

Fulbright Specialist Programme



EMBERI ERŐFORRÁSOK
MINISZTERIUMA

Strategy of Hungarian Tertiary Education

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Tertiary education in numbers

Higher Education Institutions

State universities	22
Non-state universities:	
private	2
church	5
State universities of applied sciences	5
Non-state universities of applied sciences	4
State colleges	1
Non-state colleges:	
private	4
church	22
Total	65



Student numbers

	Public	Ecclesiast.	Private	Total
Tertiary vocational programmes	10 595	764	877	12 236
First cycle programmes (BA/BSc)	147 359	11 136	11 825	170 320
Second cycle programmes (MA/MSc)	31 726	1 931	1 197	34 854
Single cycle long MA/MSc programmes	35 713	6 109	12	41 834
Postgraduate specialisation programmes	13 377	1 753	1 300	16 430
Doctoral programmes (PhD/DLA)	7 153	413	110	7 676
Total	245 923	22 106	15 321	283 350



Change of Pace in Higher Education

Guidelines for Performance Oriented Higher Education Development

The new **Higher Education Strategy** was first discussed by the government in December 2014 but only two years came into force.

*„Paradigm shift in
higher education”*





The Strategy focuses on...

Megatrends

- Technology development
- Globalization
- Demography and longevity
- Transformation of society
- Limited resources

Challenges

- Focusing activities
- Collaborations within the institution, between institutions, and with external partners
- Re-interpretation of value-creating processes
- Efficiency, effectiveness, generating new resources

Solutions

- Competition, performance, quality and success
 - Restructuring the network
 - Innovation in education
 - Profiling and specialization
 - Effective governance and new business models
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Higher education system that reflects our traditions and academic values as well

Professional higher education system that reflects the labour-market needs

European-level researches which are also relevant for national economy

Students, teachers and institutions able to face challenges and international competition

Higher education institutions as regional centres of social mobility and innovation

What do we want to achieve?





Building blocks of the Strategy

VISION

KPI and targets

STRATEGIC GOALS

Excellence
in education

Excellence in
research

Social
responsibility

ENABLERS

< Profiling and specialization >

< Restructuring the network >

< Innovation in education >

< Governance and business models >

KEY TRAINING FIELDS

Teachers
training

Medical, healthcare
and social education

STEM
education

Business, economic
education

Agricultural
education



Objectives – Education

Supporting student success

Creating more opportunities for the youth in education and employment, social advancement, wider access to higher education

More flexible (tertiary vocational) trainings to make HEIs a place suitable for LLL

Renewal of tertiary education trainings, connecting the labour market needs with the programmes

Active citizenship

Academic staff and student mobility, internationalization of higher education

Education innovation and teaching methodology

Quality assurance and teacher excellence (including performance indicators and wage structures)

Increasing the number of female instructors and researchers in underrepresented areas and senior positions

Networking and interinstitutional cooperations



Objectives – R&D

Higher education involved in building up innovation competences of technology-intensive companies, especially SMEs

Renewal of research funding to enhance international competitiveness

Building up interinstitutional R&D networks

Universities as research centres, international embeddedness

Improving R&D infrastructure

Establishment of Higher Education and Industrial Cooperation Centers (FIEK)



Objectives – Third mission

Strengthening the impact of higher education on local economic development

Increasing the activity of HEIs in addressing social challenges and disseminating social innovation

Expanding science-advocacy, awareness raising and free access to higher education knowledge bases

Creating up-to-date information content (digitalization)

Transborder (crossborder) Hungarian education enhancement



Objectives – Finance

Stable, predictable, task-based and performance-based financing

Continuous monitoring of the HEIs

Provision of central sector services

Reduce the exposure of institutions to governmental sources, improve their ability to attract market funds

Enhance the socio-economic role of the HEIs



Use of EU resources in higher education

Strategic framework



On September 11, 2014, the Government of Hungary signed the 7-year Partnership Agreement with the European Commission



1037/2016. (II.9) Gov. Decision on establishing the annual development framework for the Human Resource Development Operational Program



1785/2016. (XII.16.) Gov. Decision on the adoption of the "Pace of Change in Higher Education Medium-Term Policy Strategy 2016"



1359/2017. (VI.12.) Gov. Decision on the "Action Plan for the Pace of Change in Higher Education Medium Term Policy Strategy 2016 for 2016-2020"

The Human Resource Development Operational Programme (HRDOP)



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Policy objectives in HRDOP	Amount of subsidy (HUF bn)
Jointly improve the quality and accessibility of higher education	53
Improve labor market competences in the higher education system	6,92
Increasing research, innovation and smart specialization through the development of the higher education system and related human resources development	51,9
Infrastructural developments in higher education	28,53
The contribution of higher education to developments in social innovation	0,69
Total	141

Identification number	Title	Selection procedure	Grant awarded (bn HUF)	Number of supported projects (pcs)
HRDOP-3.2.6-16.	Facilitating students' ability to unfold in public education institutions	key project (University of Fine Arts (consortium leader))	2,89	1
HRDOP-3.2.13-17.	A comprehensive foundation and development of career orientation activities of primary and secondary schools, in particular STEM skills and competences	standard	1	1
HRDOP-3.4.1-15.	Support for Roma professional colleges (higher education co-supervisor)	standard	1,15	9
HRDOP-3.4.2-VEKOP-15	Campus Mundi - higher education mobility and internationalization program	key project (Tempus Public Foundation)	9,2	1
HRDOP-3.4.3-16	Institutional enhancement of higher education in order to improve the quality and accessibility of higher education	standard	24,92	22
HRDOP-3.4.4-16	Implementation of skills development and communication programs to promote higher education and promotion of STEM in higher education	standard	7,91	23
HRDOP-3.4.5-VEKOP-17	Sectoral programs for system development and access to higher education	key project (Educational Authority)	1,93	1
HRDOP-3.4.6-VEKOP-17	Development of institutional governance in higher education	standard	3,98	1
HRDOP-3.5.1-16	Development of dual and cooperative higher education courses, vocational training and specialization courses in higher education	standard	5,72	16
HRDOP-3.5.2-17	Development of dual and practice-oriented higher education training and educational innovation in social work and assisting professions as well as in engineering pedagogy and professional teacher education	standard	1,19	3
HRDOP-3.6.1-16	Institutional developments for smart specialization	standard	22	21
HRDOP-3.6.2-16	Thematic research network co-operations	standard	20,21	16
HRDOP-3.6.3-VEKOP-16	Supporting academic workshops and programs of higher education students	standard	9,67	6
HRDOP-4.2.1-16	Development of higher education infrastructure	standard	28,53	16
HRDOP-5.2.5-18	Social Innovations - Developing New Methods	standard	0,69	4
Total			141	141



3.4 Jointly improve the quality and accessibility of higher education

- **to promote the emergence of disadvantaged people**
 - **reducing the number of overcurrents and dropouts**
 - **increasing the number of participants in further training**
 - **enhancing student mobility**
 - **a performance-oriented transformation of higher education**
 - **direct participatory interventions**
 - **transforming the training structure**
 - **content development**
 - **renewal and digitization of teaching methodology**
 - **internationalization processes**
- HRDOP-3.2.6-16.** Facilitating students' ability to unfold in public education institutions
- HRDOP-3.2.13-17.** A comprehensive foundation and development of career orientation activities of primary and secondary schools, in particular STEM skills and competences
- HRDOP-3.4.1-15.** Support for Roma professional colleges
- HRDOP-3.4.2-VEKOP-15.** Campus Mundi - higher education mobility and internationalization program
- HRDOP-3.4.3-16.** Institutional enhancement of higher education in order to improve the quality and accessibility of higher education
- HRDOP-3.4.4-16.** Implementation of skills development and communication programs to promote higher education and promotion of STEM in higher education
- HRDOP-3.4.5-VEKOP-17.** Sectoral programs for system development and access to higher education
- HRDOP-3.4.6-VEKOP-17.** Development of institutional governance in higher education
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3.5. Improving labor market competences in the higher education system



- transversal skills, including the development of entrepreneurial spirit
 - the development of distance learning and open source learning
 - providing a flexible training supply,
 - increasing the pedagogical and linguistic competences of trainers
 - launching dual training
 - the expansion of vocational training in the higher education system
 - the launch of short cycle, higher education and retraining programs within the higher education system
 - incorporating entrepreneurial knowledge into teaching materials
 - training and modules development
 - starting targeted training programs for skills shortages
- **HRDOP-3.5.1-16.** Development of dual and cooperative higher education courses, vocational training and specialization courses in higher education
 - **HRDOP-3.5.2-17.** Development of dual and practice-oriented higher education training and educational innovation in social work and assisting professions as well as in engineering pedagogy and professional teacher education
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3.6 Increasing research, innovation and smart specialization



- **Supporting the human side of the spin-off and start-up ecosystem building**
 - **training of RDI professionals**
 - **incorporating entrepreneurship attitude into education**
 - **providing access to major research infrastructures, ensuring mutual access to higher education and enterprise research infrastructure**
 - **involving the corporate sector in support of talented students**
 - **targeted grant for Horizon 2020 and other ERA (EIT CCIs, FETs, etc.)**
 - **expanding researcher resource, attracting students and young researchers into innovative research teams, supporting brain-gain programs to counteract brain drain,**
 - **actively increasing women's scientific participation**
 - **HRDOP-3.6.1-16.** Institutional developments for smart specialization
 - **HRDOP-3.6.2-16.** Thematic research network co-operations
 - **HRDOP-3.6.3-VEKOP-16.** Supporting academic workshops and programs of higher education students
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4.2 Infrastructural developments in higher education



- **investments to increase the proportion of those with a tertiary or equivalent qualification, improving short-term and further training conditions, increasing the share of student hours;**
 - **to promote quality renewal and better compliance with economic needs**
 - **creating a flexible transition from training to labor market, building the knowledge triangle and creating the higher education infrastructure for innovative market and higher education co-operation**
 - **HRDOP-4.2.1-16. Development of higher education infrastructure**
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5.2. The contribution of higher education to developments in social innovation

- **improving the availability and quality of Hungarian (public) services**
 - **identifying problems in the life of local society, developing and piloting innovative solutions to respond to local needs, contributing to solving the problems typical of a given region, compensating for the disadvantages of the population's social status and territorial features**
 - **HRDOP-5.2.5-18. Social Innovations - Developing New Methods**
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Ranking	Institution name	All HRDOP subsidies awarded (HUF bn)
1.	Szegedi Tudományegyetem	20,15
2.	Debreceni Egyetem	19,23
3.	Pécsi Tudományegyetem	18,09
4.	Eötvös Loránd Tudományegyetem	10,19
5.	Tempus Közalapítvány	9,2
6.	Széchenyi István Egyetem	6,52
7.	Budapesti Műszaki és Gazdaságtudományi Egyetem	5,96
8.	Miskolci Egyetem	5,22
9.	Eszterházy Károly Egyetem	4,25
10.	Pannon Egyetem	4,12
11.	Soproni Egyetem	4,09
12.	Budapesti Corvinus Egyetem	4,08
13.	Magyar Képzőművészeti Egyetem	3,28
14.	Óbudai Egyetem	3,12
15.	Oktatási Hivatal	2,93
16.	Állatorvostudományi Egyetem	2,7
17.	Semmelweis Egyetem	2,57
18.	Kaposvári Egyetem	2,53
19.	Szent István Egyetem	2,38
20.	Neumann János Egyetem	2,22
21.	Budapesti Gazdasági Egyetem	1,9
22.	Dunaújvárosi Egyetem	1,39
23.	Eötvös József Főiskola	0,97
24.	Nyíregyházi Egyetem	0,93
25.	Edutus Főiskola	0,67
26.	Moholy-Nagy Művészeti Egyetem	0,45
27.	Pázmány Péter Katolikus Egyetem	0,35
28.	Testnevelési Egyetem	0,27
29.	Kodolányi János Főiskola	0,15
30.	Wáli István Református Cigány Szakkollégium	0,13
31.	Szent Miklós Görögkatolikus Diákokthos	0,129
32.	Görögkatolikus Egyetemi és Főiskolai Kollégium Cigány Szakkollégium	0,12654
33.	Evangélikus Roma Szakkollégium	0,12650
34.	Szegedi Keresztény Roma Szakkollégium	0,1259
35.	Gál Ferenc Főiskola	0,1257
36.	Gábor Dénes Főiskola	0,08
37.	Wekerle Sándor Üzleti Főiskola	0,072
38.	A Tan Kapuja Buddhista Főiskola	0,05

The fulfillment of the higher education objectives of the European Union 2020 Strategy



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Increasing the proportion of higher education or equivalent graduates in the 30-34 age group of the population

34%

The proportion of the 15-24 year olds compared to the total population

	2016 (%)	2017 (%)	2018 (%)
EU28	11,1	10,9	10,8
HU	11,4	11,1	10,9

(Source: https://www.ksh.hu/docs/hun/eurostat_tablak/tab1/tps00010.html)

The fulfillment of the RDI objectives of the European Union 2020 Strategy



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Increasing R&D
expenditures by
GDP

1,8 %

R&D expenditures by GDP

	2014 (%)	2015 (%)	2016 (%)	2017 (%)
EU28	2,03	2,04	2,04	2,06
HU	1,35	1,36	1,21	1,35

(Source: http://www.ksh.hu/thm/1/indi1_3_1.html,
http://ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&language=en&pcode=t2020_20&plugin=1)



Recent reforms

New practically oriented, dual tertiary degree programmes

22-24 weeks of practical training

fixed-term employment contract, where students receive a salary

Community-based higher education centres in disadvantaged regions

HE participation and attainment of disadvantaged regions

local and regional

competitiveness





Chancellery system

- Appointed by the Prime Minister
- Financial and economic decisions steering of universities
- Effective allocation of resources

Consistory system

- Five-member body
- Decides on long-term strategic goals and medium-term institutional development plan and the annual budget programme





Doctoral Programmes

- - The number of students enrolled and headcount supported by Hungarian state scholarship have risen
- - New training cycle (2+2 years and PhD scholarship)
- - Measures are needed to strengthen new generation of scientists

Raising human capacities of HEIs on the field of research

- Strengthening the human capacities on the field of research
- Raising the number of researchers





**Thank you for your
kind attention!**