HR downsizing to recovery	Project grant	500
		<b>Total:</b>	<b>500</b>
		<b>TOTAL:</b>	<b>210.387</b>

**E: Grants 2012**

Principal Investigator	Project title	Type of grant	Allocated (Thousand ISK)
<b>THE ICELANDIC RESEARCH FUND 2012</b>			
Andrei Manolescu	Coulomb interaction and current flow in quantum devices	Project grant	5.760
Anna Ingólfssdóttir	Processes and Modal Logics (PROMOLO)	Project grant	4.900
Ágúst Valfells	Properties of microscopic vacuum electronic devices	Project grant	3.892
Ármann Gylfason	Lagrangian dynamics in convective turbulence	Project grant	7.580
Inga Dóra Sigfúsdóttir	Multilevel Analysis of Risk and Protective Factors for Risky Behaviours in Adolescents	Project grant	5.400
Jack James	Biobehavioural Analysis of Adolescent Reactivity to Stress	Project grant	6.560
Kristinn R. Þórisson	Robust Continuous Machine Learning of Complex Realtime Communication	Project grant	6.490
Luca Aceto	Meta-Theory of Algebraic Process Theories	Project grant	6.660
Magnús Már Halldórsson	Algorithms for ad-hoc and sensor networks	Grant of excellence	15.670
Marco Raberto	Financial instability, credit rationing and business cycles in an agent-based model: The case of Iceland	Project grant	8.020
Marjan Sirjani	Timed Asynchronous Reactive Objects in Distributed Systems: TARO	Project grant	8.520
Rögnvaldur J. Sæmundsson	The relationship between aesthetic design and innovation performance	Project grant	5.876
Sigurður Ingi Erlingsson	Coherent population trapping as a probe of non-Markovian decay	Project grant	3.530
Slawomir Koziel	Robust Automated Surrogate-Based Optimization of Microwave and RF Structures and Devices	Project grant	4.440
Slawomir Koziel	Computer aided design methodologies for microwave and millimeter-wave substrate integrated circuits for wireless applications	Project grant	4.440
Ute Schiffl	Analyzing Software Encoding Techniques: ASET	Postdoctoral grant	6.378
Yngvi Björnsson	General Intelligence Problem-Solving Agents	Project grant	6.780
		<b>Total:</b>	<b>110.896</b>
<b>STRATEGIC RESEARCH PROGRAMME FOR CENTRES OF EXCELLENCE AND RESEARCH CLUSTERS 2012</b>			
Kristinn R. Þórisson	Icelandic Institute for Intelligent Machines	Grant of excellence	55.000
		<b>Total:</b>	<b>55.000</b>
<b>THE TECHNOLOGY DEVELOPMENT FUND 2012</b>			
Eyjólfur Ingi Ásgeirsson / Hlynur Stefánsson	AGR Promotions	Project grant	10.000
Ágúst Valfells	EVA System	Project grant	10.000
Jón Guðnason/Kristinn Andersen	Automated Pinbone Removal In Cod and Whitefish (APRICOT)	Project grant	2.300
Eyjólfur Ingi Ásgeirsson	The missing link	Project grant	9.000

Leifur Þór Leifsson	Birdlike UAV	Project grant	10.000
		<b>Total:</b>	<b>41.300</b>
<b>THE ICELANDIC RESEARCH FUND FOR GRADUATE STUDENTS 2012</b>			
Ali Jafari / Marjan Sirjani	Timed Asynchronous Reactive Objects in Distributed Systems	Study grant	8.400
		<b>Total:</b>	<b>8.400</b>
<b>LANDSVIRKJUN ENERGY RESEARCH FUND 2012</b>			
Guðrún A. Sævarsdóttir	Relative permeability for two phase flow of water and steam in geothermal reservoirs	Project grant	3.000
Fjóla Guðrún Sigtryggsdóttir	Health monitoring of dams and reservoirs	Project grant	1.500
		<b>Total:</b>	<b>4.500</b>
<b>ICELANDIC ROAD ADMINISTRATION RESEARCH FUND 2012</b>			
Eyþór Rafn Þórhallsson	Fiber reinforced glulam beams	Project grant	2.200
		<b>Total:</b>	<b>2.200</b>
<b>HOUSING FINANCING FUND 2012</b>			
Eyþór Rafn Þórhallsson	Fiber reinforced glulam beams	Project grant	2.200
Eyþór Rafn Þórhallsson	E-module of Icelandic concrete	Project grant	2.360
		<b>Total:</b>	<b>4.560</b>
		<b>TOTAL:</b>	<b>226.856</b>

#### F: Grants 2013

Principal Investigator	Project title	Type of grant	Allocated (Thousand ISK)
<b>THE ICELANDIC RESEARCH FUND 2013</b>			
Ágúst Valfells	Properties of microscopic vacuum electronic devices	Project grant	6.955
Ármann Gylfason	Lagrangian dynamics in convective turbulence	Project grant	7.710
Dario Della Monica	Decidability and Expressiveness for Interval Temporal Logics	Postdoctoral grant	4.690
Hannes Högni Vilhjálmsson	Icelandic Language and Culture Training in Virtual Reykjavík	Project grant	6.120
Inga Dóra Sigfúsdóttir	Multilevel Analysis of Risk and Protective Factors for Risky Behaviours in Adolescents	Project grant	8.195
Jack James	Biobehavioural Analysis of Adolescent Reactivity to Stress	Project grant	6.860
Jack James	Effects of Dietary Caffeine Amongst Icelandic Youth	Project grant	6.654
Kamilla Rún Jóhannsdóttir	Monitoring cognitive workload in ATC using speech analysis	Project grant	5.130
Karl Ægir Karlsson	The behavioural and electrophysiological effects of Kcna and bHLH knock-down on sleep in zebrafish	Project grant	4.402
Kristinn R. Þórisson	Robust Continuous Machine Learning of Complex Realtime Communication	Project grant	6.490

Leifur Þór Leifsson	Aerodynamic Shape Optimization by Physics-Based Surrogates	Project grant	4.440
Magnús Már Halldórsson	Design of Ad-Hoc Wireless Networks	Grant of Excellence	21.520
Marco Raberto	Financial instability, credit rationing and business cycles in an agent-based model: the case of Iceland	Project grant	5.800
Marjan Sirjani	Timed Asynchronous Reactive Objects in Distributed Systems: TARO	Project grant	4.180
Sigurður Freyr Hafstein	Algorithms to compute Lyapunov functions	Project grant	3.480
Slawomir Marcin Koziel	Robust Automated Surrogate-Based Optimization of Microwave and RF Structures and Devices	Project grant	4.440
Slawomir Marcin Koziel	Computer aided design methodologies for microwave and millimeter-wave substrate integrated circuits for wireless applications	Project grant	4.440
Slawomir Marcin Koziel	Characterization, modeling, and design methodologies for integrated photonic components and circuits	Project grant	5.636
Stephan Schiffel	Combining Heuristic Search and Monte-Carlo Methods in General Game Playing	Postdoctoral grant	6.340
Yngvi Björnsson	Simulation- and Heuristic-Based Search in General Game Playing and Beyond	Project grant	10.340
		<b>Total:</b>	<b>133.822</b>
<b>STRATEGIC RESEARCH PROGRAMME FOR CENTRES OF EXCELLENCE AND RESEARCH CLUSTERS 2013</b>			
Kristinn R. Þórisson	Icelandic Institute for Intelligent Machines	Grant of excellence	55.000
		<b>Total:</b>	<b>55.000</b>
<b>THE TECHNOLOGY DEVELOPMENT FUND 2013</b>			
Jón Guðnason/Birgir Már Þorgeirsson	Personal Based ATC Training	Project grant	6.981
Karl Ægir Karlsson	Trawling for novel sleep medications	Project grant	10.000
Eyjólfur Ingi Ásgeirsson / Hlynur Stefánsson	AGR Promotions	Project grant	10.000
Jón Guðnason/Kristinn Andersen	Automated Pinbone Removal In Cod and Whitefish (APRICOT)	Project grant	10.000
Eyjólfur Ingi Ásgeirsson	The missing link	Project grant	9.000
Leifur Þór Leifsson	Birdlike UAV	Project grant	10.000
		<b>Total:</b>	<b>55.981</b>
<b>LANDSVIRKJUN ENERGY RESEARCH FUND 2013</b>			
Halldór Guðfinnur Svavarsson	Thermoelectric applications of silicon nanowires	Project grant	3.500
		<b>Total:</b>	<b>3.500</b>
<b>INFRASTRUCTURE FUND 2013</b>			
Jack James	Biobehavioural Studies of Stress	Equipment grant	6.352
		<b>Total:</b>	<b>6.352</b>
<b>THE MINISTRY OF EDUCATION, SCIENCE AND CULTURE 2013</b>			
Ásrún Matthíasdóttir	Technical education efficiency	Project grant	2.000
		<b>Total:</b>	<b>2.000</b>

		<b>TOTAL:</b>	<b>256.655</b>
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#### G: Grants 2014

Principal Investigator	Project title	Type of grant	Allocated (Thousand ISK)
<b>THE ICELANDIC RESEARCH FUND 2014</b>			
Ágúst Valfells	Properties of microscopic vacuum electronic devices	Project grant	<b>7.990</b>
Ármann Gylfason	Lagrangian dynamics in convective turbulence	Project grant	<b>4.690</b>
Bahman Pourvatan	Abelian Groups for Algebraic Constraint Automata	Postdoctoral grant	<b>6.336</b>
Dario Della Monica	Decidability and Expressiveness for Interval Temporal Logics	Postdoctoral grant	<b>4.690</b>
Hannes Högni Vilhjálmsson	Icelandic Language and Culture Training in Virtual Reykjavík	Project grant	<b>7.000</b>
Leifur Þór Leifsson	Aerodynamic Shape Optimization by Physics-Based Surrogates	Project grant	<b>4.440</b>
Magnús Már Halldórsson	Design of Ad-Hoc Wireless Networks	Grant of Excellence	<b>19.340</b>
Kamilla Rún Jóhannsdóttir	Monitoring cognitive workload in ATC using speech analysis	Project grant	<b>5.130</b>
Karl Ægir Karlsson	The behavioral and electrophysiological effects of Kcna and bHLH knock-down on sleep in zebrafish	Project grant	<b>3.979</b>
Sigurður Freyr Hafstein	Algorithms to compute Lyapunov functions	Project grant	<b>3.480</b>
Slawomir Marcin Koziel	Characterization, modeling, and design methodologies for integrated photonic components and circuits	Project grant	<b>5.636</b>
Stephan Schiffel	Combining Heuristic Search and Monte-Carlo Methods in General Game Playing	Postdoctoral grant	<b>6.452</b>
Yngvi Björnsson	Simulation- and Heuristic-Based Search in General Game Playing and Beyond	Project grant	<b>6.030</b>
Hannes Högni Vilhjálmsson	Cities that Sustain Us: Using Virtual Reality to Test the Restorative Potential of Future Urban Environments	Project grant	<b>8.321</b>
Henning Arnór Úlfarsson	Finding structure in sets of permutations	Project grant	<b>9.790</b>
Luca Aceto	Nominal Structural Operational Semantics	Project grant	<b>9.306</b>
Slawomir Marcin Koziel	Simulation-Based Computer-Aided Methodologies for Rapid Design and Modeling of Planar and Conformal Front-Ends of Phased Array Antennas	Project grant	<b>8.441</b>
Heiðdís B Valdimarsdóttir	Developing and Testing an Interactive Decision Aid for Newly Diagnosed Prostate Cancer Patients	Project grant	<b>9.980</b>
Karl Ægir Karlsson	ZOMNIAC	Project grant	<b>6.182</b>
Bryndís Björk Ásgeirsdóttir	Support of Parents of Sexually Abused Children	Project grant	<b>6.248</b>
Páll Melsted Ríkharðsson	Changes in Icelandic Management Accounting Practices since 2008 (ICEMAC 2)	Project grant	<b>5.280</b>



		<b>Total:</b>	<b>148.741</b>
<b>STRATEGIC RESEARCH PROGRAMME FOR CENTRES OF EXCELLENCE AND RESEARCH CLUSTERS 2014</b>			
Kristinn R. Þórisson	Icelandic Institute for Intelligent Machines	Grant of Excellence	<b>55.000</b>
		<b>Total:</b>	<b>55.000</b>
<b>THE TECHNOLOGY DEVELOPMENT FUND 2014</b>			
Karl Ægir Karlsson	Trawling for novel sleep medications	Project grant	<b>10.000</b>
Eyjólfur Ingi Ásgeirsson / Hlynur Stefánsson	AGR Promotions	Project grant	<b>10.000</b>
Jón Guðnason	Speech recognition for Landspítali - automatic transcription of medical imaging study results	Project grant	<b>6.600</b>
Leifur Þór Leifsson	Birdlike UAV	Project grant	<b>10.000</b>
		<b>Total:</b>	<b>36.600</b>
<b>LANDSVIRKJUN ENERGY RESEARCH FUND 2014</b>			
Halldór Guðfinnur Svavarsson	Thermoelectric applications of silicon nanowires	Project grant	<b>3.500</b>
Ágúst Valfells	Operational research on geothermal harnessing	Project grant	<b>2.000</b>
Eypór Rafn Þórhallsson	Safe and reliable structures with regard to earthquake action	Project grant	<b>2.500</b>
		<b>Total:</b>	<b>8.000</b>
<b>INFRASTRUCTURE FUND 2014</b>			
Slawomir Marcin Koziel	Infrastructure for prototyping and measurement of microwave/antenna components and circuits	Equipment grant	<b>6.815</b>
		<b>Total:</b>	<b>6.815</b>
<b>GEORG 2014</b>			
Guðrún Sævarsdóttir	Deep geothermal systems	Project grant	<b>4.250</b>
		<b>Total:</b>	<b>4.250</b>
		<b>TOTAL:</b>	<b>259.406</b>

#### H: Grants 2015

<b>Principal Investigator</b>	<b>Project title</b>	<b>Type of grant</b>	<b>Allocated (Thousand ISK)</b>
<b>THE ICELANDIC RESEARCH FUND 2015</b>			
Bryndís Björk Ásgeirsdóttir	Support of Parents of Sexually Abused Children	Project grant	<b>6.248</b>
Dario Della Monica	Decidability and Expressiveness for Interval Temporal Logics	Postdoctoral grant	<b>4.690</b>
Hannes Högni Vilhjálmsson	Icelandic Language and Culture Training in Virtual Reykjavík	Project grant	<b>6.880</b>
Hannes Högni Vilhjálmsson	Cities that Sustain Us: Using Virtual Reality to Test the Restorative Potential of Future Urban Environments	Project grant	<b>11.759</b>
Heiðdís B Valdimarsdóttir	Developing and Testing an Interactive Decision Aid for Newly Diagnosed Prostate Cancer Patients	Project grant	<b>9.856</b>

Henning Arnór Úlfarsson	Finding structure in sets of permutations	Project grant	9.955
Jón Guðnason	Model-based speech production analysis and voice quality assessment	Project grant	12.792
Kamilla Rún Jóhannsdóttir	Monitoring cognitive workload in ATC using speech analysis	Project grant	3.630
Karl Ægir Karlsson	ZOMNIAC	Project grant	7.464
Leifur Þór Leifsson	Aerodynamic Shape Optimization by Physics-Based Surrogates	Project grant	4.440
Luca Aceto	Nominal Structural Operational Semantics	Project grant	10.956
Magnús Már Halldórsson	Models of Unreliability and Dynamics in Wireless Networks	Project grant	9.264
Ólafur Eysteinn Sigurjónsson	Bioactivity and characterization of platelet derived substances to be used in regenerative medicine	Project grant	11.820
Paolo Gargiulo, Halldór Jónsson	Clinical evaluation score for Total Hip Arthroplasty planning and postoperative assessment	Project grant	4.050
Sigurður Freyr Hafstein	Algorithms to compute Lyapunov functions	Project grant	3.480
Sigurður Freyr Hafstein	Lyapunov Methods and Stochastic Stability	Project grant	12.552
Slawomir Marcin Koziel	Characterization, modeling, and design methodologies for integrated photonic components and circuits	Project grant	4.440
Slawomir Marcin Koziel	Simulation-Based Computer-Aided Methodologies for Rapid Design and Modeling of Planar and Conformal Front-Ends of Phased Array Antennas	Project grant	7.388
Slawomir Marcin Koziel	Feasible EM-Driven Multi-Objective Design of Antenna Structures	Project grant	8.406
Stephan Schiffel	Combining Heuristic Search and Monte-Carlo Methods in General Game Playing	Postdoctoral grant	6.452
Ýmir Vigfússon	Simulation- and Heuristic-Based Search in General Game Playing and Beyond	Project grant	9.240
Yngvi Björnsson	Detecting outbreaks with mobile phone data	Project grant	3.630
		<b>Total:</b>	<b>169.392</b>
<b>STRATEGIC RESEARCH PROGRAMME FOR CENTRES OF EXCELLENCE AND RESEARCH CLUSTERS 2015</b>			
Kristinn R. Þórisson	Icelandic Institute for Intelligent Machines	Grant of Excellence	55.000
		<b>Total:</b>	<b>55.000</b>
<b>TECHNOLOGY DEVELOPMENT FUND 2015</b>			
Karl Ægir Karlsson	Trawling for novel sleep medications	Project grant	10.000
		<b>Total:</b>	<b>10.000</b>
<b>INFRASTRUCTURE FUND 2015</b>			
Paolo Gargiulo	High Density (256-Channel) EEG system in Iceland for Research, Education and Training	Build-up grant	20.625
Slawomir Marcin Koziel	Anechoic Chamber for High-Frequency Measurements of Antennas and Radiation Fields	Build-up grant	16.599

		<b>Total:</b>	<b>37.224</b>
<b>LSH SSCIENCE FUND 2015</b>			
Hannes Högni Vilhjálmsson	A Computer Game for Patient Education	Innovation grant	<b>1.800</b>
Ólafur Eysteinn Sigurjónsson	Development and construction of a bioreactor systems for bone development and development of non-invasive methods to detect bone differentiation in vitro.	Project grant	<b>670</b>
Ólafur Eysteinn Sigurjónsson	Analysing metabolic changes and platelet storage lesion during platelet storage in blood bank settings.	Project grant	<b>475</b>
Ólafur Eysteinn Sigurjónsson	Analysing metabolic changes that occur during red cell concentrate storage: A way to develop better quality red cell concentrates.	Project grant	<b>690</b>
Þórður Helgason	Estimation of shape and polarity of electrical pulses for activating posterior spinal cord roots by transcutaneous spinal cord stimulation	Project grant	<b>655</b>
Þórður Helgason	Ultrasound Current Source Density Imaging for Monitoring Electrical Stimulation Therapy of Denervated Muscles	Project grant	<b>525</b>
		<b>Total:</b>	<b>37.224</b>
<b>ICELANDIC LANGUAGE TECHNOLOGY FUND 2015</b>			
Jón Guðnason	Free and open speech recognition for Icelandic	Project grant	<b>14.400</b>
		<b>Total:</b>	<b>14.400</b>
		<b>TOTAL:</b>	<b>290.831</b>

### I: Grants 2016

Principal Investigator	Project title	Type of grant	Allocated (Thousand ISK)
<b>THE ICELANDIC RESEARCH FUND 2016</b>			
Andrei Manolescu	Core/shell nanoantennas	Project grant	<b>10.737</b>
Bryndís Björk Ásgeirsdóttir	Support of Parents of Sexually Abused Children	Project grant	<b>6.248</b>
Hannes Högni Vilhjálmsson	Cities that Sustain Us: Using Virtual Reality to Test the Restorative Potential of Future Urban Environments	Project grant	<b>9.889</b>
Heiðdís B Valdimarsdóttir	Developing and Testing an Interactive Decision Aid for Newly Diagnosed Prostate Cancer Patients	Project grant	<b>9.878</b>
Henning Arnór Úlfarsson	Finding structure in sets of permutations	Project grant	<b>8.030</b>
Jón Guðnason	Model-based speech production analysis and voice quality assessment	Project grant	<b>12.772</b>
Karl Ægir Karlsson	ZOMNIAC	Project grant	<b>8.970</b>
Luca Aceto	Nominal Structural Operational Semantics	Project grant	<b>9.306</b>
Luca Aceto	TheoFoMon: Theoretical Foundations for Monitorability	Project grant	<b>7.975</b>
Magnús Már Halldórsson	Models of Unreliability and Dynamics in Wireless Networks	Project grant	<b>13.872</b>

Marjan Sirjani	SEADA-Pilot	Project grant	<b>13.300</b>
Ólafur Eysteinn Sigurjónsson	Bioactivity and characterization of platelet derived substances to be used in regenerative medicine	Project grant	<b>11.760</b>
Paolo Gargiulo, Halldór Jónsson	Clinical evaluation score for Total Hip Arthroplasty planning and postoperative assessment	Project grant	<b>5.120</b>
Sigurður Freyr Hafstein	Complete Lyapunov functions: Efficient numerical computation	Project grant	<b>14.440</b>
Sigurður Freyr Hafstein	Lyapunov Methods and Stochastic Stability	Project grant	<b>12.888</b>
Slawomir Marcin Koziel	Accelerated Design of Compact RF and Microwave Structures	Project grant	<b>14.175</b>
Slawomir Marcin Koziel	Simulation-Based Computer-Aided Methodologies for Rapid Design and Modeling of Planar and Conformal Front-Ends of Phased Array Antennas	Project grant	<b>10.000</b>
Slawomir Marcin Koziel	Feasible EM-Driven Multi-Objective Design of Antenna Structures	Project grant	<b>8.406</b>
Valdimar Sigurðsson	Experimental Analysis of Online Consumer Behavior and its Relevance to Online Healthy Food Marketing	Project grant	<b>3.600</b>
Ymir Vigfússon	Detecting outbreaks with mobile phone data	Project grant	<b>12.960</b>
		<b>Total:</b>	<b>204.326</b>
<b>TECHNOLOGY DEVELOPMENT FUND 2016</b>			
Karl Ægir Karlsson	US Marketing	Marketing grant	<b>10.000</b>
Hannes Högni Vilhjálmsson	Cities that Sustain Us 2: Creating Virtual Futures	Applied research grant	<b>14.860</b>
		<b>Total:</b>	<b>24.860</b>
<b>INFRASTRUCTURE FUND 2016</b>			
Slawomir Marcin Koziel	Equipment for rapid prototyping of multi-layer microwave and 3D antenna structures	Build-up grant	<b>6.602</b>
		<b>Total:</b>	<b>6.602</b>
<b>LSH SSCIENCE FUND 2016</b>			
Ólafur Eysteinn Sigurjónsson	Development and construction of a bioreactor systems for bone development and development of non-invasive methods to detect bone differentiation in vitro.	Project grant	<b>405</b>
Ólafur Eysteinn Sigurjónsson	Analysing metabolic changes and platelet storage lesion during platelet storage in blood bank settings.	Project grant	<b>675</b>
Ólafur Eysteinn Sigurjónsson	Analysing metabolic changes that occur during red cell concentrate storage: A way to develop better quality red cell concentrates.	Project grant	<b>835</b>
Ólafur Eysteinn Sigurjónsson	Analysing changes in miRNA profiles during storage of pathogen inactivated platelets	Project grant	<b>845</b>
		<b>Total:</b>	<b>2.760</b>
<b>ICELANDIC LANGUAGE TECHNOLOGY FUND 2016</b>			
Jón Guðnason	Environment for building text-to-speech synthesis for Icelandic	Project grant	<b>23.077</b>
		<b>Total:</b>	<b>23.077</b>
<b>GENDER EQUALITY FUND 2016</b>			
Bjarni Már Magnússon	Gender equality in sports	Project grant	<b>3.300</b>
Haukur Freyr Gylfason	Are Icelandic women more honest than Icelandic men?	Project grant	<b>1.000</b>

		<b>Total:</b>	<b>4.300</b>
<b>LANDSVIRKJUN ENERGY RESEARCH FUND 2016</b>			
Halldór Guðfinnur Svavarsson	Thermoelectric generator based on silicon nanowires	Project grant	<b>3.300</b>
Simon Einarsson	Wind Turbine Reliability Modeling	Master grant	<b>600</b>
		<b>Total:</b>	<b>3.900</b>
<b>LANDSBANKINN SOCIETY GRANT 2016</b>			
Bjarni Már Magnússon	Gender equality in sports	Project grant	<b>500</b>
		<b>Total:</b>	<b>1.500</b>
<b>EDVARÐ SIGURÐSSON MEMORIAL FUND 2016</b>			
Katrín Ólafsdóttir	A closer look at a labor market in crisis: Were women sheltered from the shock?	Project grant	<b>750</b>
		<b>Total:</b>	<b>750</b>
		<b>TOTAL:</b>	<b>271.075</b>

#### J: Grants 2017

Principal Investigator	Project title	Type of grant	Allocated (Thousand ISK)
<b>THE ICELANDIC RESEARCH FUND 2017</b>			
Jón Guðnason	Model-based speech production analysis and voice quality assessment	Project grant	<b>9.456</b>
Magnús Már Halldórsson	Models of Unreliability and Dynamics in Wireless Networks	Project grant	<b>11.568</b>
Paolo Gargiulo, Halldór Jónsson	Clinical evaluation score for Total Hip Arthroplasty planning and postoperative assessment	Project grant	<b>4.570</b>
Sigurður Freyr Hafstein	Lyapunov Methods and Stochastic Stability	Project grant	<b>10.560</b>
Slawomir Marcin Koziel	Feasible EM-Driven Multi-Objective Design of Antenna Structures	Project grant	<b>12.696</b>
Ýmir Vigfússon	Detecting outbreaks with mobile phone data	Project grant	<b>9.840</b>
Ólafur Eysteinn Sigurjónsson	Bioactivity and characterization of platelet derived substances to be used in regenerative medicine	Project grant	<b>10.260</b>
Andrei Manolescu	Core/shell nanoantennas	Project grant	<b>14.745</b>
Sigurður Freyr Hafstein	Complete Lyapunov functions: Efficient numerical computation	Project grant	<b>15.044</b>
Luca Aceto	TheoFoMon: Theoretical Foundations for Monitorability	Project grant	<b>13.612</b>
Marjan Sirjani	SEADA-Pilot	Project grant	<b>14.305</b>
Slawomir Marcin Koziel	Accelerated Design of Compact RF and Microwave Structures	Project grant	<b>13.915</b>
Valdimar Sigurðsson	Experimental Analysis of Online Consumer Behavior and its Relevance to Online Healthy Food Marketing	Project grant	<b>11.926</b>
Ágúst Valfells	DC Vacuum-Microdiode Arrays as Tuneable THz Sources	Project grant	<b>14.375</b>
Hannes Högni Vilhjálmsson	Character Territoriality: Social Spatial Reasoning for Digital Actors	Project grant	<b>17.262</b>
Leifur Þór Leifsson	Turbulence Modeling Using Full Field Inversion and Physics-based Surrogates	Project grant	<b>14.182</b>
Magnús Már Halldórsson	Post-modern models of wireless algorithms	Project grant	<b>15.625</b>

Paolo Gargiulo, Ceon Ramon	Modeling of Cranial Muscle Artefacts in EEG Data	Project grant	6.135
Slawomir Marcin Koziel	Computer-aided methods for design of circularly polarized antennas and antenna arrays	Project grant	13.757
Kristinn Torfason	Vacuum Electronics	Postdoctoral grant	7.800
Ingibjörg Eva Þórisdóttir	Risk and protective factors for adolescent depressed mood and anxiety: A biopsychosocial approach	Doctoral student grant	4.860
		<b>Total:</b>	<b>246.493</b>
<b>TECHNOLOGY DEVELOPMENT FUND 2017</b>			
Karl Ægir Karlsson	Development of zebrafish ALS model	Project grant	25.000
Kristinn R. Þórisson	Predicting the health impact of sleep quality	Project grant	15.000
Halla Helgadóttir	Symbolic Pattern Discovery for Business Event Data	Project grant	15.000
María Sigríður Guðjónsdóttir	Data fusion for geothermal reservoirs	Project grant	15.000
Hannes Högni Vilhjálmsson	Cities that Sustain Us 2: Creating Virtual Futures	Project grant	15.000
		<b>Total:</b>	<b>85.000</b>
<b>INFRASTRUCTURE FUND 2017</b>			
Halldór Guðfinnur Svavarsson	Sunsimulator	Build-up grant	2.101
Slawomir Marcin Koziel	Upgrading high-frequency measurement capabilities of RU microwave laboratory and anechoic chamber	Build-up grant	8.268
		<b>Total:</b>	<b>10.369</b>
<b>SPORT SCIENCE FUND 2017</b>			
Jose Miguel Saavedra Garcia	A multivariate analysis of performance in handball players	Project grant	500
		<b>Total:</b>	<b>500</b>
<b>EIMSKIP FUND 2017</b>			
Jose Miguel Saavedra Garcia	Physical activity and sedentary behavior in the workplaces. Health promotion and changes to company's culture	Project grant	2.470
		<b>Total:</b>	<b>2.470</b>
<b>LANDSVIRKJUN ENERGY RESEARCH FUND 2017</b>			
Cari Debra Covell	Data fusion for Geothermal Reservoir Characterization	Doctoral student grant	1.200
		<b>Total:</b>	<b>1.200</b>
<b>ST. JOSEPH'S HOSPITAL 2017</b>			
María Kristín Jónsdóttir	AGES – Reykjavik Study - Cognitive ageing: Cognitive reserve, brain reserve and successful aging	Doctoral student grant	3.180
		<b>Total:</b>	<b>3.180</b>
		<b>TOTAL:</b>	<b>349.212</b>