



Research and Innovation in Hungary

USA – Hungarian S&T relations

József Pálincás
President

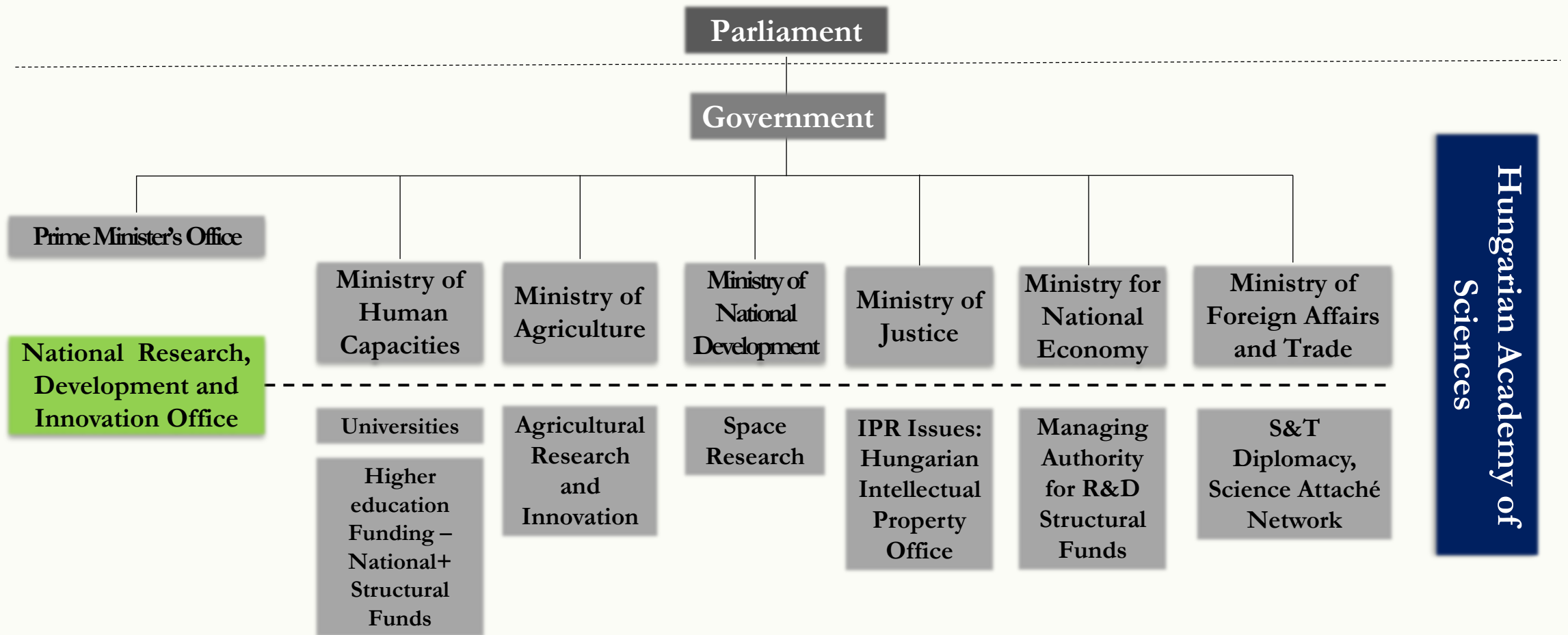
US-Hungary Business Council Budapest Business Mission
Budapest, 27 June 2017

MOMENTUM OF INNOVATION

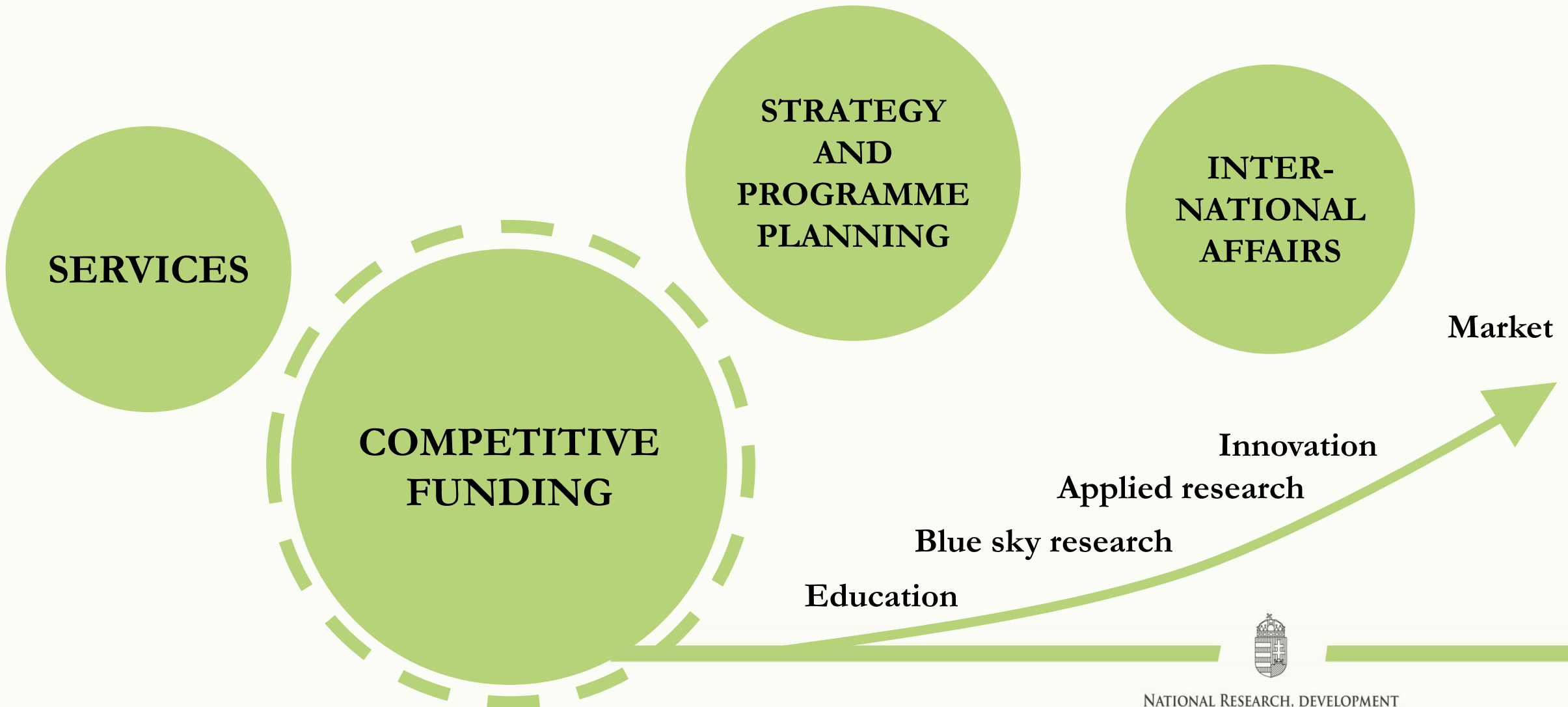


NATIONAL RESEARCH, DEVELOPMENT
AND INNOVATION OFFICE
HUNGARY

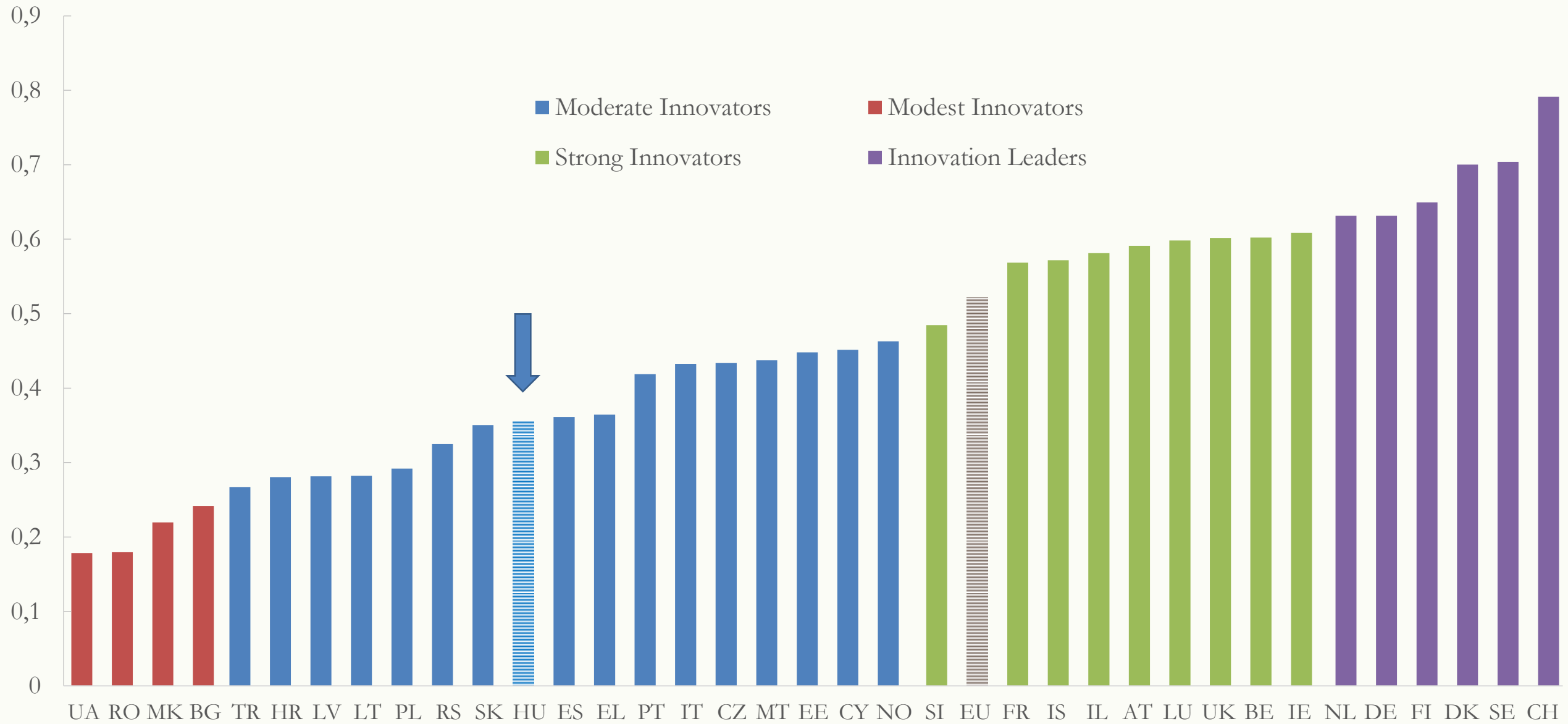
Governmental Structure of RDI in Hungary



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



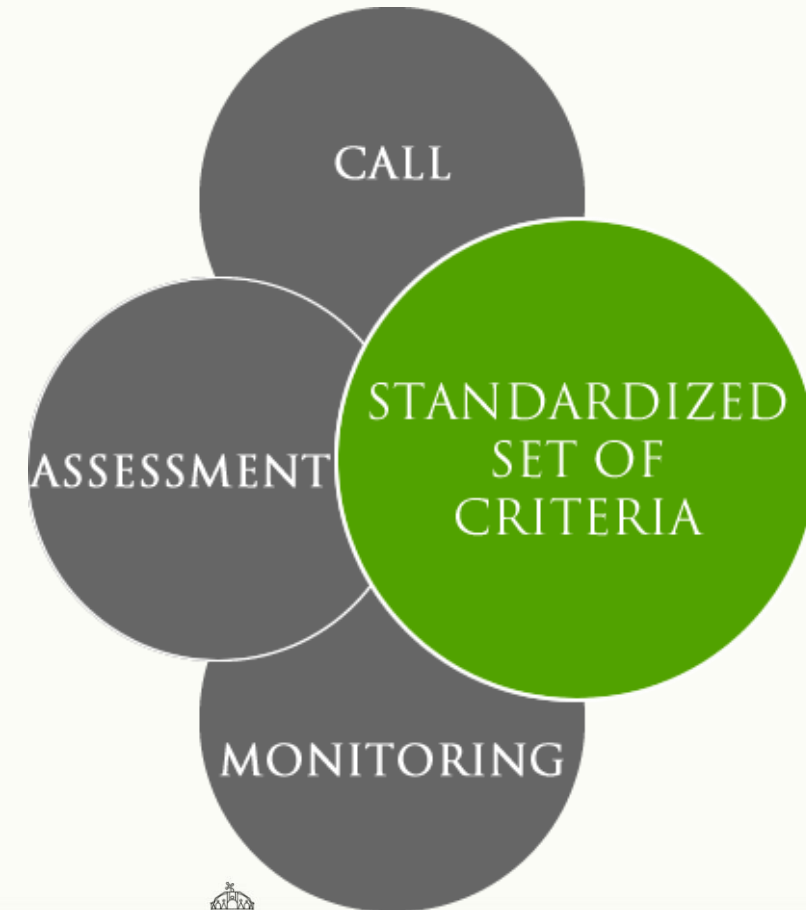
Innovation Union Scoreboard, 2016



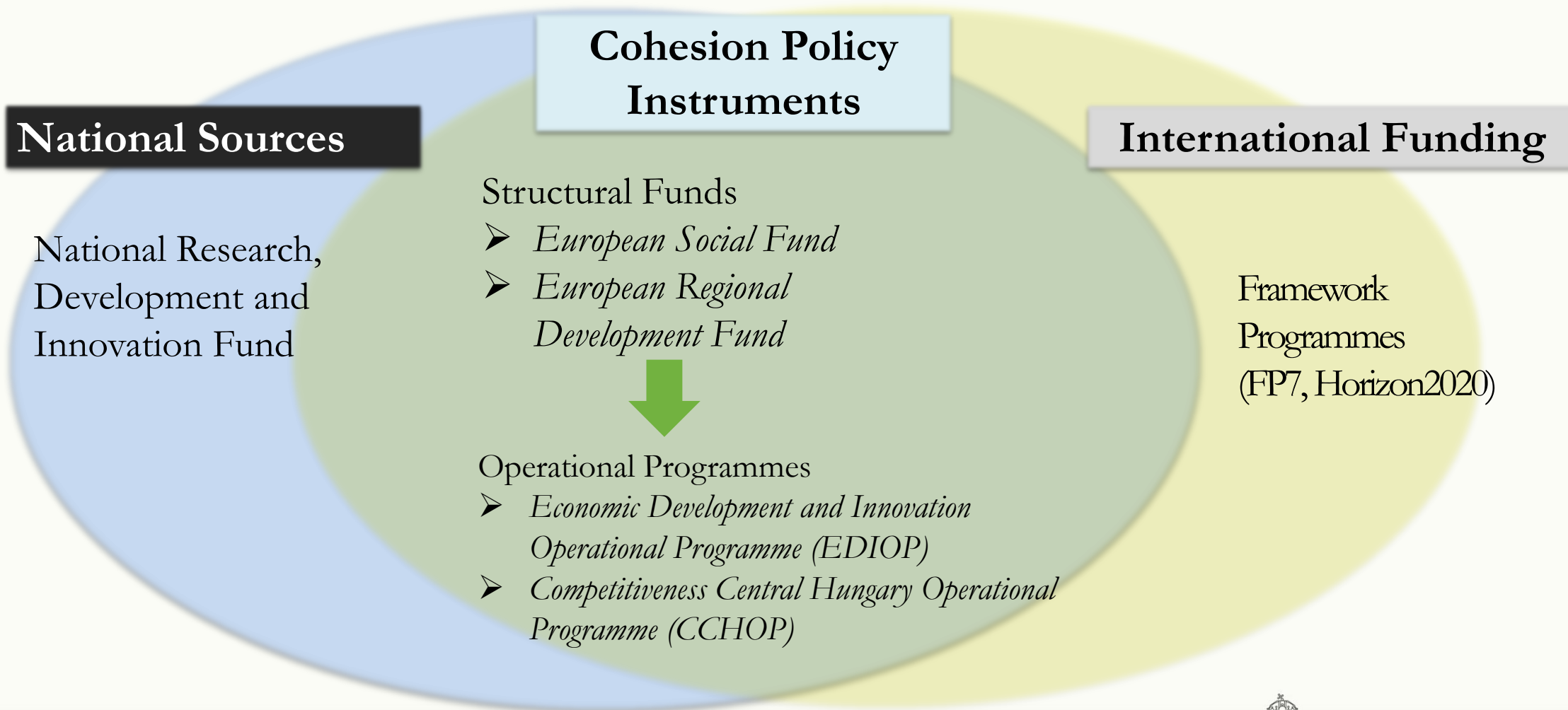
Coordination of resources in a competitive funding system

The power of excellence

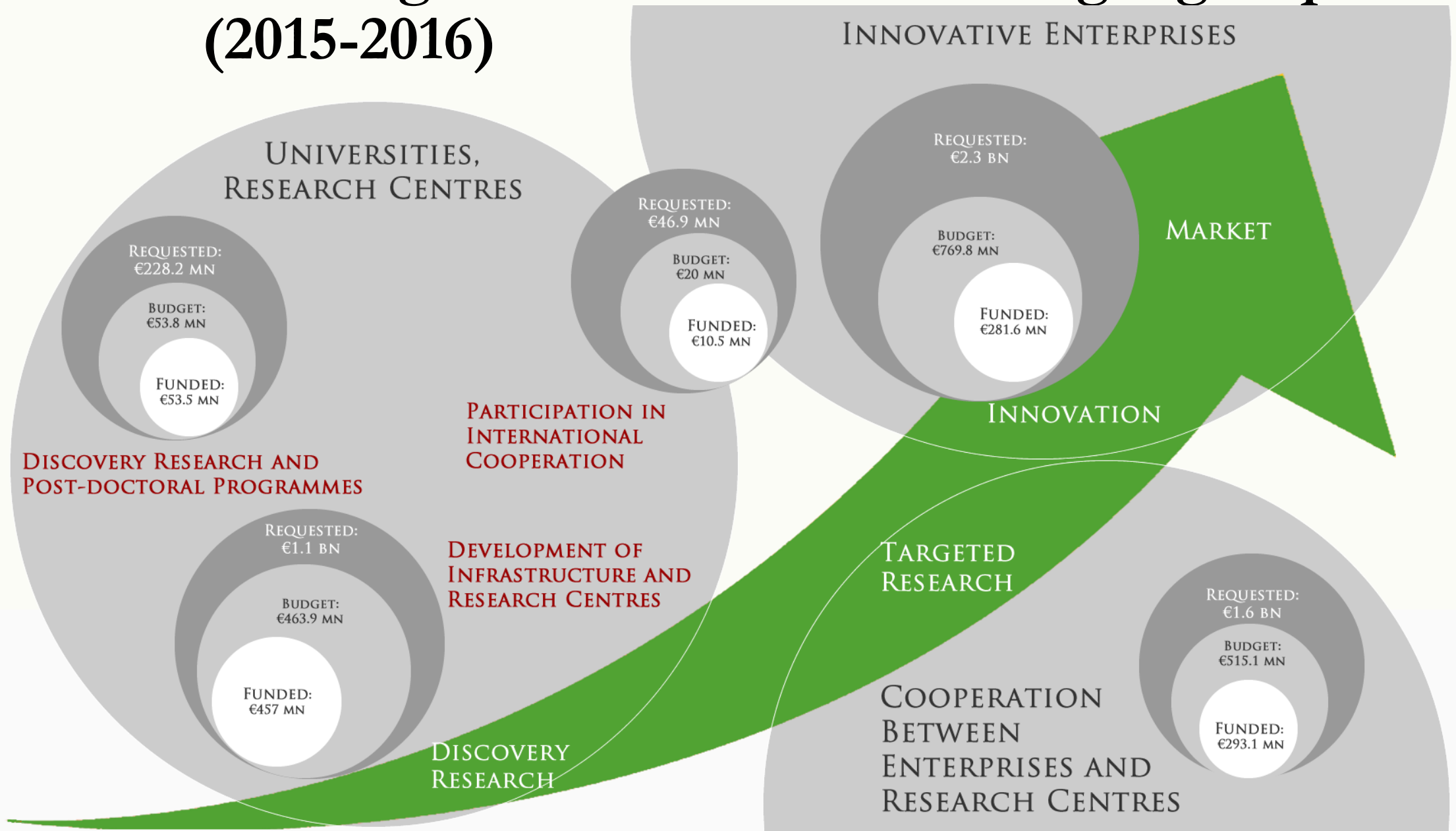
- coordinated management, flexible planning, complex portfolio of calls
- well-balanced support to discovery research, experimental development and innovation
- novelty, international competitiveness, sustainability
- challenge-oriented funding
- practical applicability and marketability of RDI results



The Sources of R&D Funding in Hungary



Funding of the different RDI target groups (2015-2016)



Funding decisions in 2016:

Significant resources allocated to all sectors

- **Requested RDI resources**
- (GINOP, VEKOP, NRDIF): **4 405 m EURO**
- Resources allocated (GINOP): **691 m EURO**
- Positive expert opinion (VEKOP): **32 m EURO**
- Resources allocated (NRDIF): **218 m EURO**
- **Altogether** **941 m EURO**

- **Number of proposals:**
- GINOP: **4231**, VEKOP: **972**, NRDIF: **3868**, altogether: **9071**

How to boost the innovation ecosystem?

Innovation dilemma




"...the Government should actively encourage innovation by providing venture capital"



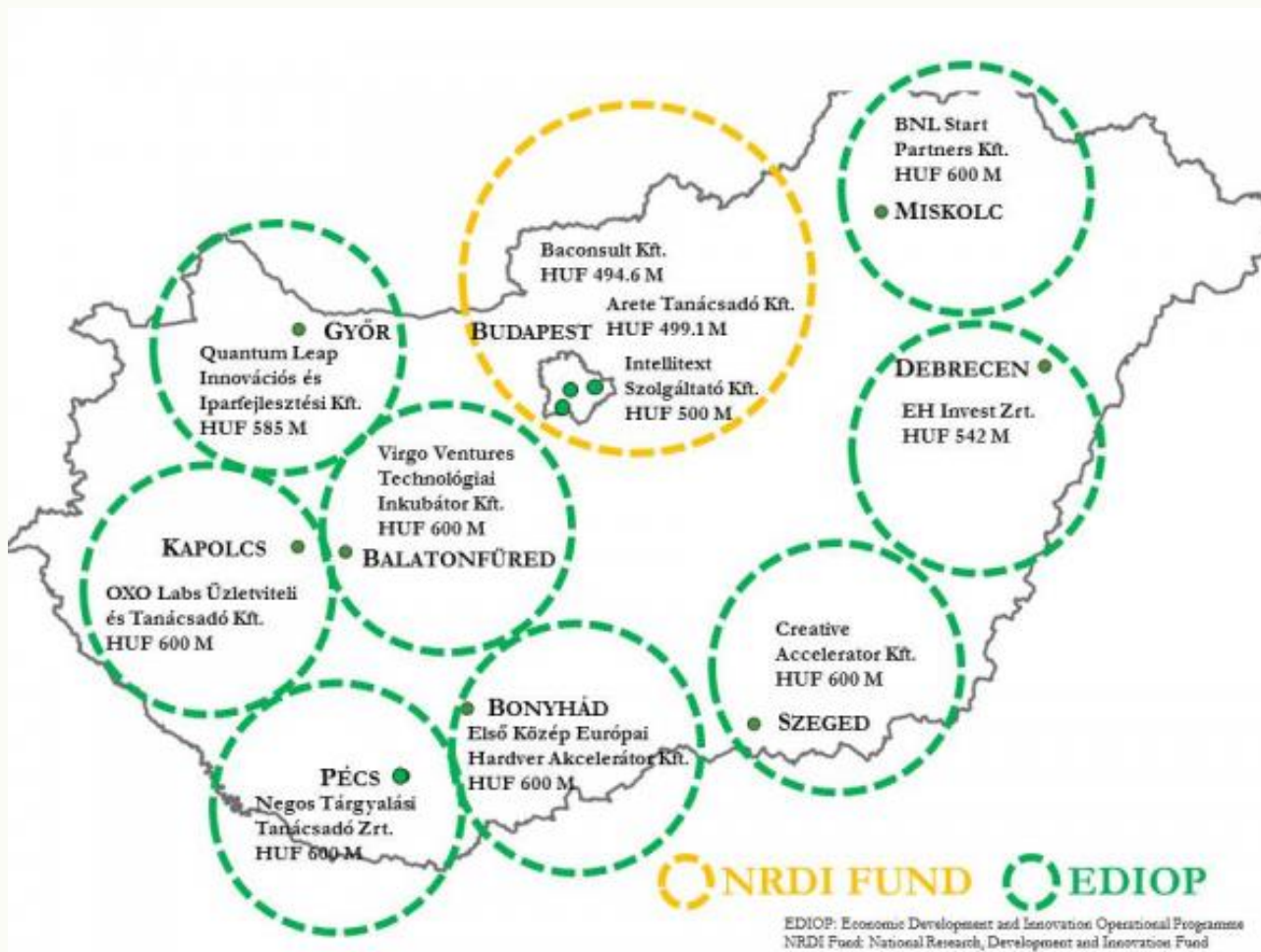
"Government + Innovation = bad combination"

The Government as an investor

the NRDI Office of Hungary

- **Balance** between  and 
- **Catalyst** for value creating investments
- **Partnership** – under predictable terms and conditions – **with RDI actors and investors** to encourage globally competitive innovation

New incubators get the green light across the country

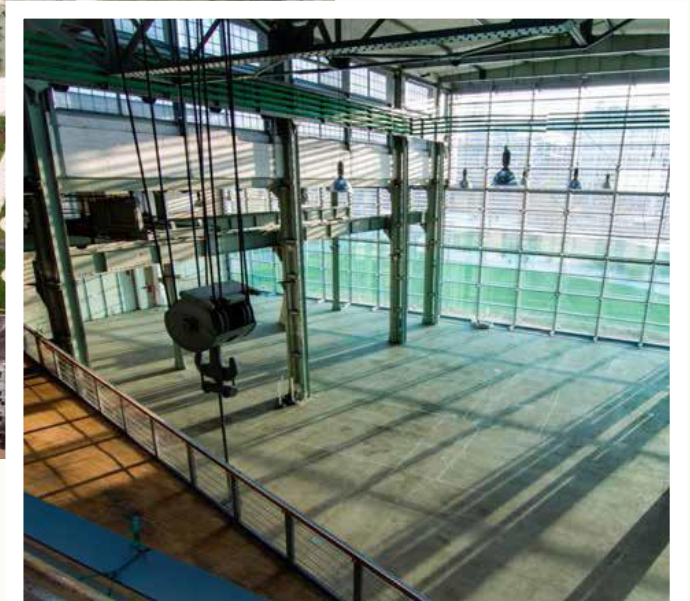


Funding of EUR 21.6 million to start new incubators and develop startup ecosystem in Hungary

- **eight incubators** selected out of 44 project proposals in the **less developed regions** (EU funds, EUR 16.6 million)
- **three incubators** selected out of 9 project proposals in **Central Hungary** region (domestic NRDI Fund, EUR 5 million)

Startup Campus Budapest – concept of future

- A new multi-function startup hub to be launched in the heart of Budapest to inspire creative entrepreneurship
 - interconnect the key stakeholders of the innovation ecosystem
 - offer complex services (education, training, business development, startup events)
 - display and promote local innovations in a versatile environment
 - build a community of various creative generations



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Startup Campus Budapest – concept of future



- buildings B & D: altogether 3,500 sqm of space for coworking and events
- community offices of various sizes, 100 mobile and 50 fixed workstations
- 8 event halls to accommodate 150 to 220, 50 to 120, 20 to 30 people

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New schemes and perspectives in funding

- Increasing share of financial instruments for businesses
 - Loan, guarantee, venture capital
- National technology and intellectual property, venture capital program
 - publicly managed, targeting **pre-seed/seed phase**
 - with 100 million EUR of EU funds and 67 million EUR of domestic funds (Hungarian Development Bank, MFB)
- Smart specialization, venture capital program
 - privately managed, targeting **growth phase**
 - with EUR 250 million of EU funds
- National venture capital fund
 - EUR 33 million of the total budget goes to RDI projects

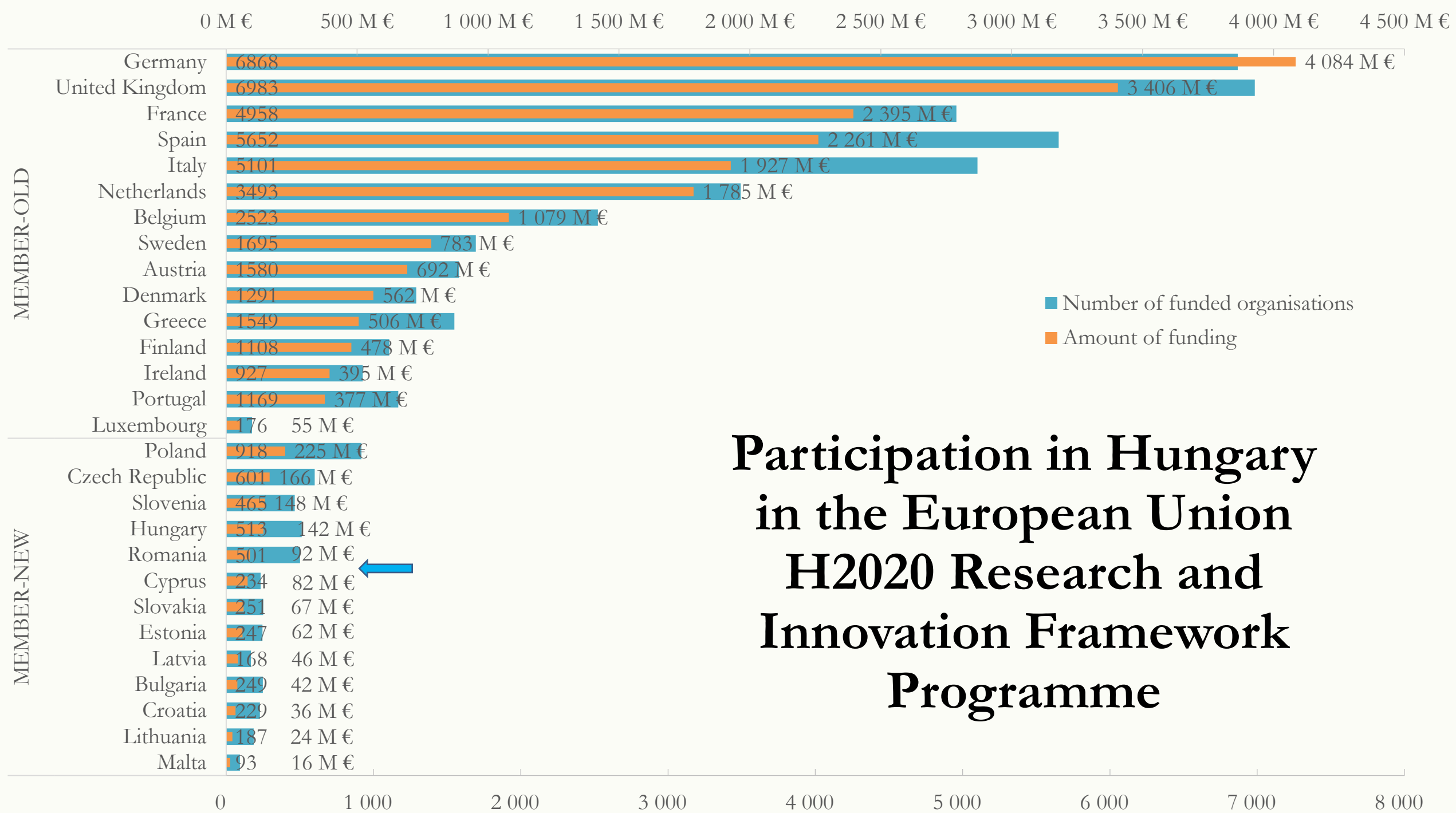


PARTICIPATION IN HORIZON 2020
EU RESEARCH AND INNOVATION FRAMEWORK PROGRAM

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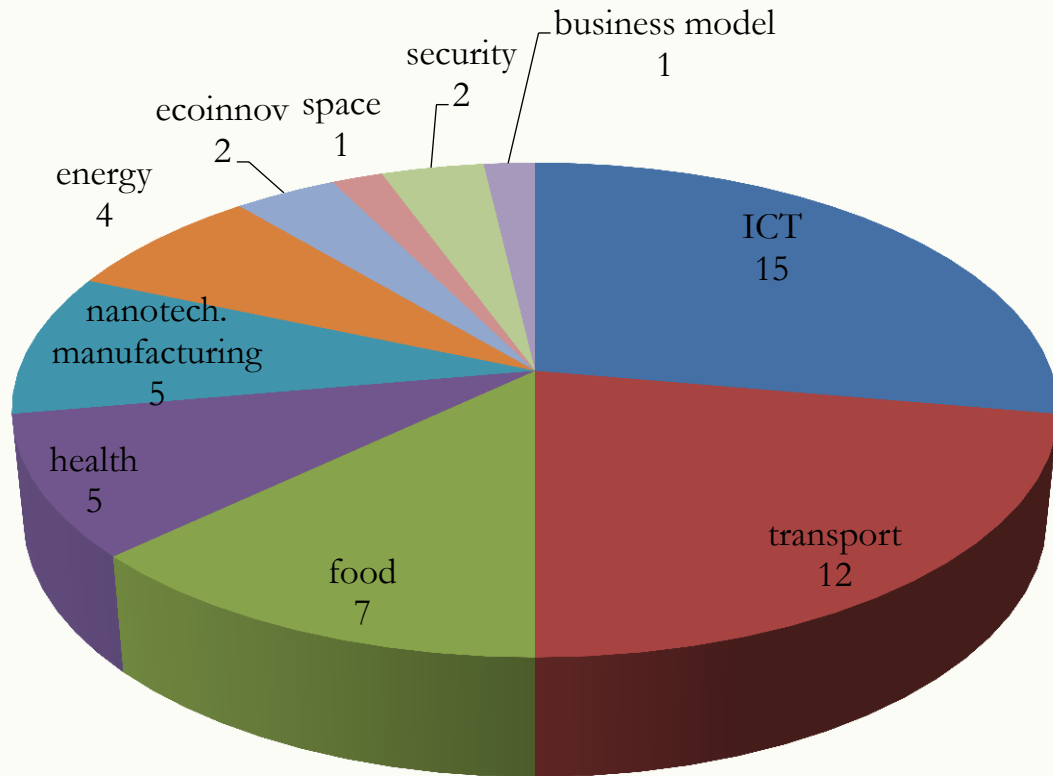


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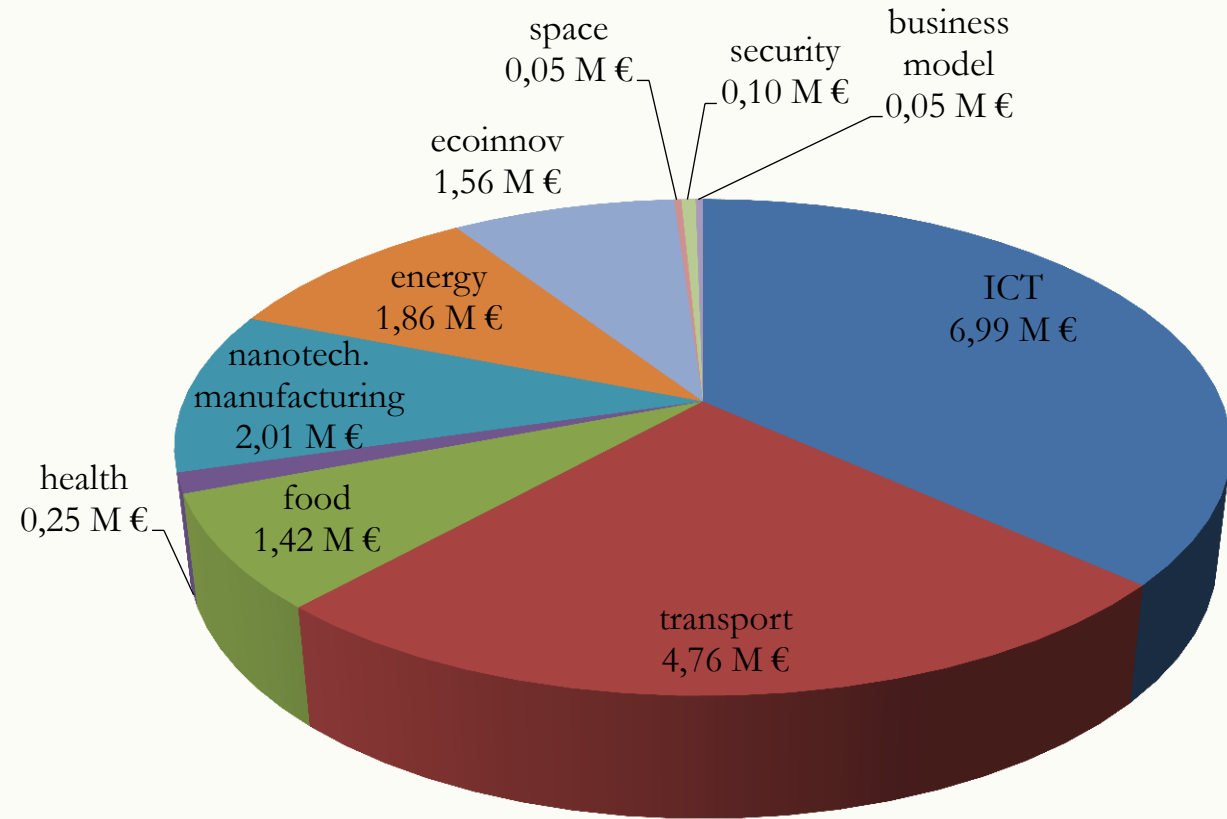


Participation in H2020 SME instrument calls Phase 1+2

Funded Hungarian SMEs (54)



Amount of funding for Hungarian SMEs (19 M€)



Two funded Hungarian research initiatives among 10 European Centres of Excellences H2020 Teaming



The main goal of the **Centre of Excellence on Cyber-Physical 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

Full budget:
€21,7 million

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

US-HUNGARY SCIENTIFIC AND TECHNOLOGICAL (S&T) RELATIONS

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Bilateral S&T cooperation

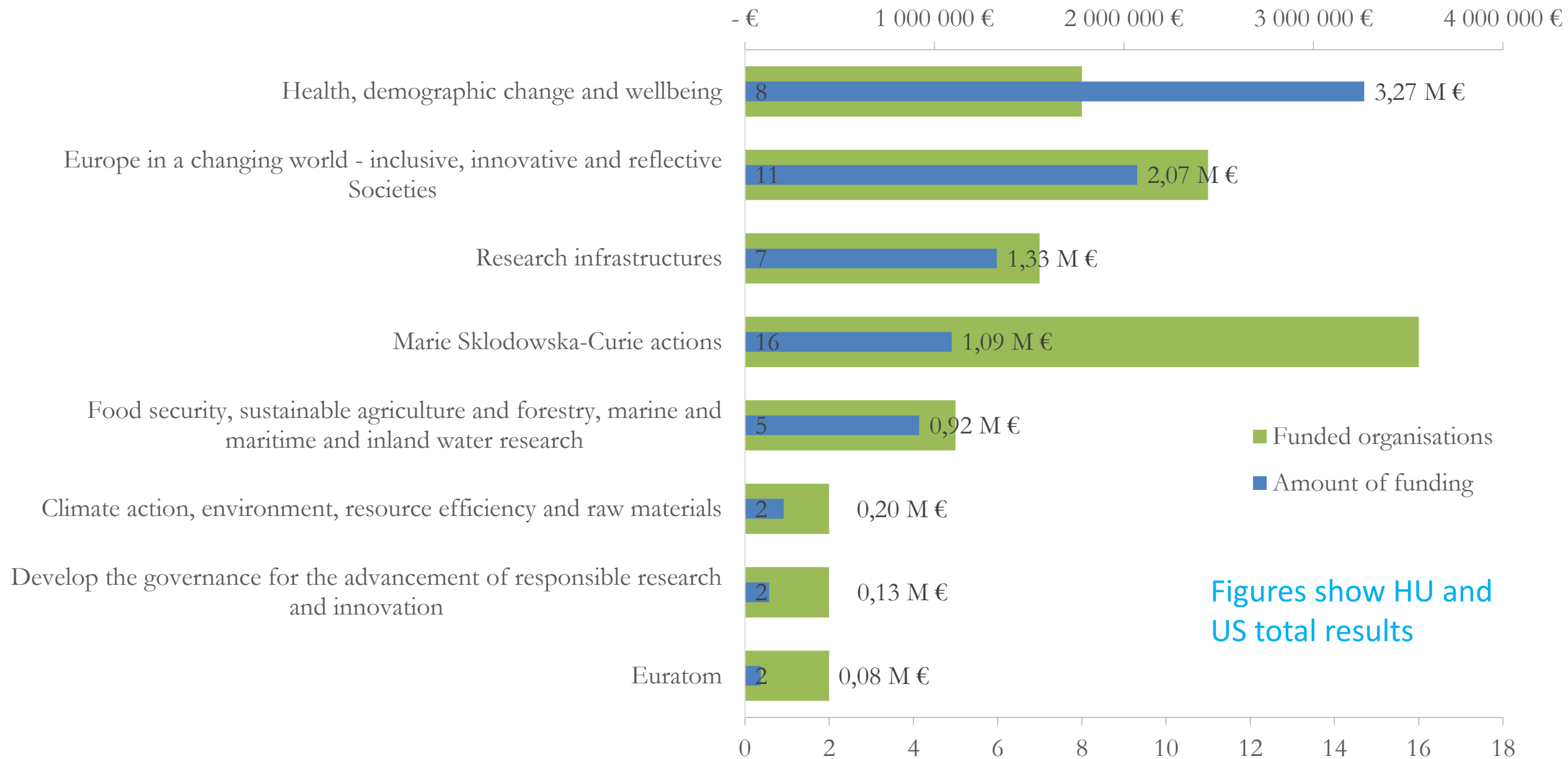
Bilateral S&T agreement between US and HU – since 2000, renewed in 2010.

Bilateral cooperation mostly at institutional level in the academic sector:

- Hungary: **Universities, Research Institutes of the Hungarian Academy of Sciences**
- US: **Universities**



HU-US cooperation in EU Horizon 2020



THANK YOU FOR YOUR
ATTENTION!

www.nkfi.gov.hu/english

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