



ÓBUDAI EGYETEM  
ÓBUDA UNIVERSITY

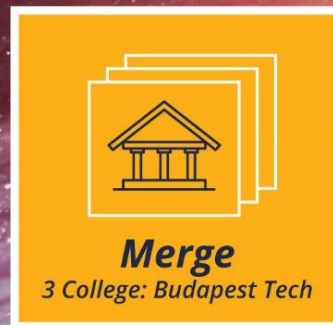




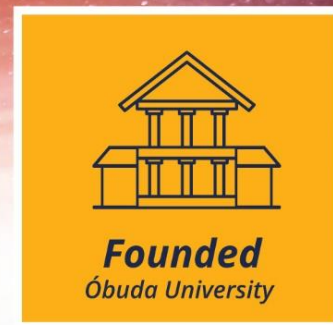
1410



1969



2000



2010



2021

*Defining moments*





*Education*



*Innovation*



*Scientific  
Advice*



*Research*

*Technology for people*



# Rankings 2021

*Times Higher Education (THE)  
overall ranking*

**1079**

*Times Higher Education  
Young Universities – 2022*

**301-350**

*Times Higher Education  
Computer Science*

**501-600**

*Times Higher Education  
Engineering*

**601-800**



**11,753** students



From  
**69**  
countries



**22%**  
woman  
in our BEng, BSc  
and MSc programmes

**190** **BEng**  
(Bachelor of Engineering)

**8910** **BSc Eng**  
(Bachelor of Science)

**1029** **MSc Eng**  
(Master of Science)

**883** International BSc and MSc  
students

**180** PhD students

# Education

- in figures 2022





# *Lifelong learning*



## ***Continuing education***

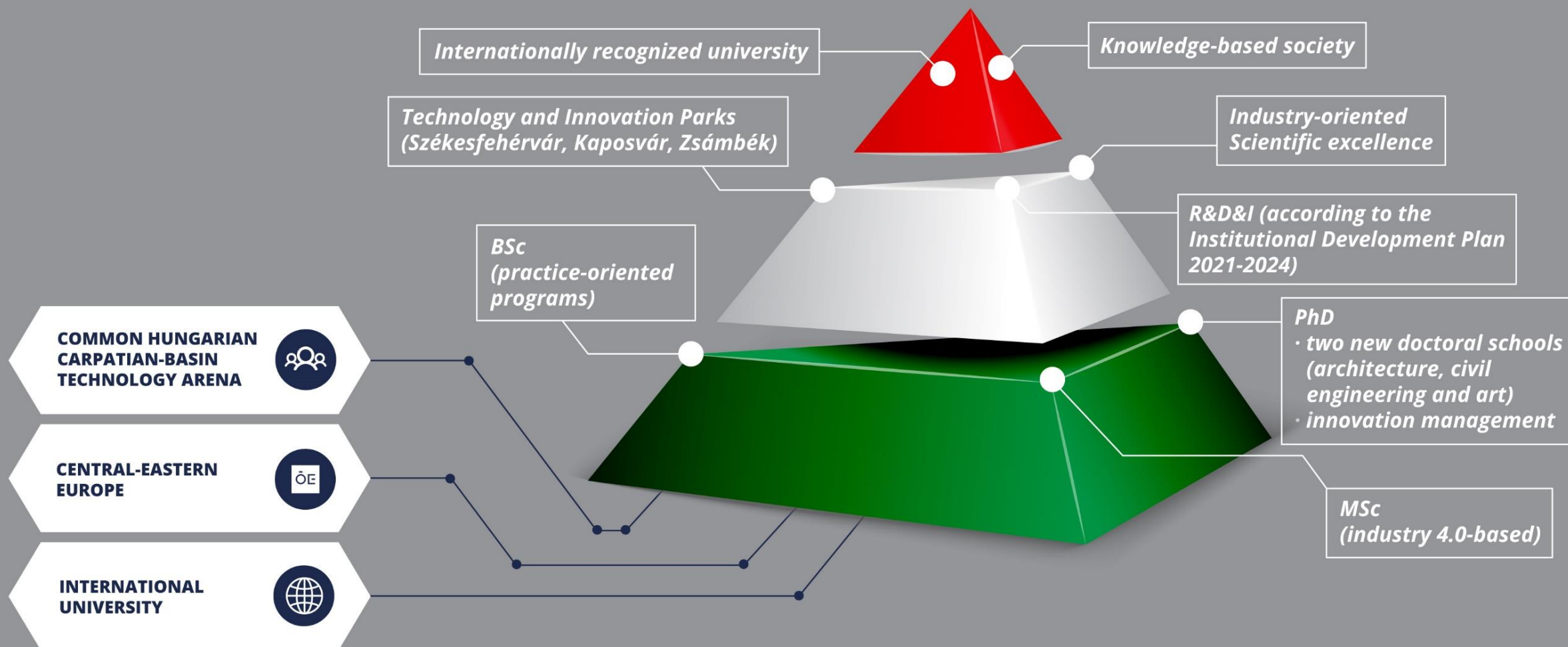
- Diploma—part-time
- Master—part-time
- Online courses
- Short courses
- Open education



# DEVELOPMENT PYRAMID VISION OF ÓBUDA UNIVERSITY: A PROMINENT UNIVERSITY IN THE CENTRAL EUROPEAN REGION



ÓBUDAI EGYETEM  
ÓBUDA UNIVERSITY





*Research*



# Publication statistics



**1,693**  
publications



**International  
co-publication**



**Top 10**

**International  
co-publication  
countries**

More than **40** per cent of  
publications by ÓU researchers  
are co-published with  
researchers from abroad

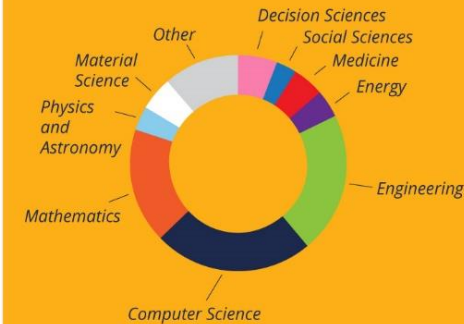
- Vietnam
- Slovakia
- Serbia
- Hong Kong
- Iran
- Taiwan
- Germany
- United Kingdom
- Romania
- Australia



**9,825**  
citation count

**5,8**  
citations  
per publication

**26**  
h5-index



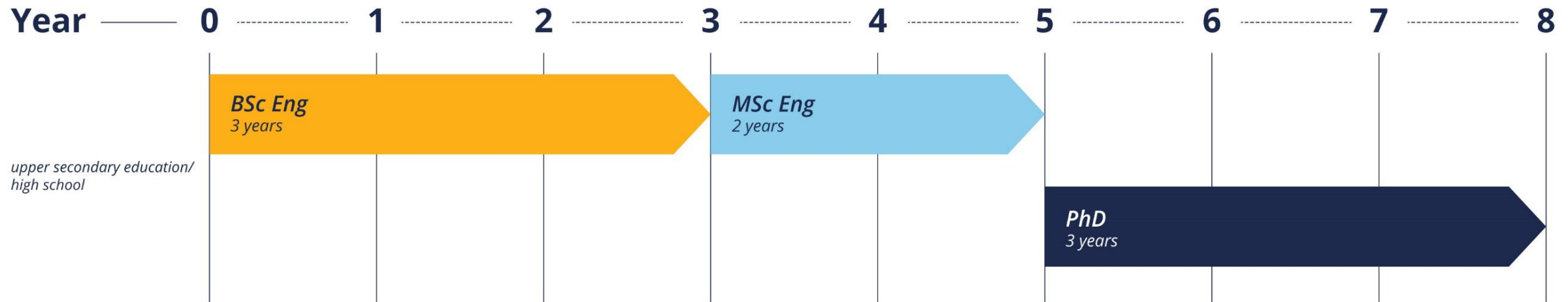


# *Research facilities*





# Education



+





# *Employability*







*Hands-on access to  
world-class research facilities*



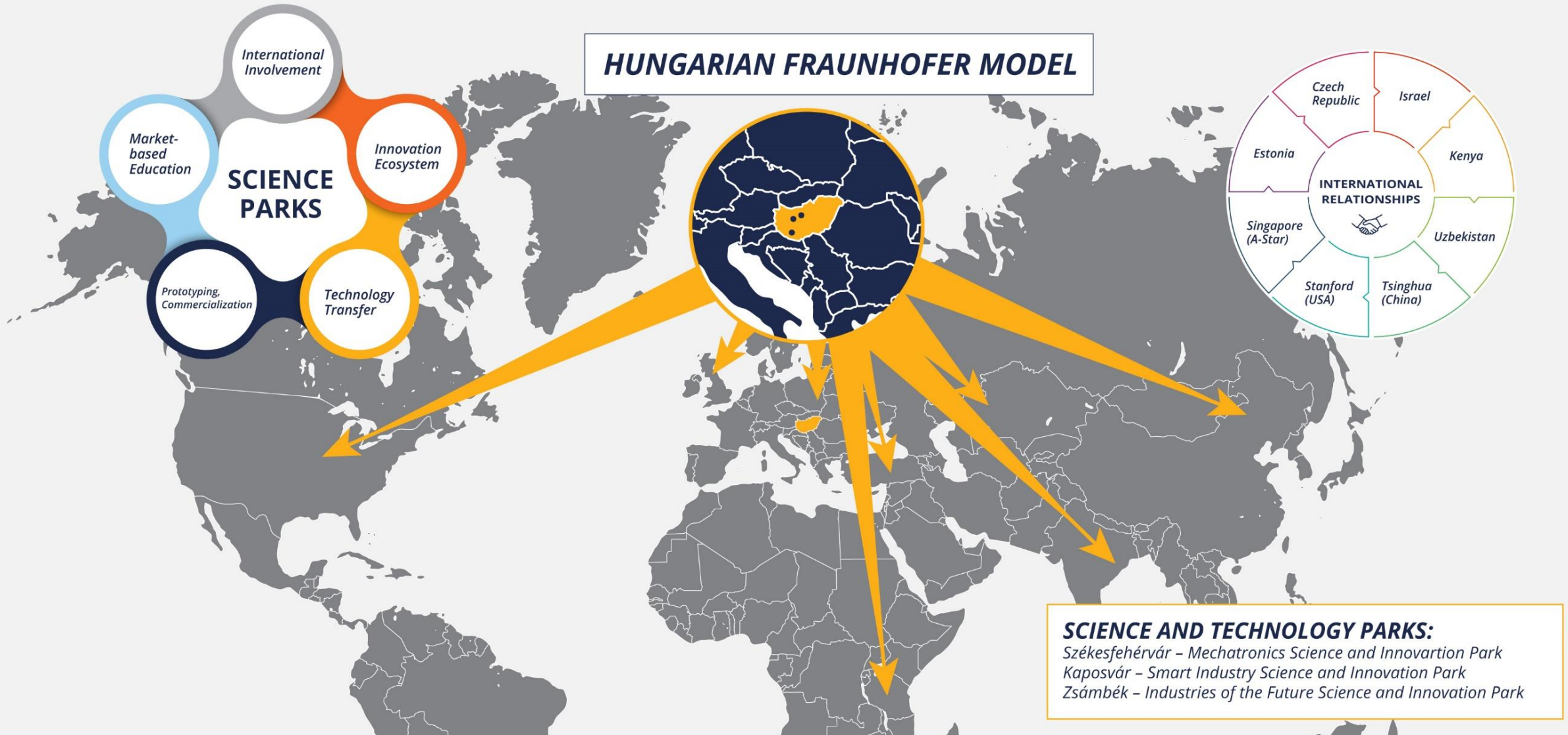


*Collaboration with industry*

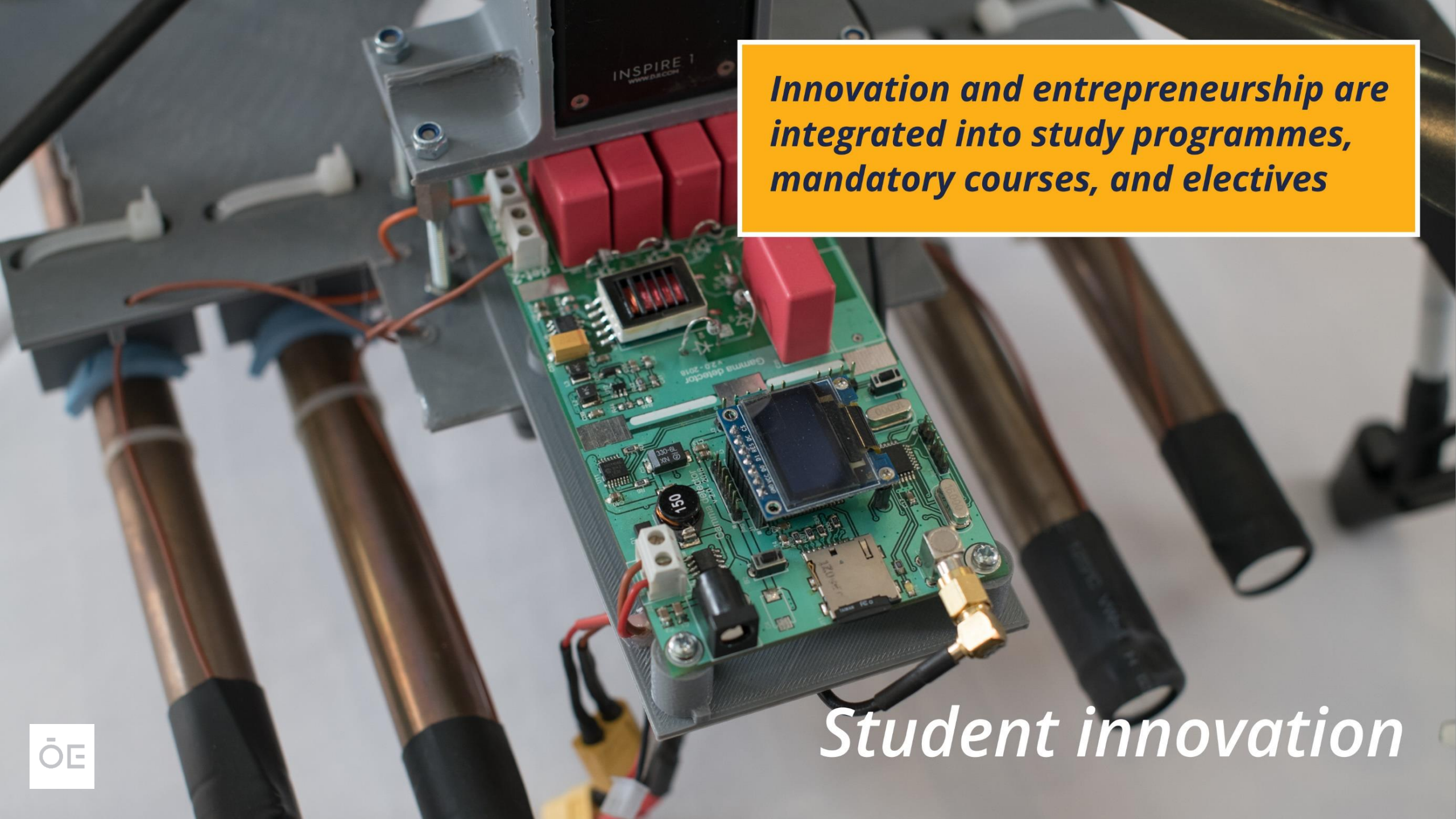


# ÓU SCIENCE AND TECHNOLOGY PARK INTERNATIONAL COOPERATIONS

## HUNGARIAN FRAUNHOFER MODEL







***Innovation and entrepreneurship are integrated into study programmes, mandatory courses, and electives***

***Student innovation***



# IMDI – Doctoral School of Innovation Management

Teaches and researches the structural, institutional, and human factors of market entry and success of innovations through a theoretical and methodological approach

## INNOVATION MANAGEMENT AND BUSINESS/SOCIAL INNOVATION





# *Innovation and entrepreneurship*

- ***Student innovation***
- ***Business collaboration***
- ***Start-ups***
- ***Commercialization***



# MASSVENTIL PROJECT

massventil.org



**Commercialization**  
Massventil system (massventil.org)



# Global outreach



**148**

exchange  
agreements

## Top 10 exchange partners

### TO ÓU

- Germany
- France
- Turkey
- Spain
- Portugal
- The Netherlands
- Poland
- Kazakhstan
- Brazil
- Japan

### FROM ÓU

- Finland
- Germany
- The Netherlands
- Spain
- Belgium
- Portugal
- Norway
- Poland
- Romania
- France

*in 2021*

**806**

international students  
came to ÓU



**52**

ÓU students  
went abroad





# Staff and students

Human resources – FTEs (hereof faculty)

**1087**



**67%**

researchers and  
educators (VIP)

**11%**

PhD students

**22%**

in support  
functions

Full-time students

**11,753**



**90%**

BSc Eng

**9%**

MSc Eng

**1%**

BEng





ÓBUDA UNIVERSITY

EKIK – UNIVERSITY RESEARCH  
AND INNOVATION CENTER

### Main goals

- Participation in high-end international R&D projects
- Managing university projects and R&D focused education
- Building a strong international network
- Publication of world class research results
- Innovation Ecosystem management
- University Venture Capital activities





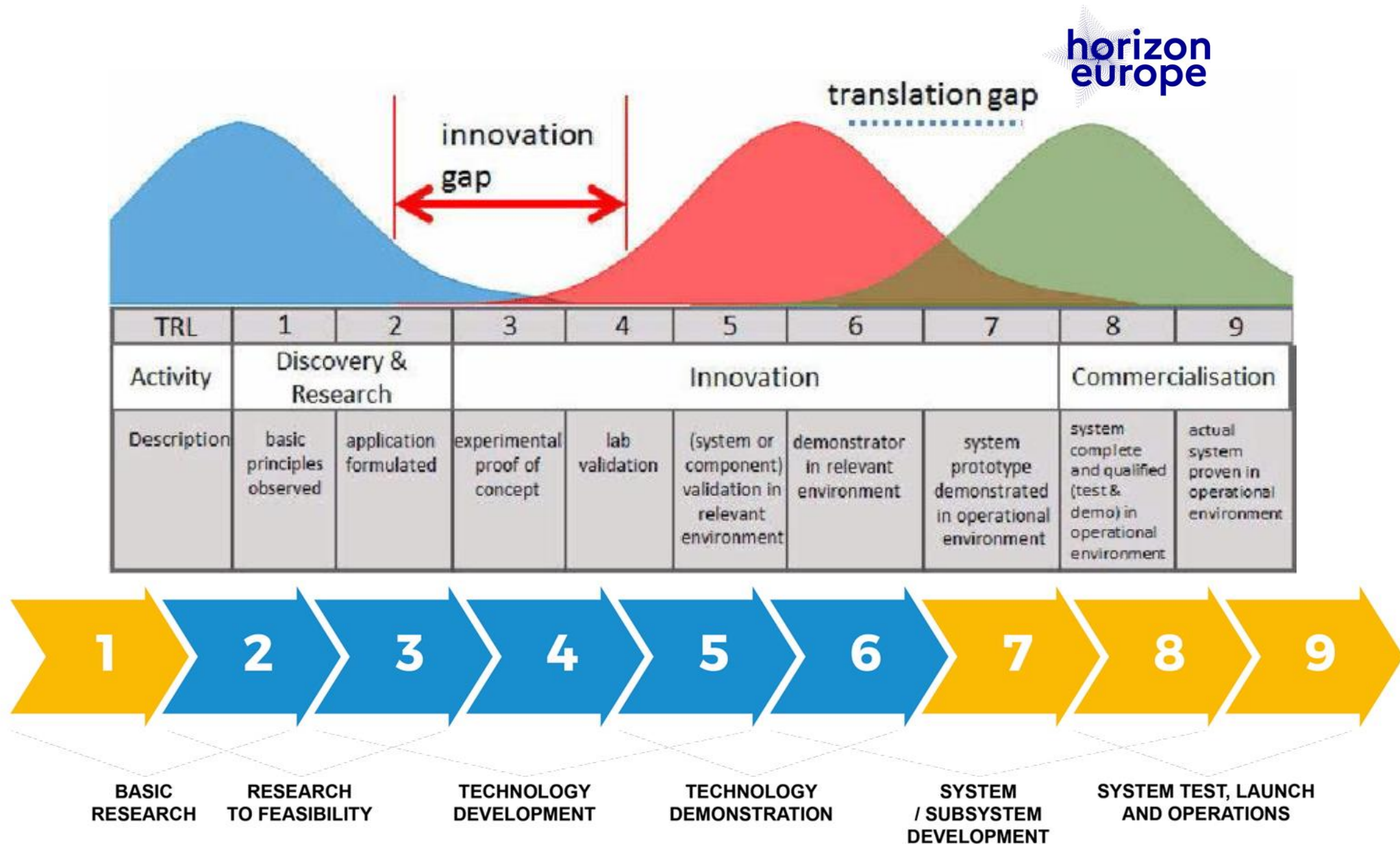


**ÓBUDA UNIVERSITY**  
EIK - UNIVERSITY RESEARCH  
AND INNOVATION CENTER

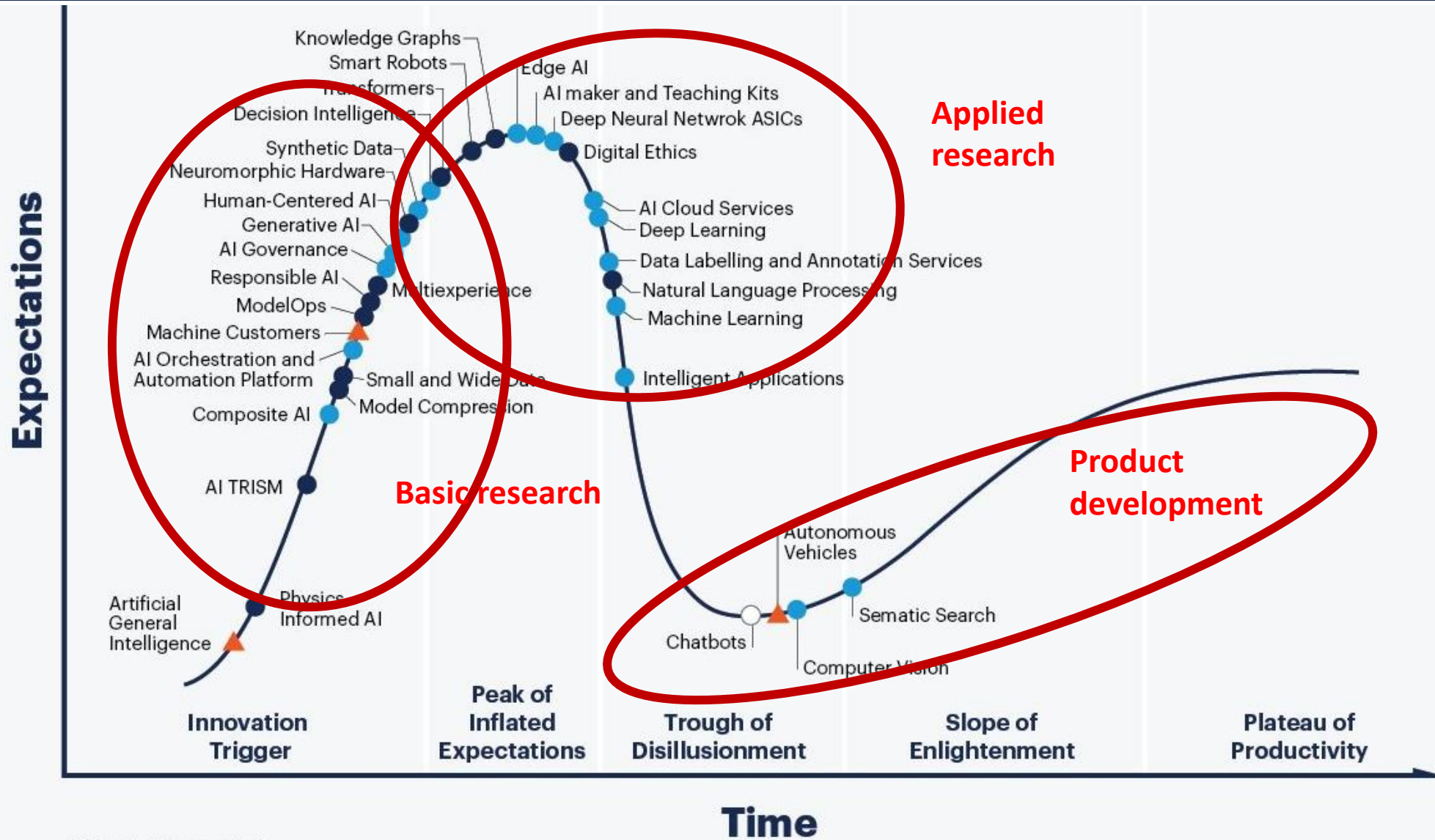
**Added value**











Plateau will be reached:

○ less than 2 years

● 2 to 5 years

● 5 to 10 years

▲ more than 10 years

⊗ obsolete before plateau

As of July 2021



















- Proof-of-Concept student innovation calls
- Startup companies
- Cooperative PhD program
- Ecosystem building programs
- Hungarian Startup University (HSUP) national program
- H2020/HE grants
- Awareness raising



NEMZETI KUTATÁSI, FEJLESZTÉSI  
ÉS INNOVÁCIÓS HIVATAL



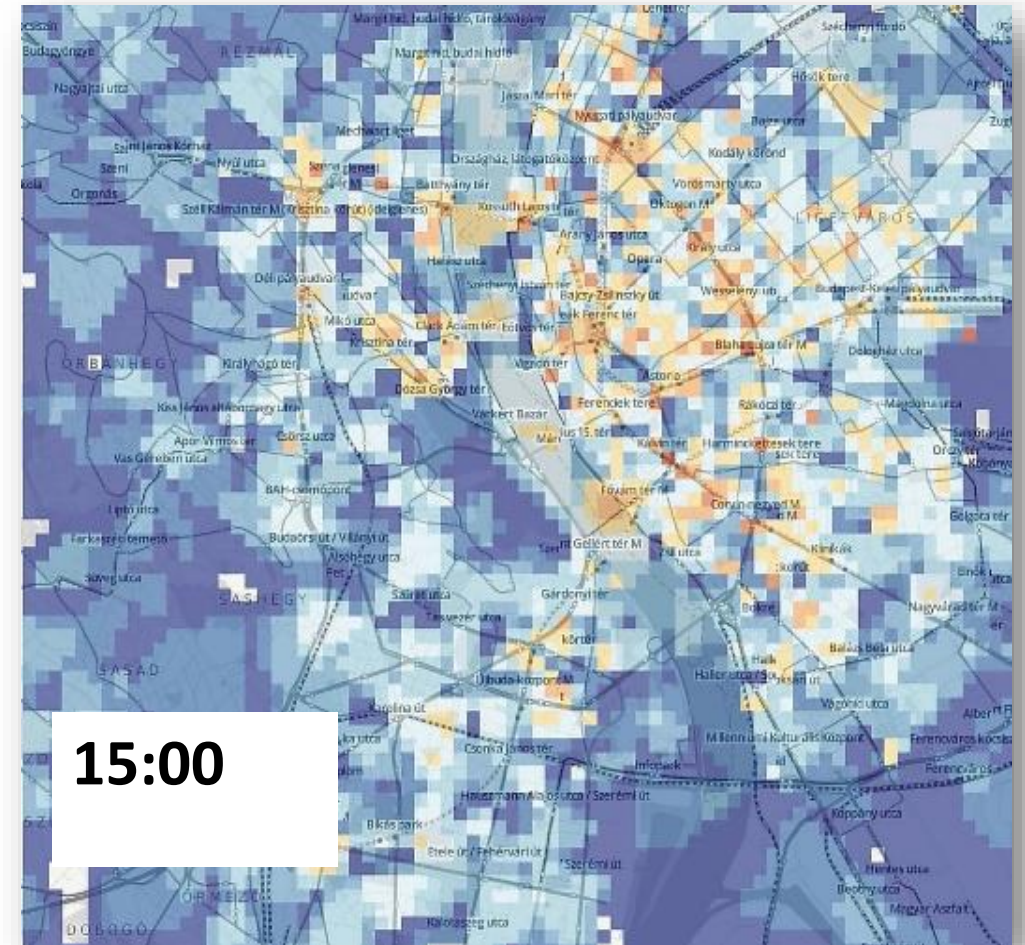
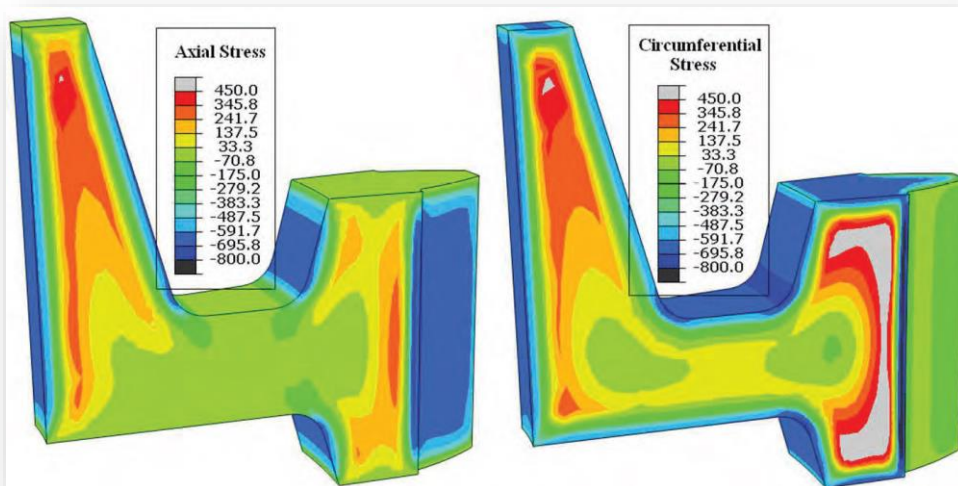
## **Active research centers**

- **Antal Bejczy Center for Intelligent Robotics**
- **Bio-Tech Research Center**
- **Physiological Controls Research Center**
- **Health Economics Research Center**
- **Associated labs**



# AI and Big Data Research

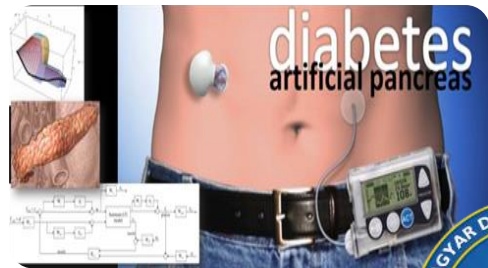
- **Cooperation with Cellular Network Operators**  
Characterize a population's behavior in Urban areas
- **CUDA Laboratory**
- **Support Production Processes**  
3D metal printing  
Heat Treatment Operations
- **Accounting System in the Cloud**



# Research Competencies



**Diabetes:**  
**Artificial pancreas**



**Cancer:**  
**Antiangiogenic TMT**



**Biostatistics:**  
**Evidence based medicine**



**B|BRAUN**  
SHARING EXPERTISE

**Hemodialysis:**  
**Peristaltic pump control**





# Antal Bejczy Center for Intelligent Robotics (IROB)



<http://irob.uni-obuda.hu/>  
Director: Dr. Péter Galambos









ÓBUDAI EGYETEM  
ÓBUDA UNIVERSITY

**[www.uni-obuda.hu](http://www.uni-obuda.hu)**

*Follow us on*

