



# RESEARCH NETWORK OF THE HUNGARIAN ACADEMY OF SCIENCES

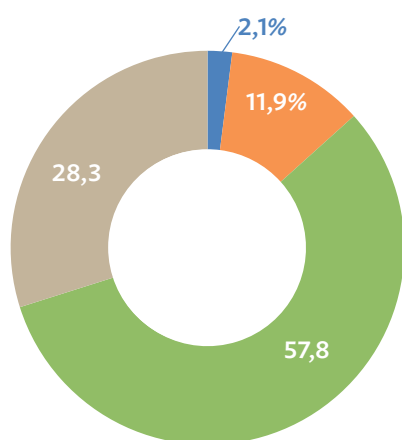
THE STORY OF THE HUNGARIAN ACADEMY OF SCIENCES (MTA) IS MARKED BY ONE OF THE MOST NOBLE GESTURES OF HUNGARIAN HISTORY: COUNT ISTVÁN SZÉCHENYI OFFERED ONE YEAR'S INCOME OF HIS ESTATES FOR THE PURPOSE OF ESTABLISHING THIS INSTITUTION ON 3 NOVEMBER, 1825 DURING THE POZSONY (BRATISLAVA) NATIONAL ASSEMBLY. OVER THE PAST ALMOST TWO HUNDRED YEARS, THE ACADEMY HAS SERVED AS THE CENTRAL INSTITUTION OF SCHOLARLY LIFE IN HUNGARY AND ITS RESEARCH NETWORK HAS BECOME A FUNDAMENTAL PILLAR OF HUNGARY'S SCIENTIFIC REALM.

The maintenance and effective management of the research network of the Academy is one of the most important missions of the MTA, which is funded through a separate division of the central Hungarian budget. This unparalleled network – covering almost all fields of science and made up of research institutions and research groups of full-time researchers – focuses on basic research. The network consists of 10 research centres, including 38 institutes, 5 legally independent research institutes, 96 research groups supported by the MTA working at universities and public collections and 95 Lendület (Momentum) research groups for outstanding young researchers.

## WHO WORKS AT THE RESEARCH INSTITUTES?

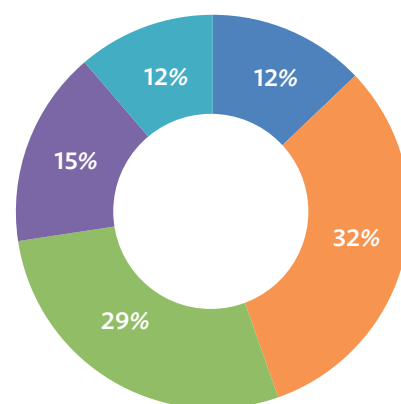
In 2017 the average number of employees at MTA research institutes was 4,049. That number includes 2,439 researchers specialised in all three branches of science including natural sciences, social sciences and humanities, and also administrative and technical staff. With this headcount, the Academy is the largest employer of highly-skilled scientists in Hungary. With 10% of all research personnel in Hungary the Academy produces over 30% of highly-cited publications of the country. The number of employees not working on research has seen a steady fall in recent years, while the number of researchers in university and Lendület (Momentum) research groups has seen a 8.4% increase compared to the previous year.

The distribution of researchers of the Academy according to academic degree and title in 2017:



- Member of the MTA
- Doctor of the Academy
- PhD/CSc
- no title

The distribution of researchers of the Academy according to age in 2017:



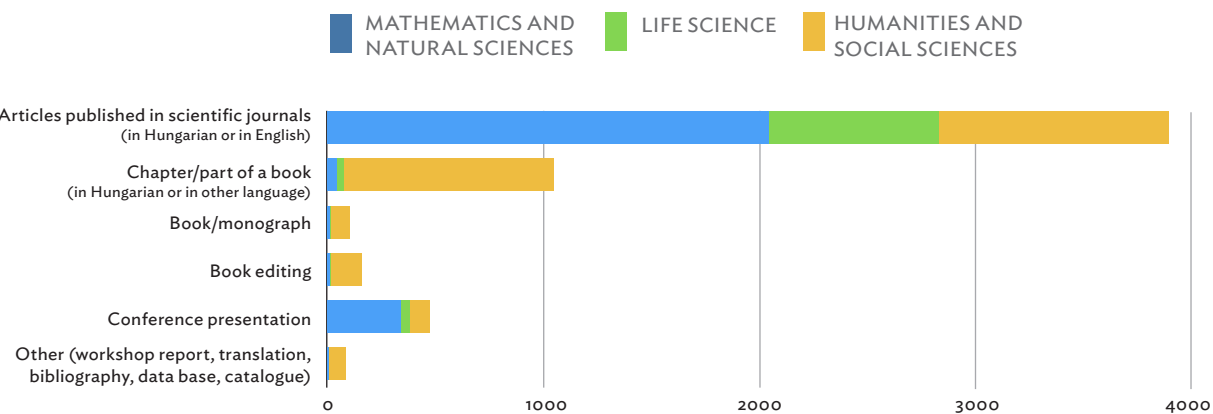
- under 30
- between 31-40
- between 41-50
- between 51-60
- between 61-70

In the past few years, the average age of the Academy's researchers has decreased substantially, mainly owing to the programmes targeting young researchers. In the past years slightly more than one-third of researchers were women; in 2017 this ratio was 36%. There is one institute, where at least half of the researchers are women: 63% in the Research Institute for Linguistics.

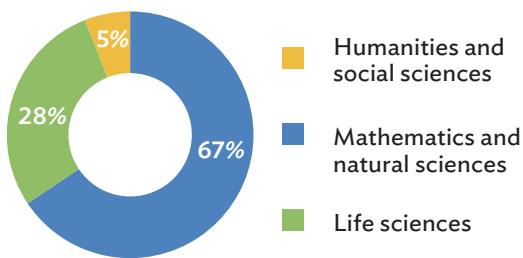
## SCIENTIFIC ACHIEVEMENTS

In 2017 the research network of the Academy published 6,037 items, including scientific publications, educational materials and popular science articles. Similarly to previous years, the proportion of scientific articles was 92%.

The distribution of publication types in the three main fields of science by MTA's research network in 2016:



2,402 articles were published in journals with an impact factor by the research network of the Academy in 2017 in the following fields:



The number of researchers teaching regularly at universities	936
The number of researchers teaching at graduate schools	528
Number of graduate school core members	245
The number of graduate school leaders	19
Supervising of PhD theses	1204





## RESEARCH CENTRES AND RESEARCH INSTITUTES OF THE MTA IN 2015

1.	MTA Alfréd Rényi Institute of Mathematics (Budapest)	<a href="http://www.renyi.mta.hu">www.renyi.mta.hu</a>
2.	MTA Centre for Agricultural Research (Martonvásár, Budapest)	<a href="http://www.agrar.mta.hu">www.agrar.mta.hu</a>
	Institute for Veterinary Medical Research (Budapest)	<a href="http://www.vMRI.hu">www.vMRI.hu</a>
	Agricultural Institute (Martonvásár)	<a href="http://www.mgki.hu">www.mgki.hu</a>
	Plant Protection Institute (Budapest)	<a href="http://www.atk-novi.hu">www.atk-novi.hu</a>
	Institute for Soil Science and Agricultural Chemistry (Budapest)	<a href="http://www.mta-taki.hu">www.mta-taki.hu</a>
3.	MTA Biological Research Centre (Szeged)	<a href="http://www.brc.mta.hu">www.brc.mta.hu</a>
	Institute of Biophysics	<a href="http://www.brc.mta.hu/biophysics.php">www.brc.mta.hu/biophysics.php</a>
	Institute of Biochemistry	<a href="http://www.brc.mta.hu/biochemistry.php">www.brc.mta.hu/biochemistry.php</a>
	Institute of Genetics	<a href="http://www.brc.mta.hu/genetics.php">www.brc.mta.hu/genetics.php</a>
	Institute of Plant Biology	<a href="http://www.brc.mta.hu/plant_biology.php">www.brc.mta.hu/plant_biology.php</a>
4.	MTA Centre for Ecological Research (Tihany, Vácrátót, Budapest)	<a href="http://www.okologia.mta.hu/en">www.okologia.mta.hu/en</a>
	Balaton Limnological Institute (Tihany)	<a href="http://www.bli.okologia.mta.hu">www.bli.okologia.mta.hu</a>
	Danube Research Institute (Budapest)	<a href="http://www.dki.okologia.mta.hu">www.dki.okologia.mta.hu</a>
	Institute of Ecology and Botany (Vácrátót)	<a href="http://www.obi.okologia.mta.hu">www.obi.okologia.mta.hu</a>
5.	MTA Centre for Energy Research (Budapest)	<a href="http://www.energia.mta.hu">www.energia.mta.hu</a>
	Institute for Atomic Energy Research	<a href="http://www.energia.mta.hu/hu/content/atomenergia-kutato-intezet">www.energia.mta.hu/hu/content/atomenergia-kutato-intezet</a>
	Institute for Energy Security and Environmental Safety	<a href="http://www.energia.mta.hu/hu/content/energia-es-kornyezetbiztonsagi-intezet">www.energia.mta.hu/hu/content/energia-es-kornyezetbiztonsagi-intezet</a>
	Institute for Technical Physics and Materials Science	<a href="http://www.mfa.kfki.hu">www.mfa.kfki.hu</a>
6.	MTA Institute for Computer Science and Control (Budapest)	<a href="http://www.sztaki.mta.hu">www.sztaki.mta.hu</a>
7.	MTA Institute for Nuclear Research (Debrecen)	<a href="http://www.atomki.mta.hu">www.atomki.mta.hu</a>
8.	MTA Institute of Experimental Medicine (Budapest)	<a href="http://www.koki.hu">www.koki.hu</a>
9.	MTA Research Centre for Astronomy and Earth Sciences (Sopron, Budapest)	<a href="http://www.csfk.mta.hu">www.csfk.mta.hu</a>
	Geographical Institute of Research (Budapest)	<a href="http://www.mtafki.hu">www.mtafki.hu</a>
	Institute for Geological and Geochemical Research (Budapest)	<a href="http://www.geochem.hu">www.geochem.hu</a>
	Geodetic and Geophysical Institute (Sopron)	<a href="http://www.ggki.hu">www.ggki.hu</a>
	Konkoly Thege Miklós Astronomical Institute (Budapest)	<a href="http://www.konkoly.hu">www.konkoly.hu</a>
10.	MTA Research Centre for Natural Sciences (Budapest)	<a href="http://www.ttk.mta.hu">www.ttk.mta.hu</a>
	Institute of Materials and Environmental Chemistry	<a href="http://www.ttk.mta.hu/intezetek/anyag-es-kornyezetkemiai-intezet">www.ttk.mta.hu/intezetek/anyag-es-kornyezetkemiai-intezet</a>
	Institute of Enzymology	<a href="http://www.ttk.mta.hu/intezetek/enzimologiai-intezet">www.ttk.mta.hu/intezetek/enzimologiai-intezet</a>
	Institute of Cognitive Neuroscience and Psychology	<a href="http://www.ttk.mta.hu/intezetek/kognitiv-idegtudomanyai-es-pszichologiai-intezet">www.ttk.mta.hu/intezetek/kognitiv-idegtudomanyai-es-pszichologiai-intezet</a>
	Institute of Organic Chemistry	<a href="http://www.ttk.mta.hu/intezetek/szerves-kemiai-intezet">www.ttk.mta.hu/intezetek/szerves-kemiai-intezet</a>
11.	MTA Wigner Research Centre for Physics (Budapest)	<a href="http://wigner.mta.hu">wigner.mta.hu</a>
	Institute for Particle and Nuclear Physics	<a href="http://www.wigner.mta.hu/hu/reszecske-es-magfizikai-intezet">www.wigner.mta.hu/hu/reszecske-es-magfizikai-intezet</a>
	Research Institute for Solid State Physics and Optics	<a href="http://www.szfk.hu">www.szfk.hu</a>
12.	MTA Research Centre for Economic and Regional Studies (Pécs, Budapest)	<a href="http://www.krtk.mta.hu">www.krtk.mta.hu</a>
	Institute of Economics (Budapest)	<a href="http://www.mtakti.hu">www.mtakti.hu</a>
	Institute for Regional Studies (Pécs)	<a href="http://www.rkk.hu">www.rkk.hu</a>
	Institute of World Economics (Budapest)	<a href="http://www.vki.hu">www.vki.hu</a>
13.	MTA Research Centre for The Humanities (Budapest)	<a href="http://www.btk.mta.hu">www.btk.mta.hu</a>
	Institute of Philosophy	<a href="http://www.fi.btk.mta.hu">www.fi.btk.mta.hu</a>
	Institute for Literary Studies	<a href="http://www.iti.btk.mta.hu">www.iti.btk.mta.hu</a>
	Institute of Art History	<a href="http://www.mi.btk.mta.hu">www.mi.btk.mta.hu</a>
	Institute of Ethnology	<a href="http://www.nti.btk.mta.hu">www.nti.btk.mta.hu</a>
	Institute of Archaeology	<a href="http://www.ri.btk.mta.hu">www.ri.btk.mta.hu</a>
	Institute of History	<a href="http://www.tti.btk.mta.hu">www.tti.btk.mta.hu</a>
	Institute of Musicology	<a href="http://www.zti.hu">www.zti.hu</a>
14.	MTA Centre for Social Sciences (Budapest)	<a href="http://www.tk.mta.hu">www.tk.mta.hu</a>
	Institute for Legal Studies	<a href="http://www.jog.tk.mta.hu">www.jog.tk.mta.hu</a>
	Institute for Minority Studies	<a href="http://www.kisebbssegkutato.tk.mta.hu">www.kisebbssegkutato.tk.mta.hu</a>
	Institute for Political Science	<a href="http://www.politologia.tk.mta.hu">www.politologia.tk.mta.hu</a>
	Institute for Sociology	<a href="http://www.szociologia.tk.mta.hu">www.szociologia.tk.mta.hu</a>