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WHAT



heinnovate

OFFERS?

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# WHAT IS HEINNOVATE?



A self-assessment tool for higher education institutions who wish to explore their entrepreneurial/innovate potential.

The simple purpose of helping higher education institutions identify their current situation and potential areas for action.



Eight board areas, under which are statements for self-assessment:

- Leadership and Governance
- Organisational Capacity: Funding, People and Incentives
- Entrepreneurial Teaching and Learning
- Preparing and Supporting Entrepreneurs
- Digital Transformation and Capability
- Knowledge Exchange and Collaboration
- The Internationalised Institution
- Measuring Impact



# WHO IS HEINNOVATE FOR?

**Open to all HEIs**  
(Universities, University  
Colleges, Polytechnics,  
etc.)

Free of charge

Available in all EU  
languages

Intentionally open and  
**flexible** so you can  
choose how to organise  
and use the results

**No ranking**

**No  
benchmarking**

You can explore  
HEInnovate at :  
<https://heinnovate.eu>



# WHAT IS AN ENTREPRENEURIAL AND INNOVATIVE HEI?

Higher education institutions are changing:

- New funding models
- Focus on employability, entrepreneurship and the student as consumer
- Internationalisation / globalisation
- New modes of engagement with stakeholders and local/regional environments
- Pressure of measuring impact
- Contributions to economic growth
- Pressure on academic careers

Being or becoming an entrepreneurial / innovative higher education institution is a response to these challenges



## WHAT DOES IT DO?

Allows individuals to **assess** their **HEIs** in a **systematic way**

Diagnoses areas of strengths and weaknesses across eight areas, **42 different statements**


Opens up **discussion and debate** associated with the entrepreneurial / innovative nature of your institution

Compares and contrasts **evolution over time**


Provides **access** to high quality **learning materials**




# HOW IS IT USED?



Register online at  
<https://heinnovate.eu>  
or explore it as a guest  
user



**Individually** -  
any individual can  
create a personal  
account and  
complete the self-  
assessment



As part of  
a group:

- Anyone can set up a group on HEInnovate and invite others (colleagues, external partners, students, etc.) to complete the self-assessment as part of the group
- The group function allows contrasting and comparing the views of the groups members, and helps create a basis for structured dialogue



# HEINNOVATE IN HUNGARY - HISTORICAL SUMMARY

HEInnovate concept  
was launched in 2015  
in Hungary

Countrywide  
research ended in  
November of 2016

In 2017 November,  
the HEInnovate  
country report with  
recommendations  
summarizing the  
results of the  
research was  
published

In parallel with the publication  
of the HEInnovate country  
report, the first version of a 3M  
Action Plan was also drafted,  
with actions and practices  
around the following areas of  
intervention:

- Strengthening institutional capacities;
- Community building, knowledge sharing; and
- Entrepreneurial agenda.



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# “Supporting Entrepreneurship and Innovation in Higher Education in Hungary”





## OBJECTIVES OF THE HEINNOVATE REVIEWS

Assist policy makers, HEI leaders and staff to identify and act upon opportunities, enablers and challenges to support the development of entrepreneurial & innovative HEIs

Identify and analyse good practices in public policies and HEI actions

Disseminate learnings and promote transnational collaboration



# REVIEW METHODOLOGY

**Collaborative effort with the Ministry of Human Capacities and the Tempus Public Foundation**

**Review steering group (Rectors' Conference, Ministry of National Economy)**

**HEI Leader Survey Jun – Nov 2016 (response rate for Universities: 54%, response rate for other HEIs: 52%)**

**Study visits to six HEIs (Feb – Mar 2016)**

**Wide consultation on review findings and recommendations (HEInnovate event for all HEIs on 29 November 2016)**



# KEY REVIEW FINDINGS

Increased attention on engagement/third mission triggered incremental change process in the HEIs organisational culture

Important driver at HEI level was the need to generate additional sources of income to compensate for decreasing public funding → narrow understanding of engagement/third mission with emphasis on commercialisation

Current administrative and academic HEI structures, core institutional funding and allocation of staff time are oriented on dual mission model

HEIs do not systematically monitor and evaluate their engagement/third mission activities; basic set of metrics

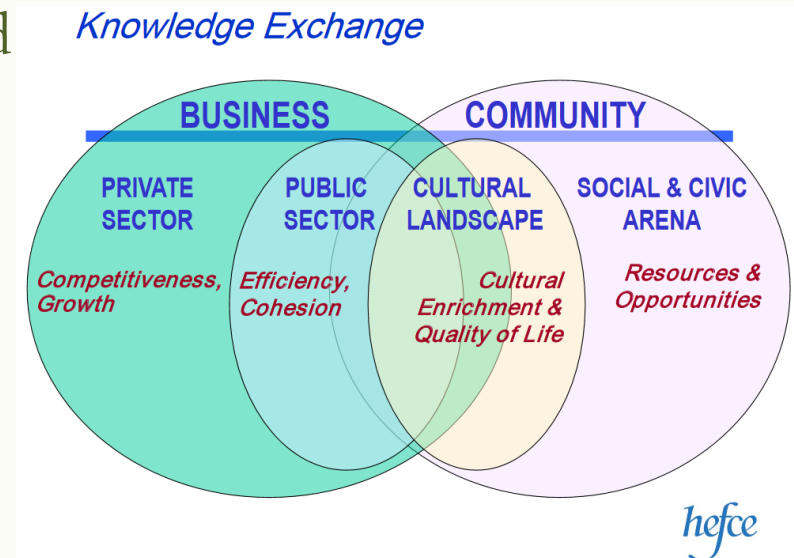
High level of autonomy of faculties/departments promoted “islands” where it is easier to promote E&I than in the rest of the HEI

Approaches to teaching are broadening, despite overall focus on traditional/frontal instruction  
Key drivers: gradual inclusion of entrepreneurship competence into defined learning outcomes, extra-curricular learning opportunities, dual Bachelor programmes



## KEY RECOMMENDATIONS FOR PUBLIC POLICY ACTION

- Develop a common definition of engagement/third mission in HEIs.
- Stimulate collaboration between HEIs in strategic areas.
- Strengthen the support infrastructure for venture creation in and around HEIs.
- Introduce viable funding mechanisms.
- Facilitate the establishment of consultative and collaborative fora at the local/regional level to enhance the impact of entrepreneurship, innovation, and engagement/third mission
- Build a common information and data framework for the impact of entrepreneurship, innovation, and engagement/third mission



Source: Alice Frost, Head of Knowledge Exchange Policy



# KEY RECOMMENDATIONS FOR HIGHER EDUCATION INSTITUTIONS

**Develop a common understanding of the third mission and the entrepreneurial agenda specific to the HEI's profile and expectations.**

**Appoint a senior manager with responsibility for entrepreneurship, innovation and the third mission.**

**Introduce viable resource allocation mechanisms to support entrepreneurship, innovation and the third mission, including incentives, an innovation fund and horizontal support services.**

**Introduce professional development and mobility programmes for staff related to entrepreneurship, innovation and the third mission.**

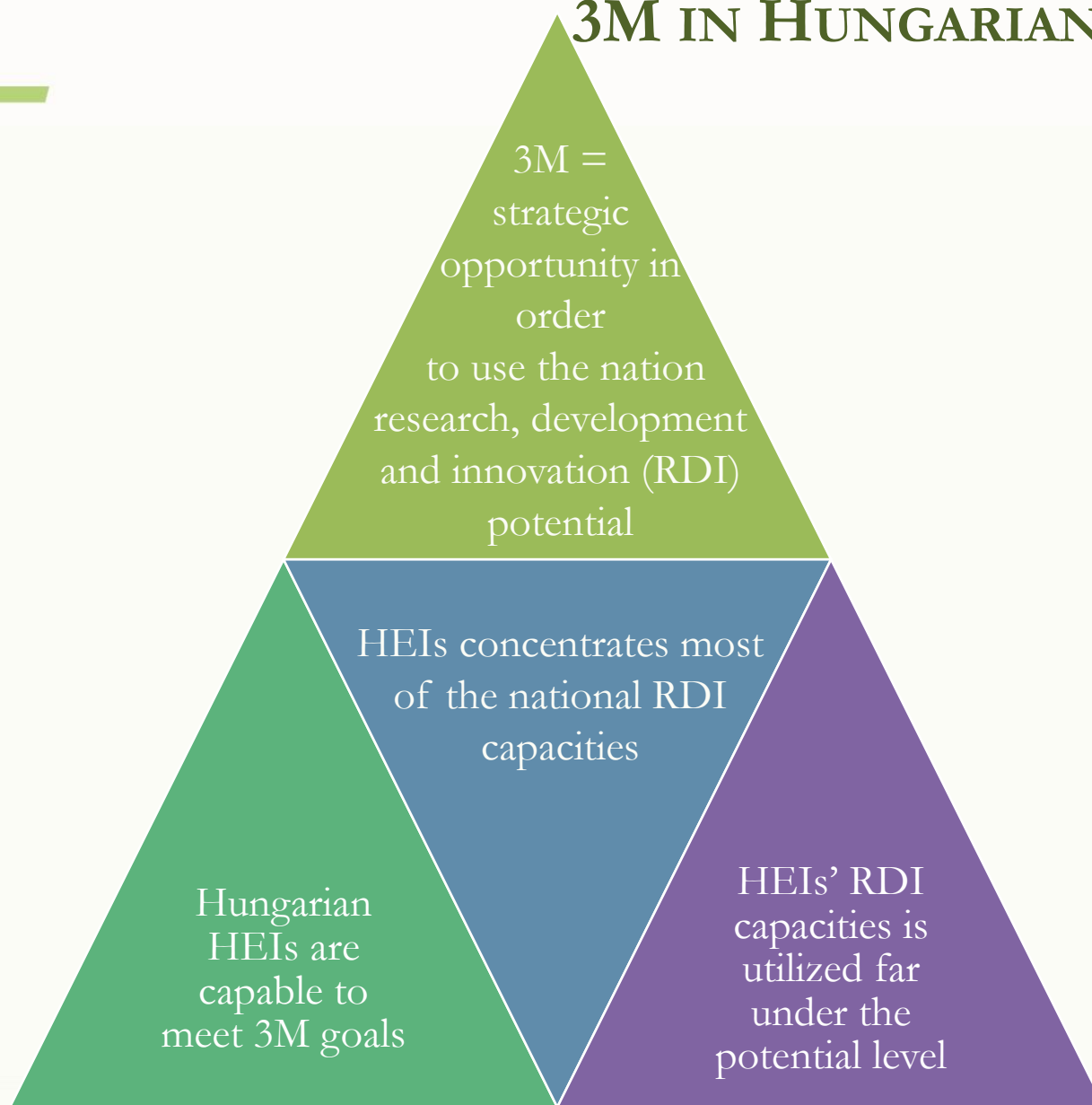
**Enhance the involvement of students and young researchers in entrepreneurship, innovation and the third mission.**

**Provide basic support for new venture creation, well-embedded in the wider start-up ecosystem.**

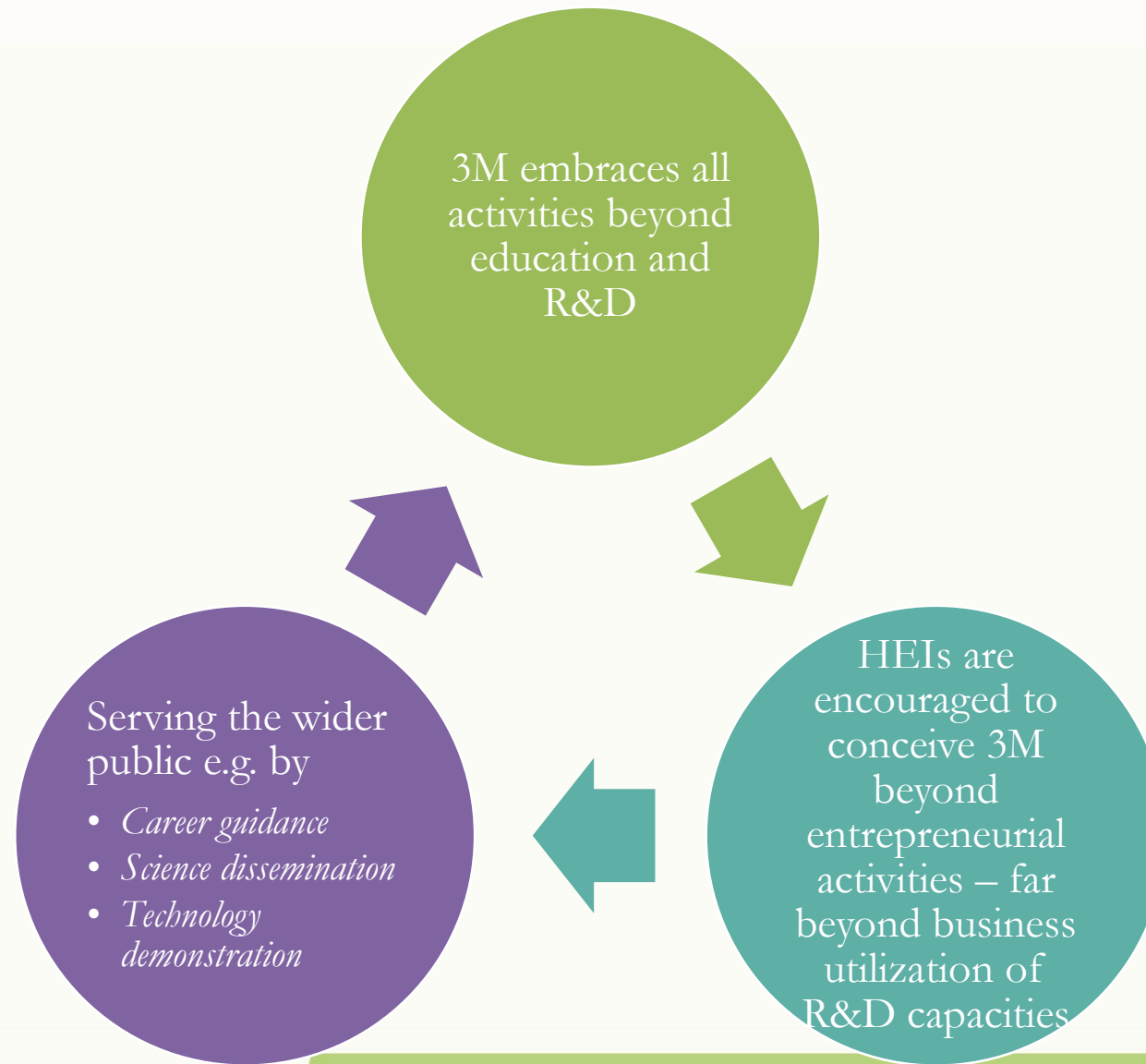
**Build capacity at institutional and individual levels to understand, document and measure impact.**



# 3M IN HUNGARIAN HEIS



# DEFINING 3M IN HUNGARY



# FIELDS OF 3M IN HUNGARY

Incorporating students and staff into scientific research and business utilization – ÚNKP (New National Excellence Program for students and young researchers)



Providing forums for a bustling cultural life



Promoting social solidarity and social 'grand challenges'



Facilitating economic improvement

- *by education*
- *by creating knowledge*
- *by supporting the local innovation economy*
- *by providing RDI services for the local economy*





## 3M – AN ENTREPRENEURIAL FOCUS

A clear policy goal in the higher education is to encourage HEI-corporate cooperations in order to make HEIs able to reach out R&D and provide solutions for the corporate sector

From 2018 onward a granting programme for enhancing research, development and innovation in Higher Education Institutions (Excellence of HEIs) is in practice

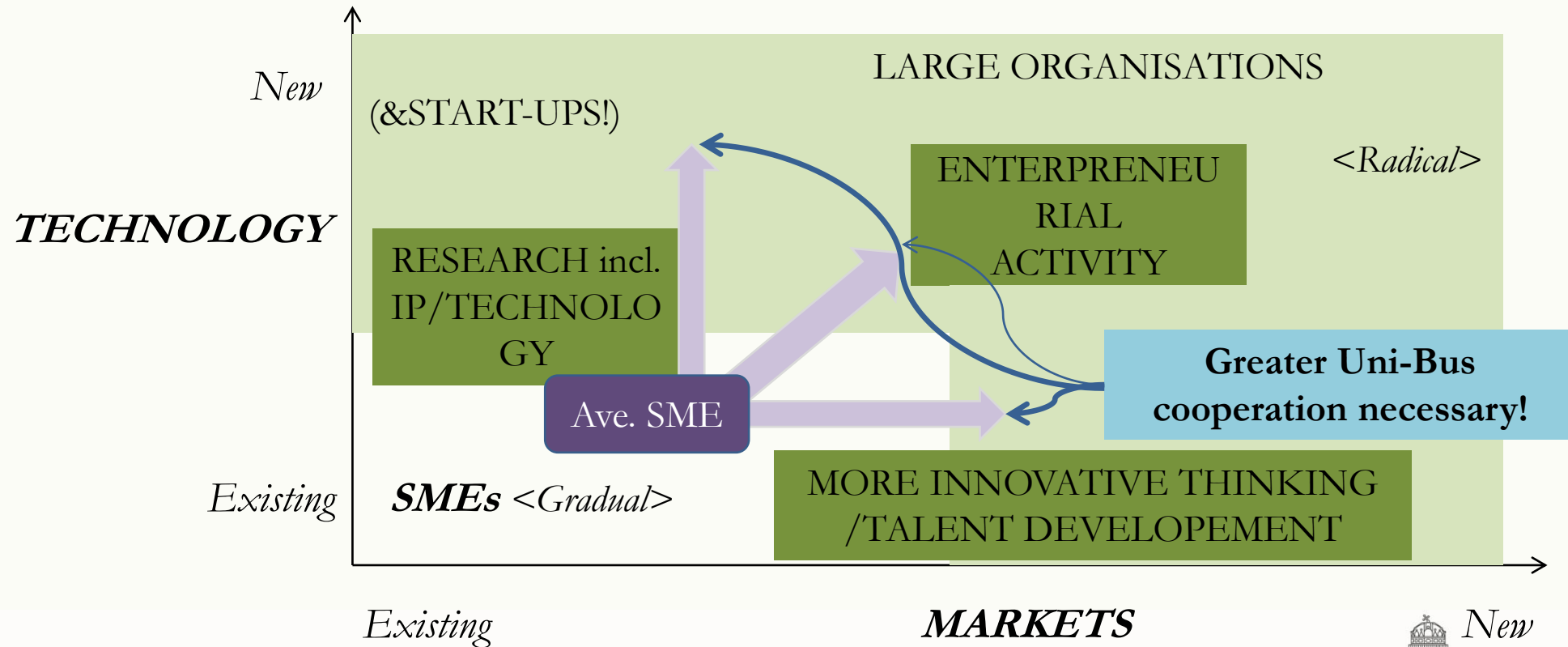
Open-ended scheme, available to apply for in every year

**enhancing research, development and innovation in higher education institutions by supporting excellent researchers fostering multi- and inter-disciplinary research programmes**

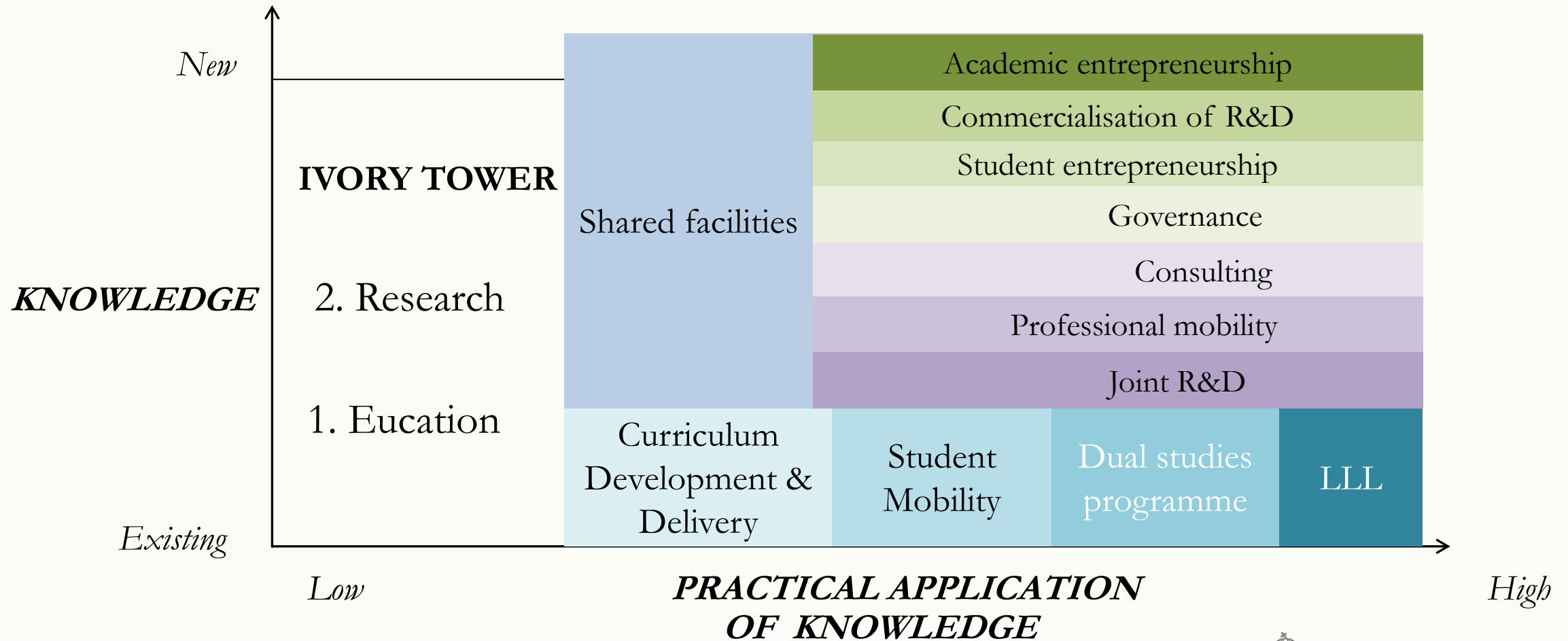


# WHY UNIVERSITY-BUSINESS CO-OPERATION IS NEEDED ?

...university-business cooperation crucial for the *(SME) INNOVATION DEVELOPMENT*



# UNIVERSITIES COOPERATION FOR "THIRD GENERATION UNIVERSITY"



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# Support Scenes for the higher education



# INSTITUTIONAL EXCELLENCE PROGRAM FOR HIGHER EDUCATION

## Featured Support of University Research started in 2018:

- Grants financed from national budget (15 billion HUF/year)
- 13 supported higher education institutes

## New approach

- **Interdisciplinarity:**  
Collaborative research of different science units is required
- **Market-oriented** research, aiming to meet real challenges:  
Increased emphasis on **integrated innovation** and application of the results
- Evaluation of the program every 2nd year



# THEMATIC EXCELLENCE PROGRAMME

Within the framework of the program, institutions are requested to define and prioritize thematic areas

Thematic areas are research fields (even cross-disciplinary) that build on the professional excellence of institutions

One or more research teams will work in the thematic areas to achieve predefined research goals, in collaboration with further stakeholders of the RDI system



# EXPECTED RESULTS OF THE THEMATIC EXCELLENCE PROGRAM

Increasing the openness of research activities

Promoting cooperation between RDI actors

Increasing the number of initiatives aimed at the social, economic and environmental exploitation of research results

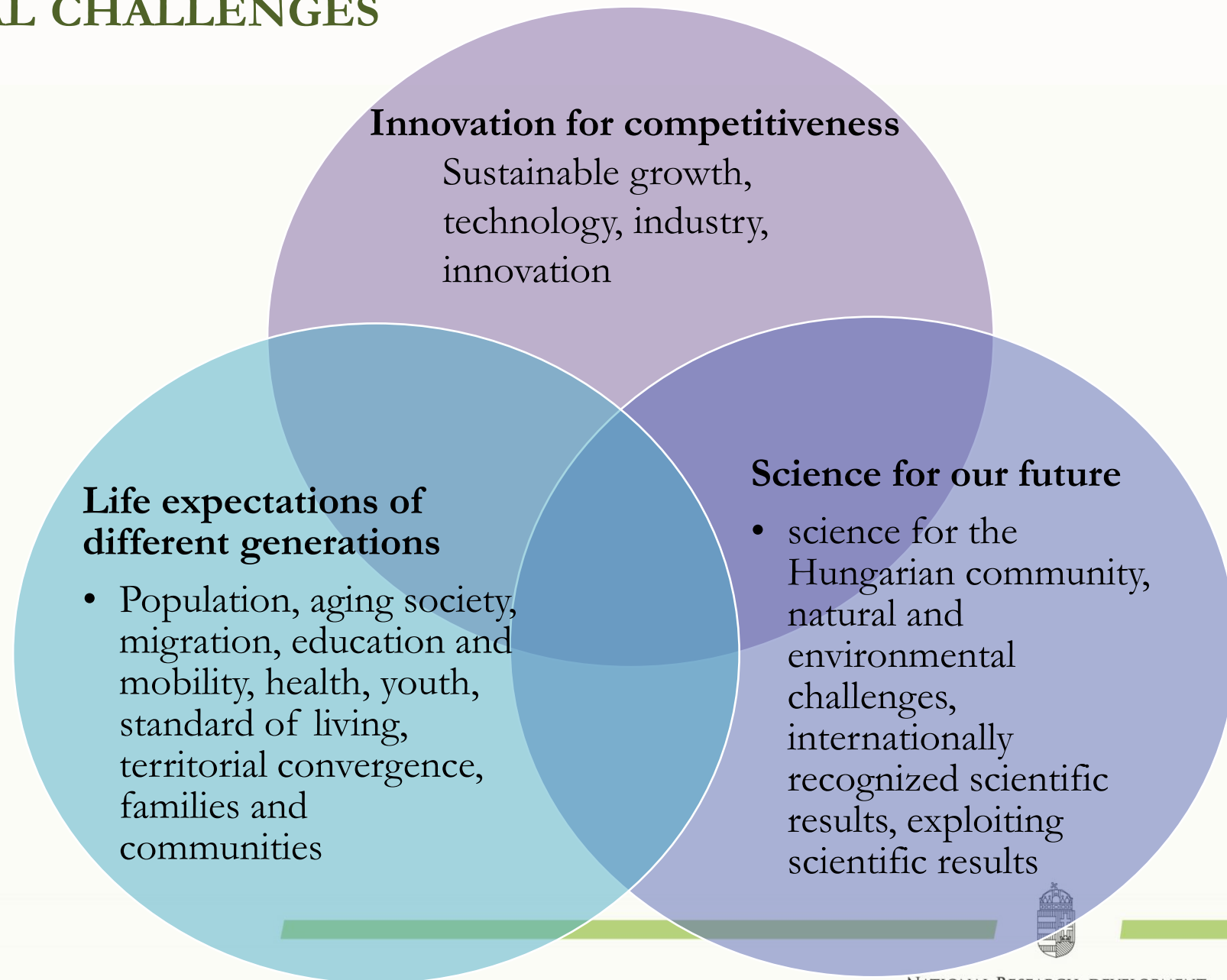
Optimal use of research capacities (to avoid duplication of capacities, missing areas and unused capacities)

Enhancing embedding in the international research community, especially Horizon Europe 2021-2027

Creating conditions for a predictable, competitive, attractive research career in the institutions



# SOCIAL CHALLENGES





# THEMATIC RESEARCH FIELDS

## Health

- medical and veterinary science research, drug research, biology, biotechnology, chemistry, translational medicine, brain research, cancer research, safe food

## Industry and digitalisation

- artificial intelligence, info-communication, modern production systems, cooperative management, mobility (transport, logistics, transportation), engineering, mathematics, physics

## Culture and Family

- social sciences and economics, humanities, pedagogy and psychology, arts

## Safe environment and society

- agricultural science, biotechnology, military science, cyber security and information security, migration, climate and energy, water, space research, circular economy



# HIGHER EDUCATION AND INDUSTRY COOPERATION CENTRES

The centres develop an infrastructure background for industrial development projects based on current market needs, in collaboration with the excellent research institutions of the discipline(s) concerned.

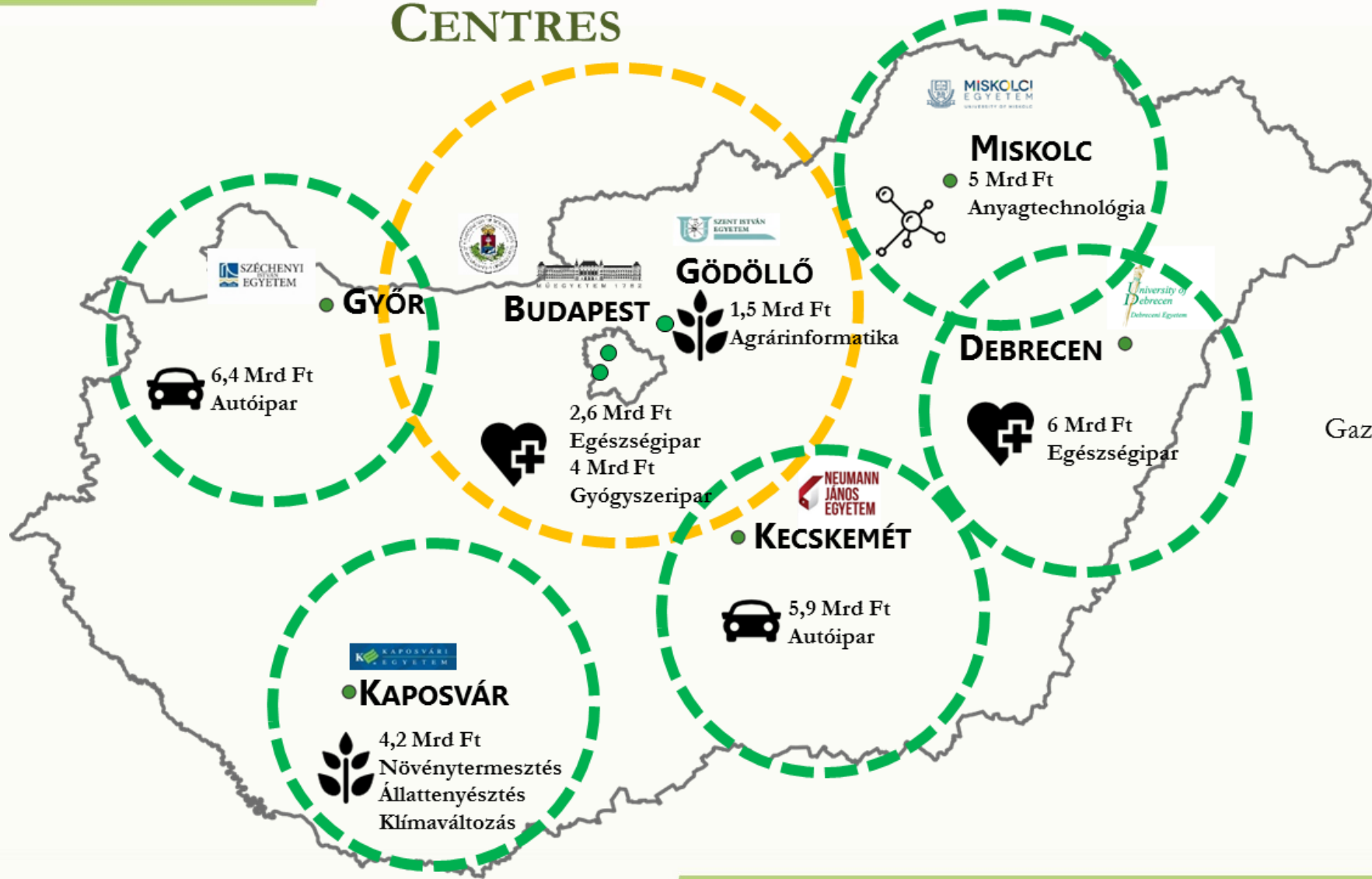
The centres develop the domestic research infrastructure in the form of cooperation between industry and higher education. The developed RDI capacity generates new competitive products and services.

35 billion HUF was allocated in 2016 for establishing RD centres.

**The support program enables the establishment of centres based on corporate RD needs and the use of university RD capacities.**



# HIGHER EDUCATION AND INDUSTRY COOPERATION CENTRES



Gazdaságfejlesztési és Innovációs Operatív Program



Nemzeti Kutatási, Fejlesztési és Innovációs Alap



# UNIVERSITY INNOVATION ECOSYSTEM PROGRAM

## THE CALL IS OPEN!

<b>Objective</b>	Support for the development of innovation ecosystem at universities.
<b>Support</b>	<b>HUF 30-120 M</b> , with a maximum co-financing rate of 100% up to HUF 50 M, and 70% for the part over HUF 50 M <b>Periodic evaluation</b>
<b>Eligible costs</b>	Wage costs (2-5 employee), material costs, services provided by third parties
<b>Financial terms</b>	<ul style="list-style-type: none"> <li>• Central office for technology and innovation transfer at each university – under the direct control of the Rector or Chancellor</li> <li>• Drafting of regulations on knowledge assets management, IP, industrial rights and author rights</li> </ul>
<b>Other conditions</b>	<p>Expectations toward the office manager (evaluation criteria):</p> <ul style="list-style-type: none"> <li>• Managerial skills</li> <li>• Full-time work</li> </ul> <p>Implementation period 3 years. Site of implementation: whole area of the country.</p>
<b>Obligation</b>	<ul style="list-style-type: none"> <li>• Competence mapping, competence management and innovation capacity survey</li> <li>• Establishment of an institutional knowledge management database and connection to the central data system</li> <li>• Systemic management of entrepreneurial partner relations</li> <li>• RDI services to enterprises</li> <li>• Marketization of research outcomes</li> </ul>



# UNIVERSITY INNOVATION ECOSYSTEM PROGRAM

## Mandatory activities of successful applicants:

- Assessing and reviewing RDI capacities. Developing and operating competency management utilizing it, providing data to the sponsor.
  - Developing and maintaining a local database of knowledge management and providing data to the sponsor

Effective collaboration between the university sector and businesses is crucial for the country's competitiveness.

The purpose of the NRDI Office is to create a public, searchable central database using the above listed data from universities, which enables domestic enterprises to find all the CI and knowledge management related services that Hungarian universities can provide.



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**Thank you for your attention !**

[www.nkfi.gov.hu/english](http://www.nkfi.gov.hu/english)

