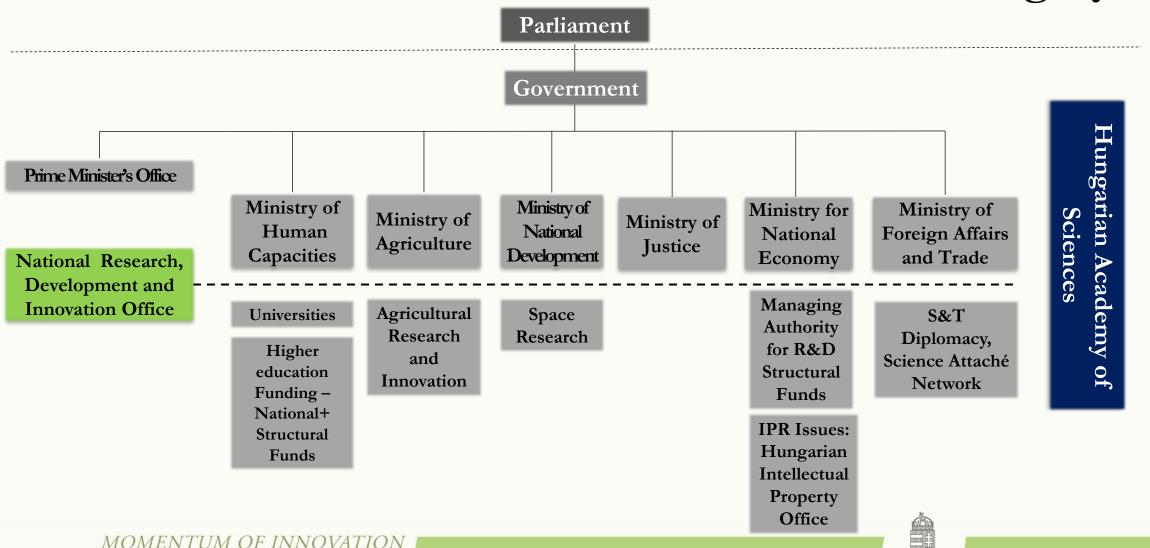
TOWARDS A MORE INTENSE COOPERATION BETWEEN EXCELLENT HUNGARIAN AND NORWEGIAN RESEARCH TEAMS

József Pálinkás President

National Research, Development and Innovation Office of Hungary



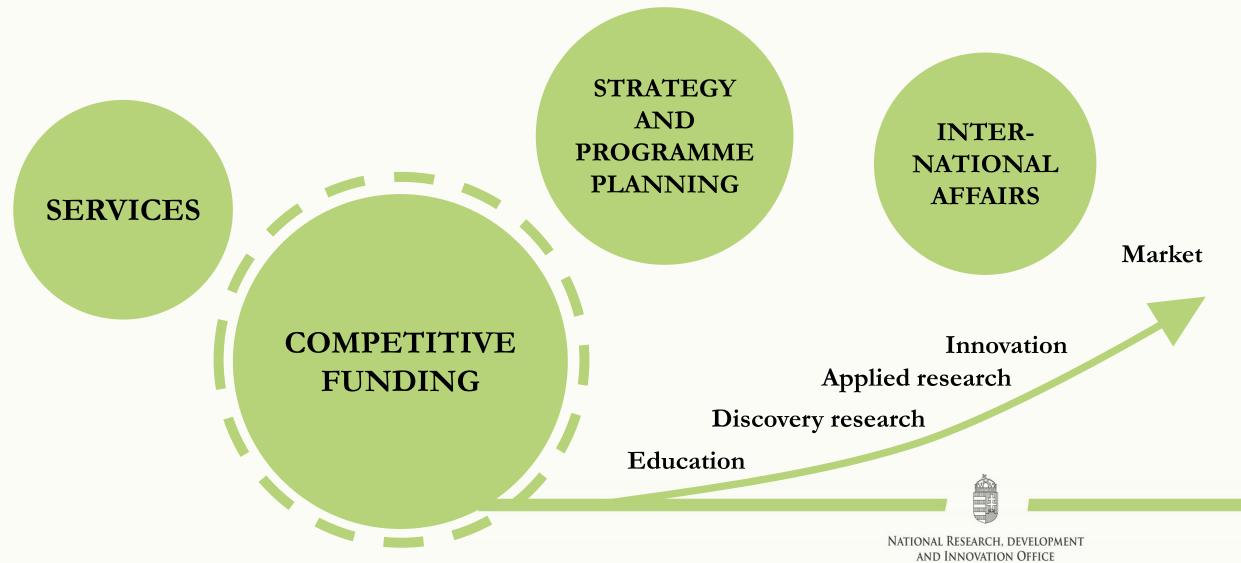
Governmental Structure of RDI in Hungary

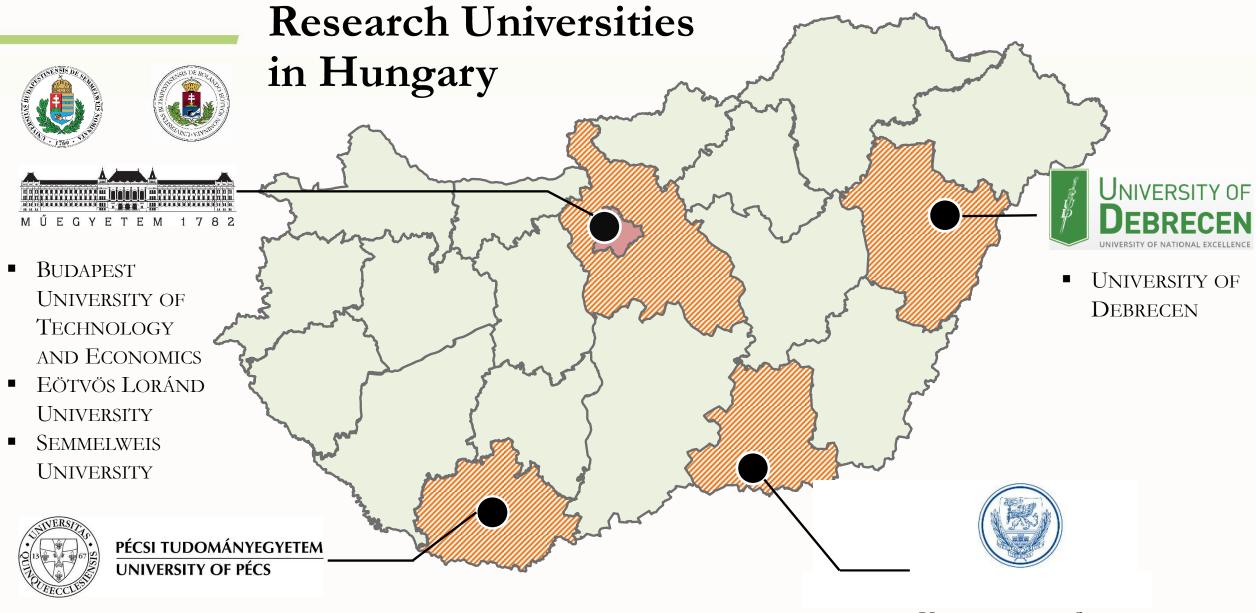


NATIONAL RESEARCH, DEVELOPMENT AND INNOVATION OFFICE HUNGARY

National Research, Development and Innovation Office the central governmental entity for RDI in Hungary

HUNGARY

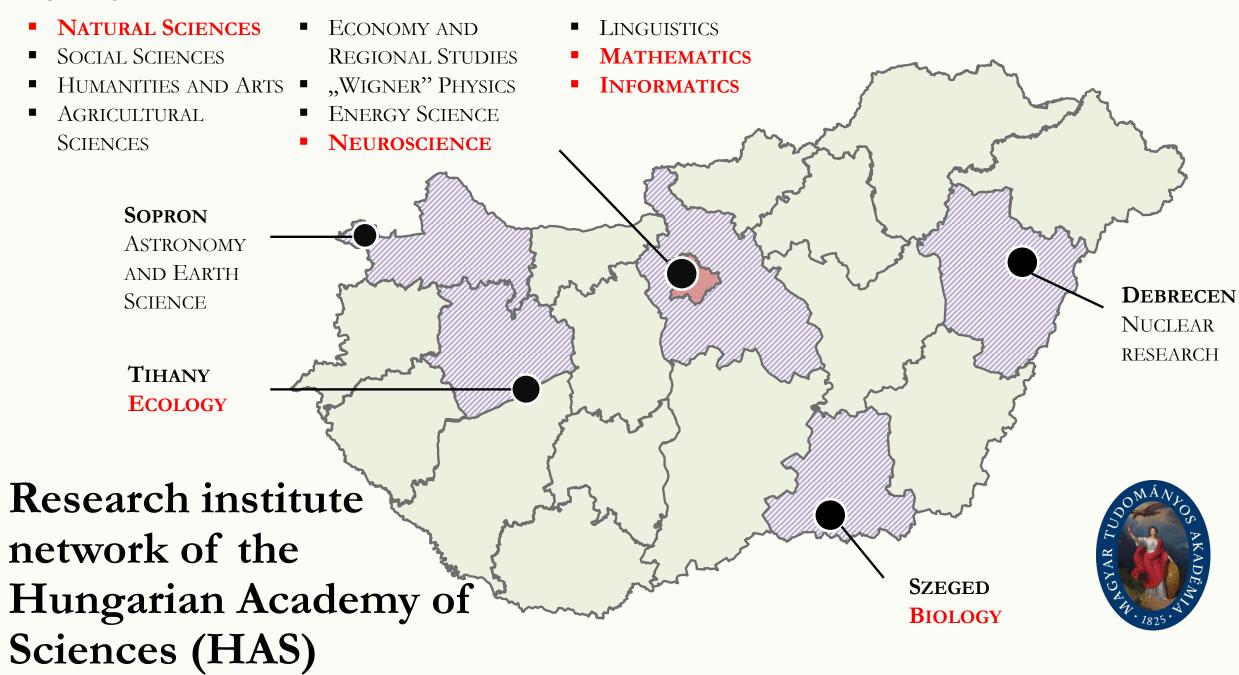




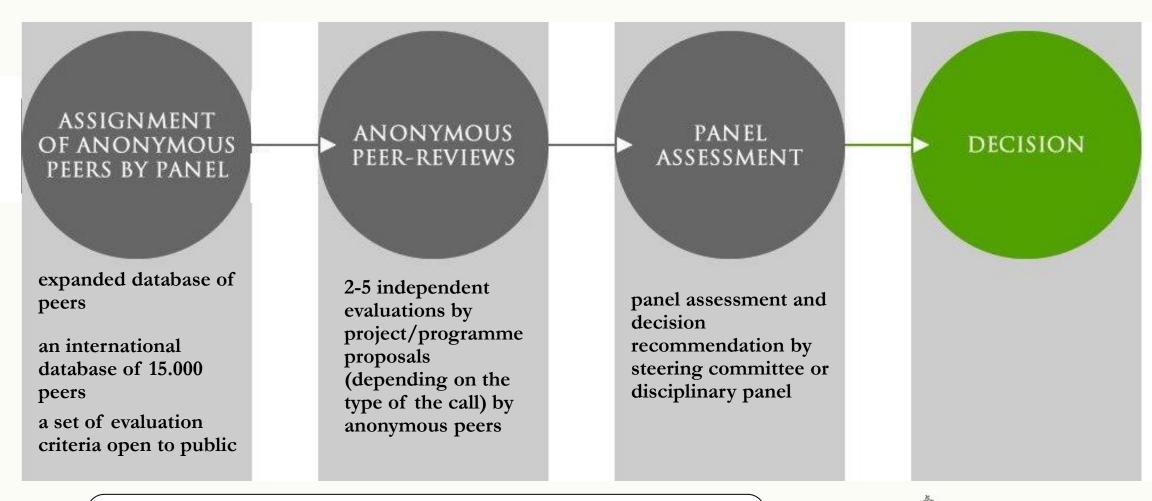
University of Pécs

University of Szeged

BUDAPEST

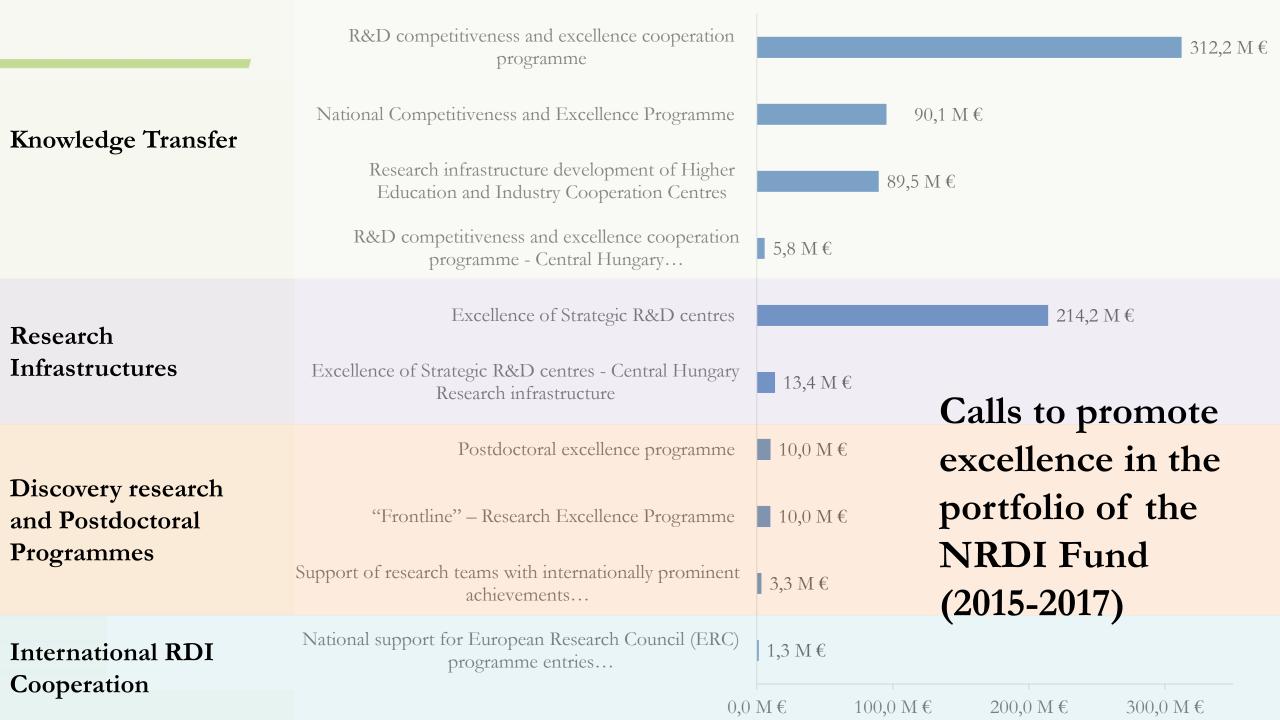


Evaluation system of RDI projects



COMPREHENSIVE, MULTI-STAGE EVALUATION PROCESS
TRANSPARENT ASSESSMENT PROCEDURES AND CLEAR SET OF
CRITERIA





NRDI Office to support scientific excellence in exploratory research

	ERC	KKP_17	KH_17
EXCELLENCE PROGRAMMES PROMOTING THE INTERNATIONAL COMPETITIVENESS OF DISCOVERY RESEARCH	Funding programmes promoting access to European Research Council (ERC) programmes	"Frontline" Research Excellence Programme	Funding of research groups whose outstanding achievements have a significant international impact on scientific forums with major visibility
	BUDGET: HUF 0.45 BN	BUDGET: HUF 3 BN	BUDGET: HUF 1 BN

RESEARCHERS' THEMATIC APPLICATIONS PROGRAMMES, POSTDOCTORAL PROGRAMMES PROMOTING	PD_17	FK_17	K_17	NN, ANN, SNN 17
	Postdoctoral excellence programme	Calls for thematic applications initiated by young researchers	Calls for thematic applications initiated by researchers	Calls for thematic applications based on international cooperation
DISCOVERY RESEARCH	BUDGET: Huf 1.5 Bn	BUDGET: HUF 3 BN	BUDGET: HUF 6.5 BN	BUDGET: HUF 6.5 BN

Frontline research excellence programme (KKP_17)

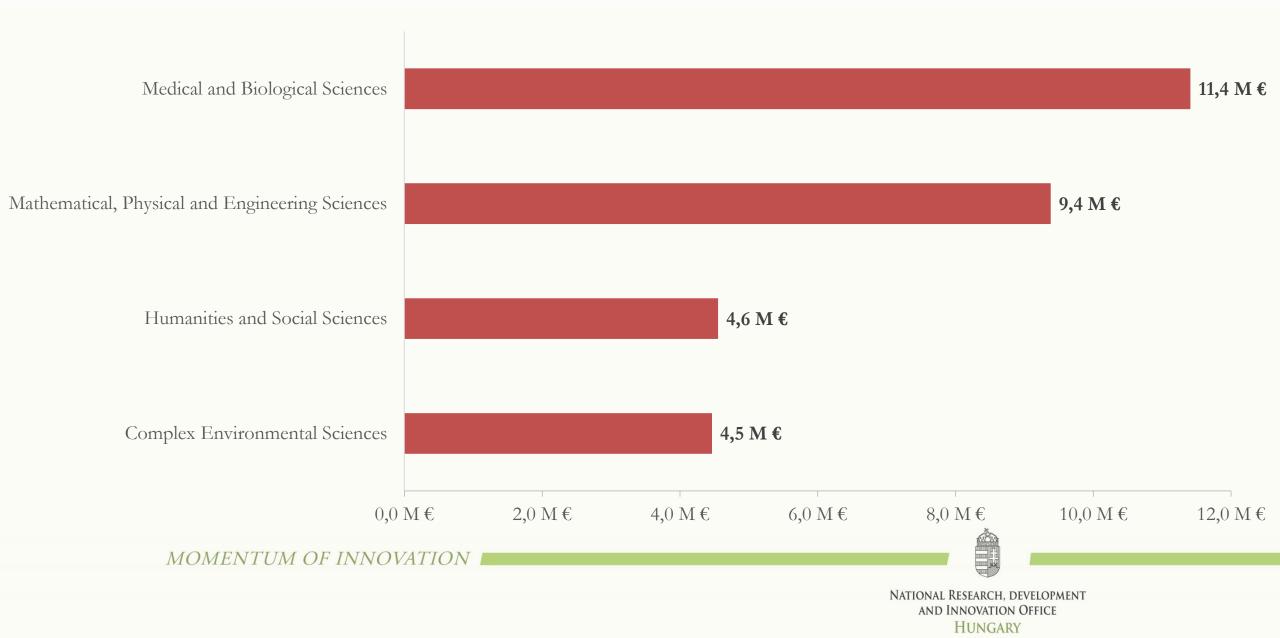
support to world-class researchers in their most dynamic and creative career phases pioneering their field of science in the forefront of international scientific research

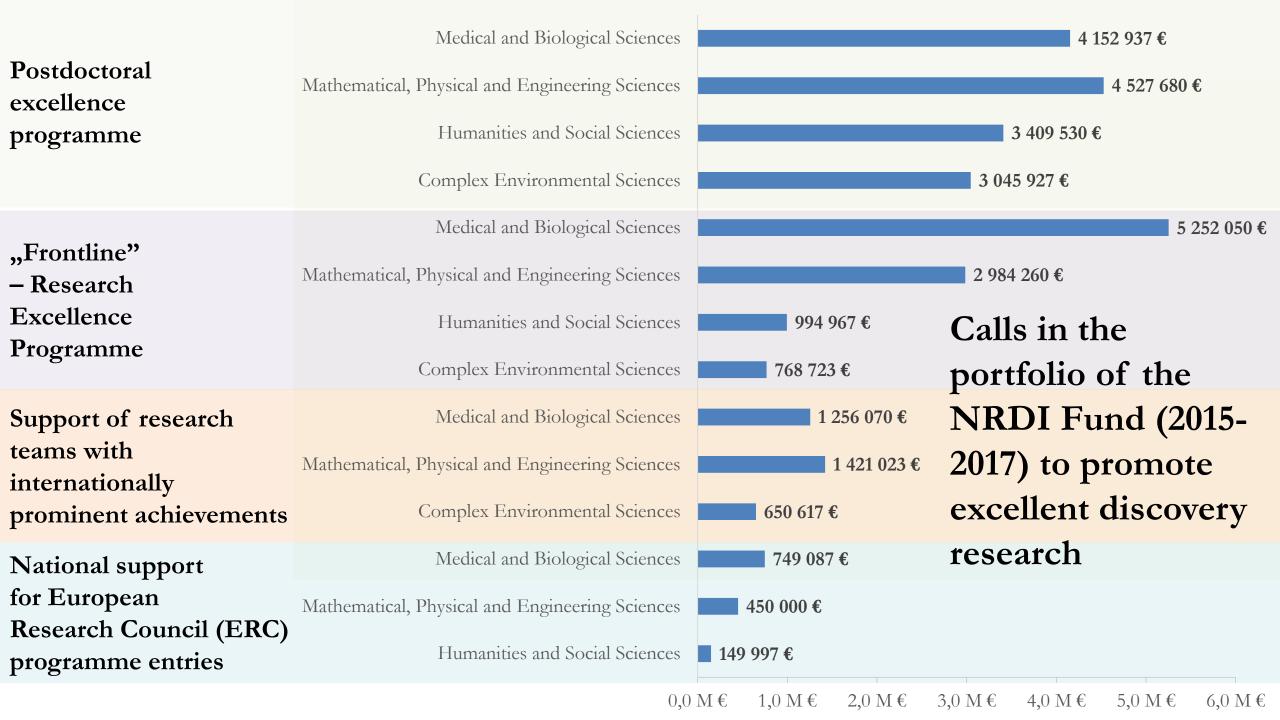
funding of nearly EUR 1 million per winning applicants for a period of five years

open to basic research projects without thematic restrictions



Areas of discovery research funding in Hungary (2015-2017)



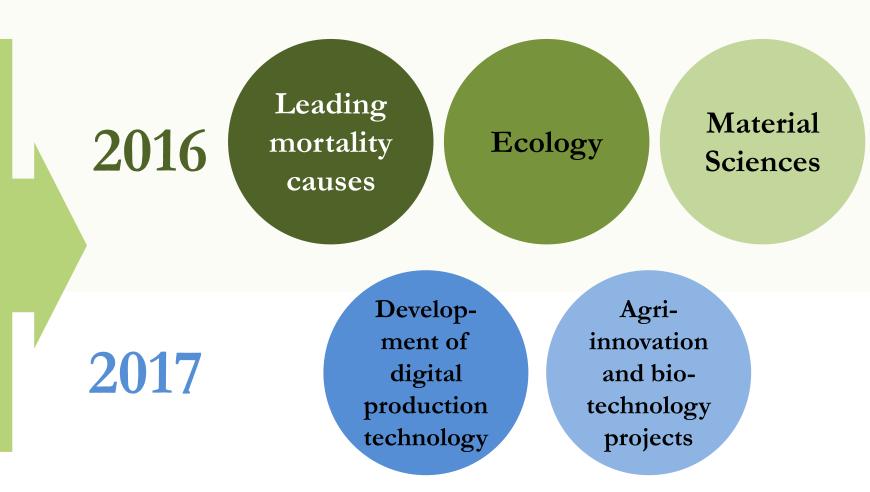


Applied research programmes supporting scientific excellence

Competitiveness and excellence cooperation programmes

funded by both Structural Funds and NRDI Fund.

The call is aimed at encouraging long-term sustainable strategic cooperation between businesses, research centres and higher education institutions resulting in marketable scientific results offering a solution for economic and social problems. In the programme funded by the NRDI Fund, the topics are restricted to the following areas:



Applied research programmes supporting scientific excellence

National Excellence Programme (NKP) – funded by NRDI Fund

Aim: Facilitating the social and economic utilisation of discovery research findings by defining strategic areas where Hungary has the sufficient level of scientific excellence for the implementation, so that such goals can be reached faster and more efficiently in cooperation with scientific, industrial and social stakeholders.

National
Brain
Research
Programme

National Quantum Technology Programme

2017

Research related to ELI

Artificial Intelligence

Security

Water efficiency, water safety

Protein research

Applied research programmes supporting scientific excellence

<u>Higher Education and Industry Cooperation Centres (FIEK)</u> – funded by both Structural Funds and NRDI Fund.

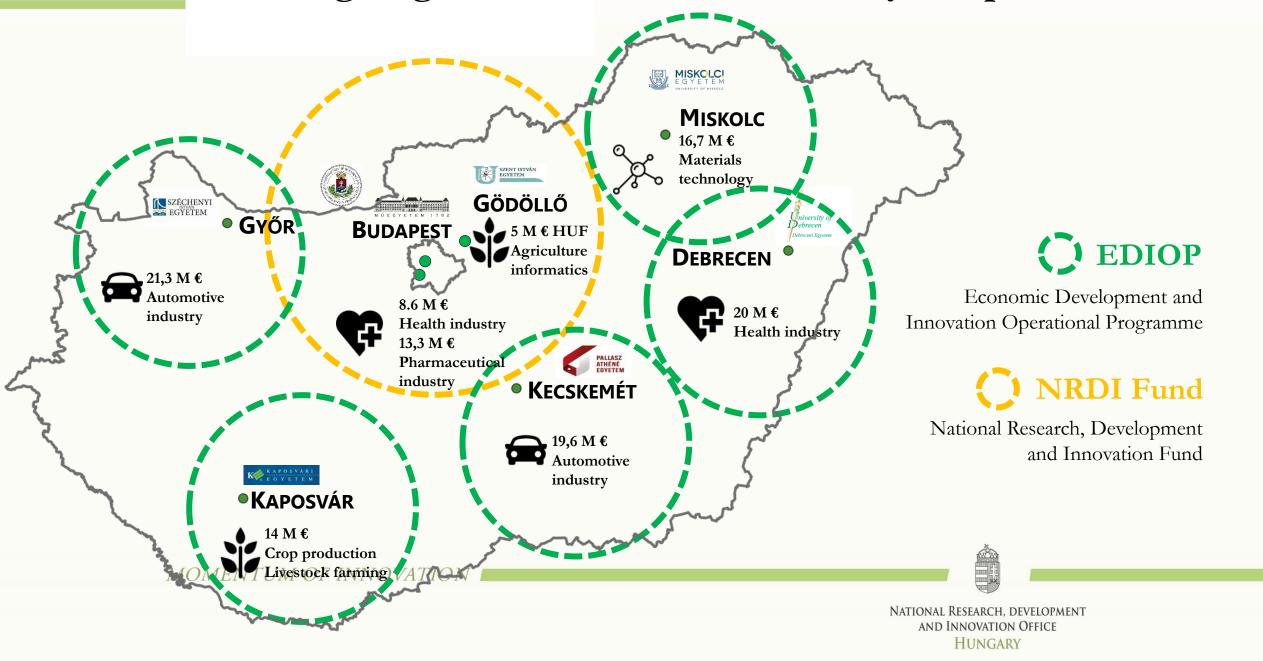
The funding programme enables the creation of centres based on corporate RDI demand and using the research and development capacity of universities.

Establish the research infrastructure for industrial development projects based on actual market needs, in cooperation with excellent research institutions in the specific field;

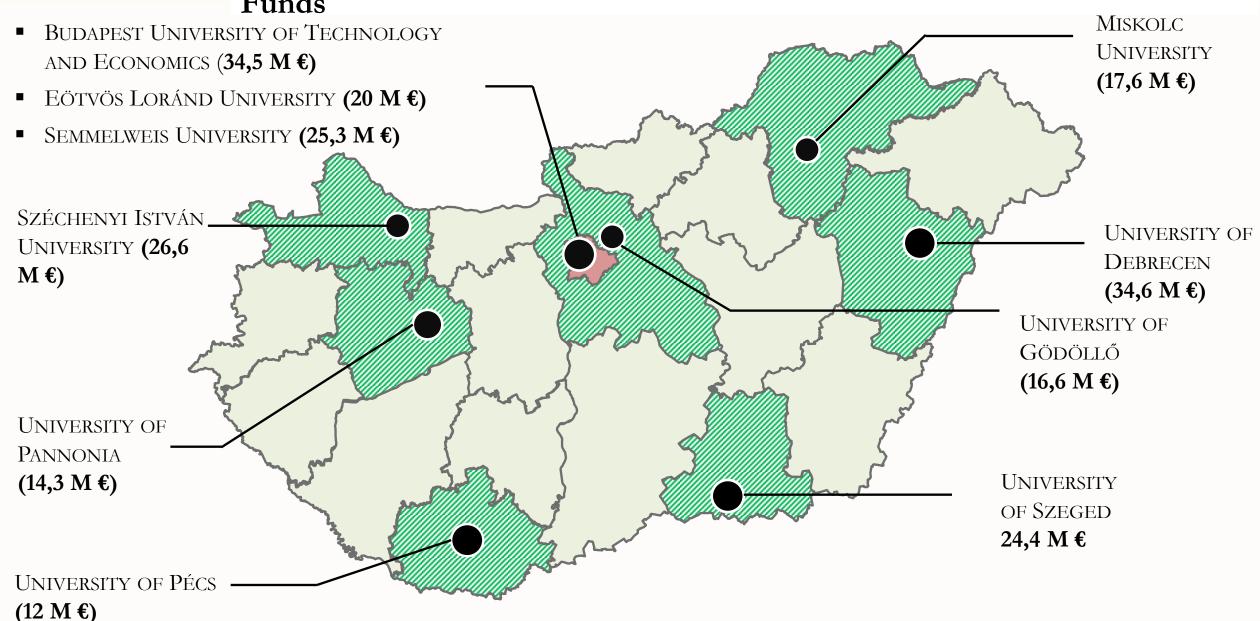
Develop domestic research infrastructure in the form of cooperation between the industrial and higher education sectors, where the created RDI capacity generates new competitive products and service.

In 2016, EUR 88 million was earmarked for creating new R&D centres in Győr, Kaposvár, Miskolc, Kecskemét and Debrecen, and three consortia in Central Hungary with a total amount EUR 26 million.

Creating Higher Education and Industry Cooperation Centres

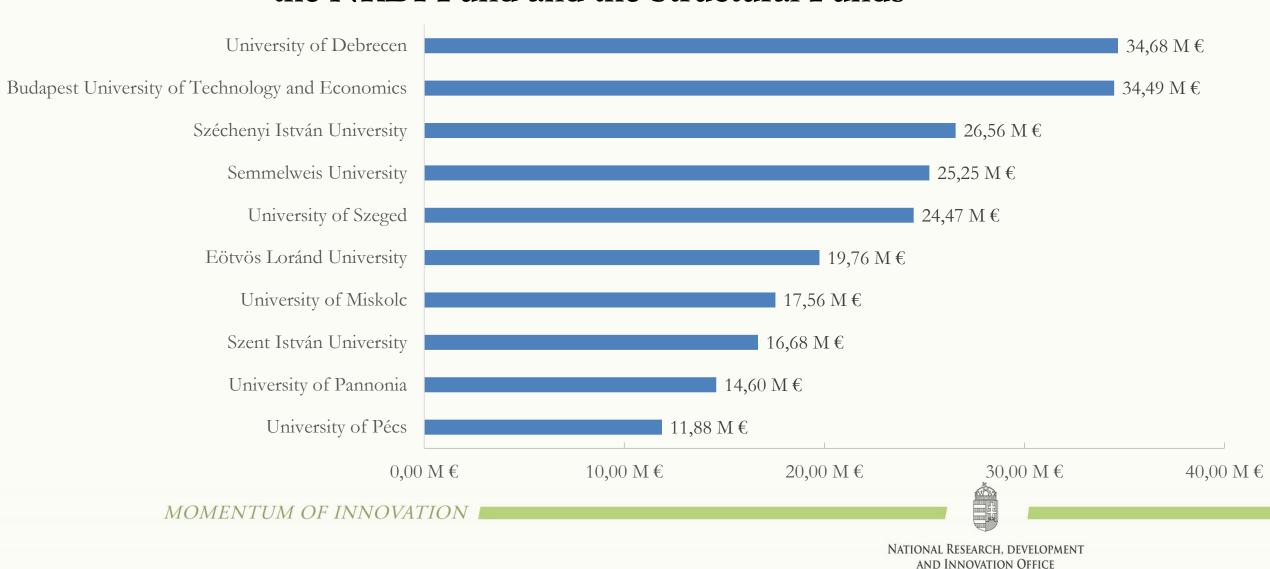


Most successful universities in 2015-2017 in knowledge transfer calls supporting excellence funded by the NRDI Fund and the Structural Funds



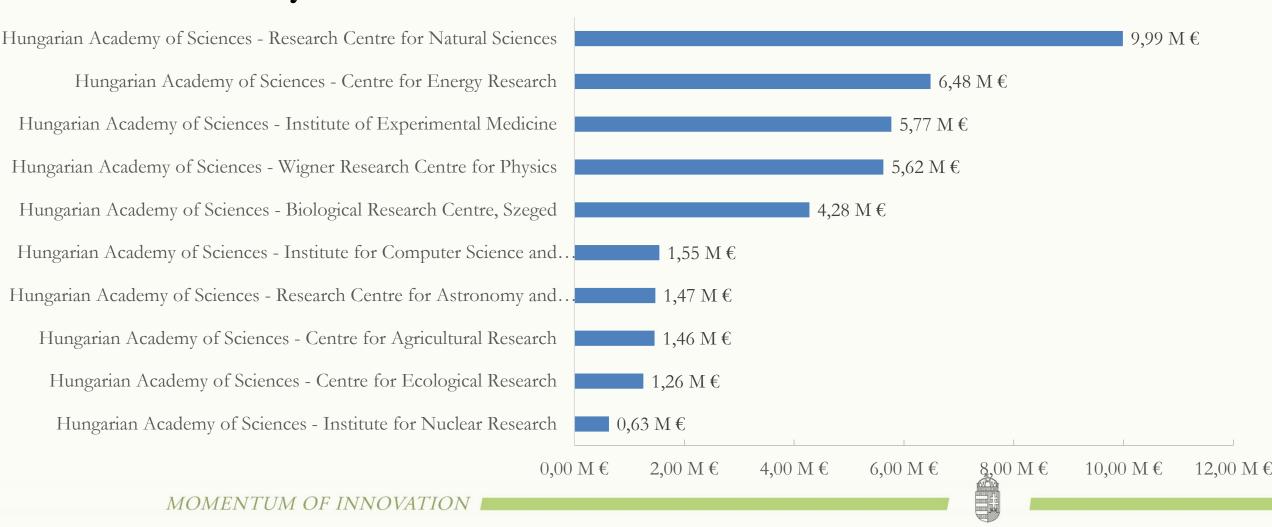
Most successful universitites in the past 3 years in the knowledge transfer calls supporting excellence funded by the NRDI Fund and the Structural Funds

HUNGARY



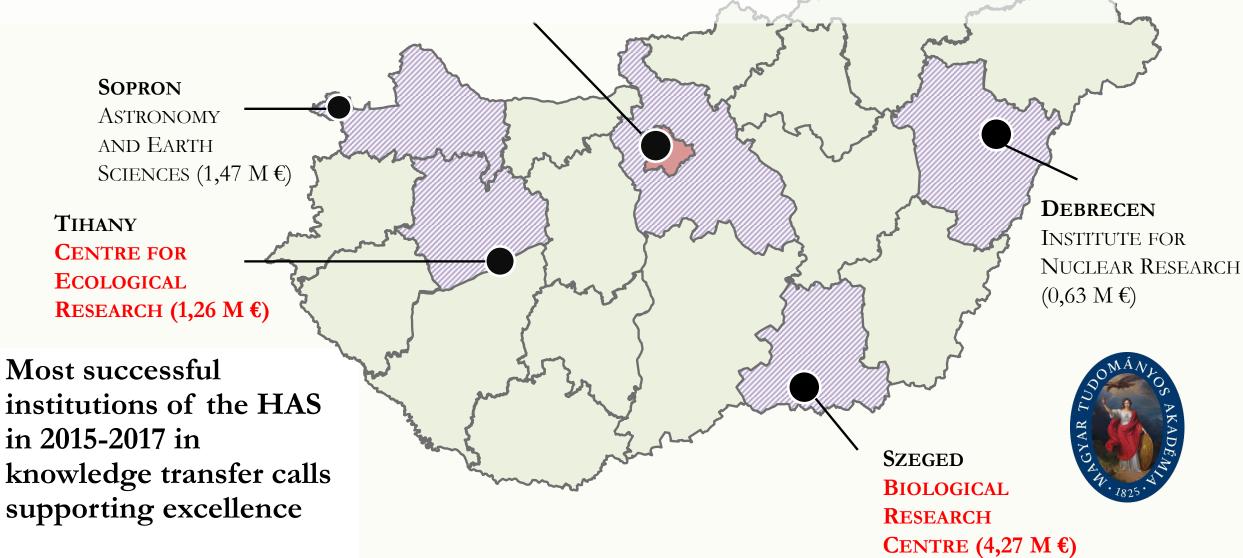
Most successful HAS research institutions in the past 3 years in the knowledge transfer calls supporting excellence funded by the NRDI Fund and the Structural Funds

NATIONAL RESEARCH, DEVELOPMENT AND INNOVATION OFFICE HUNGARY

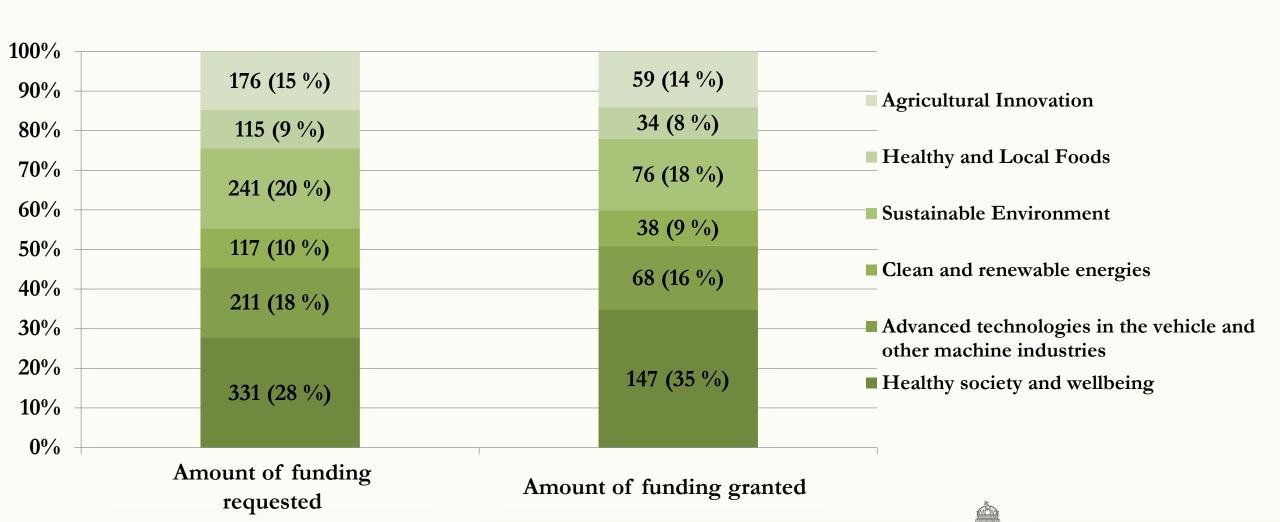


BUDAPEST

- RESEARCH CENTRE FOR
 NATURAL SCIENCES (9.99 M €)
- CENTRE FOR ENERGY RESEARCH (6.48 M €)
- Institute of Experimental Medicine (5,77 M €)
 - "WIGNER" RESEARCH CENTRE FOR PHYSICS (5,625 M €)
- Institute for Computer
 Science and Control (1,55 M €)
- CENTRE FOR AGRICULTURAL RESEARCH (1,46 M €)



Submitted proposals according to S3 categories between 2015-2017





Two funded Hungarian research initiatives among 10 European Teaming proposals



Production Informatics and Control

Full budget: €21,7 million

The main goal of the Centre of Excellence Cyber-Physical on Production Systems is to boost the innovation process, to create industry-relevant results, to train the next generation of highly skilled experts and to ensure the background for a sustainable and competitive production ecosystem for various industry sectors in Hungary and in Europe

Members of the consortium:

- Budapest University of Technology
- Hungarian
 Academy of
 Sciences
- Fraunhofer institutions



The goal of the project is to set up the Hungarian Centre of Excellence for Molecular Medicine placing strong emphasis on translational medicine and promoting the clinical application of basic research results.

Full budget: €52, million

Members of the consortium:

- University of Szeged
- Hungarian Academy of Sciences
- University of Debrecen
- Semmelweis University
- European Molecular Biology Laboratory

ELI- ALPS project







ELI will be

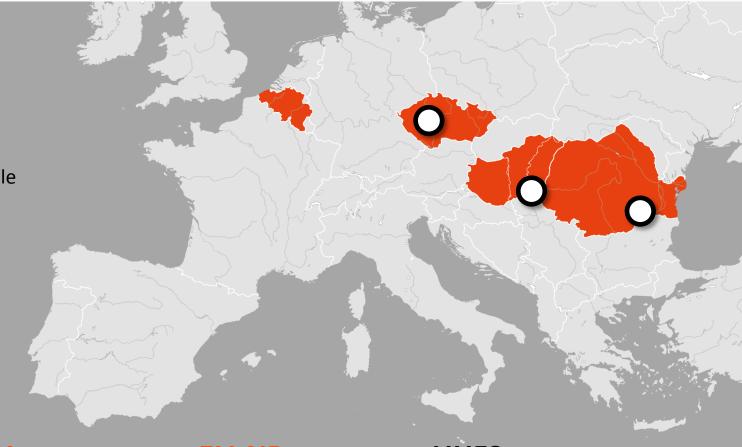
- the world's first international laser user facility, providing unique research opportunities for the future "The CERN of laser research"
- ➤ a distributed research infrastructure based initially on 3 facilities in the Czech Republic, Hungary and Romania
- the first ESFRI project to be implemented in the new EU Member States
- pioneering a novel fuding model combining structural funds (ERDF) for the implementation and contributions to an ERIC for the operation



ELI- ALPS project

ELI-DC Brussels

The consortium that is responsible for the coordination of the three research centres during implementation



ELI-ALPS Szeged

Hungary

high repetition rate

ELI-BL Dolny Brezany **Czech Republic**

ultrashort laser pulses at ultrashort x-ray generation, particle acceleration

ELI-NP Magurele

Romania ultra-intense optical and gamma ray pulses

UHFS

Ultra-High-Field Science unprecedented laser field strength (location: to be decided later)

THANK YOU FOR YOUR ATTENTION!

www.nkfih.gov.hu/english



Felfedező kutatások – top támogatottak

