STABILITY AND INNOVATION

Lámfalus

MNB technical cooperation programme 2023

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Dear Colleagues, Dear Friends,

New initiatives, new partnerships bring along new excitement and opportunities to grow and improve. In this spirit, it is to my greatest pleasure that Magyar Nemzeti Bank, the central bank of Hungary launches its Technical Cooperation Programme in 2023 for the very first time. I am confident that technical cooperation becomes an integral part of our international agenda, and our programme will develop further over time.

The unprecedented challenges we faced in the recent years increase the need for a new mindset, and a new approach is required that incorporates the duality of stability and innovation. To overcome the crises of the past decade, wide-ranging stability is essential, and central banks play a critical role in preserving it by utilizing both established and novel tools. In the rapidly digitizing and data-driven word, where the future of money and the money of the future are taking shape alongside technological advancements, innovation and new solutions are increasingly important. Moreover, the environmental, economic, and social changes associated with climate change are one of the greatest challenges of our time. Climate change has strong impact on price stability, financial stability and convergence in economic development. So, there is an urgent need for a sustainability turnaround in all aspects of life in our world, and that should be reflected in economics as well. Without a fundamental transformation of economic thinking, the sustainability turnaround cannot be attained. For this reason, this 21stcentury approach must prioritize sustainability and guide central bank operations. The heterogenous nature of the global financial system created greater need to discuss and to understand the new approaches, broaden our horizon and identify key takeaways.

The constantly evolving global order, altering the global economy and financial system reminds us of the importance of cooperation. Having realized this, MNB has broadened the scope of its international activities significantly in the recent years, geographically and in-depth as well. Such diversification appears in increased engagement in multilateral dialogue, active participation in various integration formats and intensifying cooperation with our partners worldwide.

Technical cooperation in this sense is a realization of a forwardlooking, extensive international central bank strategy, based on mutual information sharing, trust and respect. We are determined to provide informative and useful experiences during our seminars and receive valuable feedback from our partners. I sincerely hope this approach will make our programme a new dash of colour on the palette of central bank cooperation.



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György H. Matolcsy Governor

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Dear Colleagues,

Launching the MNB technical cooperation programme is undoubtedly a milestone in our work in the field of international relations. MNB has a great experience in such cooperation activities, although so far, we conducted a demand-based method, that let us organise tailor-made seminars based on the needs of our



partners. With the intention of maintaining such bilateral cooperation, it was time to summarize our experiences and channel them in our own programme based on the expertise we had gained in the years behind us.



We designed our programme with the aim of keeping the balance between traditional central banking functions and recent developments of the financial world. Financial system analysis and macroprudential policymaking as well as Financial infrastructures, payments and cyber security have eternal importance in central banks, even though they transform constantly in line with changes in the global monetary policy and economy. As climate change and the green transformation of the economy have an impact on price stability, central banks must be active in the field of environmental sustainability. Thus, we included in our programme Green and Sustainable Finances, in which we will introduce the MNB's pioneer Green Program. Moreover we believe central banks should be on the forefront of the financial technological evolution, therefore the topics of Digitization and FinTech innovations cannot be missed from cooperation programmes. Our attempt was to cover the most intriguing topics of today's financial landscape and I sincerely hope our partners will prove us right.

We have finished the first round of our work designing the 2023 Technical cooperation programme, for which I am very grateful to all my colleagues involved and all future guests attending our seminars. However, as the saying goes, every ending is a new beginning, therefore I am certain there is a long way ahead. We have laid a strong foundation for our future work and we aim to develop our technical cooperation programme further, adding more courses, involving more people and accomplishing more together. I am confident our journey together will be beneficial for each participant, our guests and lecturers as well.

Mihály Patai Deputy Governor



GENERAL INFORMATION

GENERAL PURPOSE

Cooperation has become a key element in today's fast-paced and globalised economic environment. Magyar Nemzeti Bank, the central bank of Hungary launched its technical cooperation program to strengthen its international network, enhance cooperation with its partners and foster knowledge sharing and financial dialogue among central banks. Gaining knowledge and establishing valuable personal connections can significantly contribute to effective economic policymaking, financial stability and growth, therefore it benefits all parties involved.

VENUE

The seminars take place in the main building of Magyar Nemzeti Bank (address: 1013 Budapest, Krisztina körút 55.) Participants are advised to approach the building from the main entrance, marked on the map below. Due to the security regulations of our institution, participants may be requested to prove their identity by presenting a certified ID upon entrance to the building. Upon arrival an MNB personnel will escort participants to the lecture room.



ACCOMMODATION

MNB provides accommodation free of charge located closely to the main building of the bank. Accommodation is provided for the duration of the seminar, from the evening prior to the seminar to the night after. Hotel reservations are made upon the registration information of participants, in line with arrival and departure times. In case of extended stay in Budapest, we arrange special prices at our partner hotels. MNB covers accommodation for participants only, spouses/ guest are advised to make separate arrangements.

If participants would like to extend their stay, they will be responsible for any additional cost. Any costs by accompanying people are not covered by MNB.

HOW TO APPLY

Applications should be submitted online on our website:

CLICK HERE

Please note, that the application implies accepting the Terms and conditions and the Privacy policy of the MNB Technical Cooperation Programme, both available on the application website.

CORRESPONDENCE

All subsequent correspondence will be sent directly to the participants, who will receive an invitation by email and upon request via mail.

CHARGES

Our seminars are free of charge. Participation includes accommodation, breakfast and buffet lunch as well as social events. Participants are assumed to have adequate insurance cover for medical treatment abroad.

CANCELLATION

In case of unforeseeable events, cancellations should be made at least ten days in advance at <u>technicalcooperation@mnb.hu</u> e-mail address. As late cancellations deprive others of the opportunity to attend the seminar and may involve hotel cancellation costs, we may charge noshow fees payable to the central bank involved. In case of cancellation we accept alternate participant nominated by the respective central bank.

VISAS

Please check website of the Hungarian Consular Services to see if you are required to have a visa to visit Hungary. If you do need a visa to travel to Hungary, we suggest contacting the relevant Hungarian Embassy to ensure that the necessary formalities are completed on time.

MNB is willing to issue official invitation letters upon the request of participants for visa purposes.

LANGUAGE

All events are held in English with no translation provided. Participants are required to have a good command of spoken and written English.

DRESS CODE

The dress code for our training events is smart casual.

CONTACT DETAILS

In case of further questions or queries please contact <u>technicalcooperation@mnb.hu</u>.

Central banks for sustainable growth

GREEN AND SUSTAINABLE FINANCES - INTRODUCING THE MNB'S GREEN PROGRAM Professional coordinator: Dávid Papp, Head of Department

PURPOSE OF THE SEMINAR

In 2019 the Central Bank of Hungary ("MNB") launched its Green Program. The program's objectives are the mitigation of risks associated with climate change and other adverse environmental phenomena, promotion of green finance in Hungary, knowledge sharing, capacity building and the reduction of MNB's own carbon footprint. Subsequently, MNB received an explicit sustainability mandate from the legislator: in 2021 MNB's objectives were complemented with the goal of supporting the government's sustainability-related policies as long as it does not compromise the price and financial stability mandates. In order to deliver on this mandate, a Green Monetary Policy Toolkit Strategy was formulated in addition to the Green Program. Within these strategic frameworks, MNB has taken several sustainability-related policy measures both in its monetary and supervisory activities, many of which are unique in Europe and beyond. This seminar will provide a comprehensive overview and deep dives into the sustainability aspects of MNB's operations, ranging from carbon footprint reduction to climate stress tests. The audience will have the chance to interact with seasoned professionals possessing not only theoretical knowledge but also practical experience as well.

CONTENTS / MAIN TOPICS TO BE DISCUSSED

TARGET GROUP

The MNB's Green Monetary Policy Toolkit

Introduction to the MNB's Green Program

- Green mortgage lending
- Climate risk analyses, climate stress tests
- Sustainability aspects in MNB's macro and microprudential supervision
- MNB's Green Preferential Capital Requirements Program
- Supervising green investment products
- MNB's initiatives for carbon footprint reduction and offsetting

Staff of central banks and supervisory authorities with an interest in environmental risks and green finance.

INFORMATION

Date: 14-16 June 2023 Length: 2,5 days Language: English Number of participants: 20 Application deadline: 1 June 2023



The future of digital money

THE MNB'S APPROACH ON SUPPORTING DIGITIZATION AND FINTECH INNOVATIONS

Professional coordinator: Péter Sajtos, Head of Department



PURPOSE OF THE SEMINAR

The seminar aims to bring together specialists of central banks and regulatory authorities interested in learning more about digitalization, FinTech and central bank digital currencies (CB-DCs).

During the seminar the current global FinTech trends will be discussed first. As a theoretical introduction, participants will gain an in-depth insight into the financial stability and market integrity considerations the newly appeared FinTech solutions brought about. That part will also cover the nexus and potential approaches to collaboration between incumbents and FinTech companies. The participants of the seminar will learn about MNB digital policy tools and digitalisation technologies via case studies and receive information on the cyber security aspects as well. The second part of the seminar will cover the CBDC design aspects and theoretical considerations. moreover the CBDC projects around the world and in Hungary will be discussed. The seminar will include also a crypto-assets and blockchain technology workshop.

CONTENTS / MAIN TOPICS TO BE DISCUSSED

- Overview of the digital revolution in finance
- Regulatory tools to promote digitalization in finance in Hungary
- FinTech ecosystem in Hungary, Banking survey and index methodology
- Tech initiatives in Hungary
- Cyber security aspects of digitalization
- International trends in CBDC research, pilot programs and the solutions already implemented
- In-depth analysis of MNB's pilot programs
- Brief introduction into crypto-assets and blockchain technology

TARGET GROUP

Staff members of National Central Banks who deal with digitalization, FinTechs and CBDCs.

INFORMATION

Date: October 25-27 2023 Length: 2,5 days Language: English Number of participants: 20 Application deadline: 3 September 2023

The new era of payments – smooth and secure solutions

FINANCIAL INFRASTRUCTURES, PAYMENTS AND CYBER SECURITY

PURPOSE OF THE SEMINAR

The purpose of this seminar is to provide an overview of the Hungarian payment and securities settlement systems, the key players, the legal and regulatory framework, the recent developments, the supervision and oversight experiences. By attending this seminar, participants can gain practical insights from experts of the Central Bank of Hungary and exchange best practices and experiences with peers. The participants will gain knowledge on the structure and operation of the Hungarian financial infrastructure; on the role of oversight bodies, the regulatory framework, compliance, the risk management and monitoring practices, the challenges and opportunities for oversight and supervision, moreover, on the impact of EU regulations (e.g. EMIR, CSDR, PSD2, PAD). Other important aspect of the seminar will be about oversight expectations related to cyber resilience. The seminar will cover the MNB's retail retail payment development policy and regulatory steps, including instant payments and card payments and the concept of the payments strategy 2030.

TARGET GROUP

The target audience for the seminars includes professionals working in the financial industry, especially in the payments sector, such as regulators, supervisors, auditors, and market participants, who are interested in learning more about the specific topics covered. Professional coordinators: Miklós Luspay, Director Gabriella Biró, Head of Department

CONTENTS / MAIN TOPICS TO BE DISCUSSED



- Brief introduction of the Hungarian payment and securities settlement system
- Practical experiences on the effects of CSDR and EMIR regulations on the Hungarian capital market
- Introduction of Payments Strategy 2030 and the related indicator set of the MNB
- Central bank retail payments
 developments: focus on instant payments
- Mitigation of fraud risks in the retail payments market
- On-site IT examinations and their typical findings
- Cyber security incident reporting
- Cloud security and regulatory expectations
- Machine Learning and Artificial Intelligence on-site methodology and experience

INFORMATION

Date: 22-24 November 2023 Length: 2,5 days Language: English Number of participants: 20 Application deadline: 2 October 2023

Strong foundations for a successful financial system

FINANCIAL STABILITY AND MACROPRUDENTIAL POLICYMAKING

Professional coordinators: Tamás Nagy, Director János Szakács, Head of Department



PURPOSE OF THE SEMINAR

This seminar aims to present the MNB's approach to financial stability and macroprudential policymaking, and to share the MNB's experience with other central banks and macroprudential authorities in this area. Participants will be offered insight into the macroprudential governance and decision-making, as well as the general risk assessment, stress testing and methodological framework of the MNB.

The topics of the seminar will cover the risk assessment tools and macroprudential instruments of the MNB related to lending, real estate markets, liquidity, funding, and capital adequacy in the banking sector along with the MNB's approach to current challenges to financial stability (such as climate risks). The MNB's stress testing framework and newest decision-supporting methodologies (such as agent-based modelling) will also be introduced to participants. The seminar will also share experiences about the MNB's practice on data collection for analytical and decision-making purposes in the field of financial stability.

TARGET GROUP

Mid-level management and senior staff members involved in financial system analysis and macroprudential decision making.

CONTENTS / MAIN TOPICS TO BE DISCUSSED

- Macroprudential governance and decision-making
- Measuring and managing cyclical risks in the banking sector
- Risks in the real estate market and possible tools for their management
- Liquidity and funding regulations
- Macroprudential capital buffers
- Stress testing for macroprudential purposes in an ECL framework
- Agent-based modelling for policy simulations
- Measuring of the stance of systemic risks
 on a macro level
- Data reporting for macroprudential purposes
- Key messages of recent reports
- Latest macroprudential policy decisions
- In-depth analysis of MNB's pilot programs
- Brief introduction into crypto-assets and blockchain technology

INFORMATION

Date: 6-8 December 2023 Length: 2,5 days Language: English Number of participants: 20 Application deadline: 15 October 2023

WHILE IN BUDAPEST

The city of Budapest was born in 1873 through the unification of Buda and Pest. Today the thriving capital is home to more than 2 million inhabitants and claimed to be one of the most beautiful cities of Europe. Its history of over a thousand years is reflected in the architectural diversity of Budapest, showcasing marvellous examples of baroque, neoclassical eclectic and art nouveau buildings. Many of the city's attractions are declared as Word Heritage Sites including the banks of the Danube, with stunning views over the Buda Castle, the Parliament and the bridges of the river. Along with its historical sights Budapest also presents a vibrant cultural life and endless leisure opportunities: a wide array of restaurants and bars, lively cafes and world-class music venues satisfy all needs.

AIRPORT TRANSFER

ΤΑΧΙ

PHONE: +36 (1) 222-2222

Taxi services should be ordered by phone or directly from the Főtaxi's terminal at the airport. Főtaxi is the official taxi company of Ferenc Liszt International Airport. There is a Főtaxi stand at both terminals (2A and 2B). The company operates at a fixed tariff of 440 HUF/km (1.14 EUR/km) in addition to the one-off basic fee of 1100 HUF (2.8 EUR) and waiting fee. All taxis accept credit cards. At the taxi stands you can find a map showing tariffs. The estimated travel time from the airport to the city centre is 40 minutes, depending on traffic.

TRANSFER FEE: approx. HUF 12000 / EUR 32 (from the airport to the city centre).

Please avoid the risk of using non-regulated taxi service providers soliciting at the terminal buildings.

MINIBUD

CLICK HERE TO REACH WEBSITE

WEBSITE: <u>https://www.minibud.hu/en</u> TELEPHONE: +36 (1) 550 0000

MiniBUD is the official airport shuttle service provider for Budapest Airport, it is a collective taxi with a boarding capacity of 8 to 10 passengers. The mini buses handle transfers between the airport and passenger's accommodation, and the service is available 24/7. MiniBUD airport shuttle services desks can be found at both terminals. Tickets can be purchased at the arrival customs area, at the LRI Airport Passenger Service desk in the waiting area, or online at the company's website. Credit cards are accepted at the desks. The transfer from the airport to the hotel takes approximately 1 hour depending on traffic.

TRANSFER FEE: approx. HUF 12 000 / EUR 32 (from the airport to the city centre)

AIRPORT - CITY CENTRE SHUTTLE BUS SERVICE

NAME: Bus line 100E

CLICK HERE TO REACH WEBSITE

CLICK HERE TO CHECK OUT MOBILE APP

Airport shuttle bus 100E is in operation between Liszt Ferenc International Airport and Deák Ferenc tér, one of Budapest's major transport hubs, running via Kálvin tér, another important location in the city. A special fare applies for the "AIRPORT SHUTTLE BUS SINGLE TICKET" (2200 HUF one way). Tickets can be purchased at the Customer Service Points of BKK Centre for Budapest Transport at the airport's Terminals or via the mobile app.

PUBLIC TRANSPORT

For longer stays BKK offers more convenient travelcards for visitors (24, 48 or 72-hour travel passes).

Please note that tickets are only valid if you have them stamped or punched:

- prior to the start of travel on metro lines M1, M2, M3 and M4 upon entering the station,

- immediately after boarding on other vehicles inside the vehicle.

FOR TICKETS AND PASSES VISIT:

CLICK HERE TO REACH WEBSITE

FOR GENERAL INFORMATION VISIT:

CLICK HERE TO REACH WEBSITE





USEFUL INFORMATION

CREDIT CARDS

Major credit cards can be used to withdraw cash from ATMs in banks and on the streets as well as to pay bills in hotels, restaurants and shops.

EXCHANGING MONEY

All visitors are advised to exchange currency only at accredited places. Individual banks and travel agencies are free to set their own rates, but they must be clearly displayed. Rates offered at bureaux de change in the city centre and near the main railway stations are generally better than those available in the banks, at the airport and in hotels. The Hungarian currency is the forint. There are coins to the value of 5, 10, 20, 50, 100 and 200 Forints, and banknotes for 500, 1.000, 2.000, 5.000, 10.000 and 20.000 forints.

ELECTRICITY

Hungary's electricity network operates at 220/230 Volts and uses Schuko-type sockets with two round prongs.

MEDICAL SERVICE

Participants are advised to make appropriate arrangements for insurance to cover emergency medical, surgical or hospital expenses while in Hungary. General emergency number: 112 Ambulance: 104 Fire service: 105 Police: 107

TIME ZONE

Budapest is on Central European time: GMT+1, Daylight Saving Time (Apr-Oct): GMT+2

About MNB

The primary statutory objective of the MNB is to achieve and maintain price stability, that is, to keep inflation low, thereby securing a stable environment for economic growth in Hungary. As the custodian over the national economy, the Magyar Nemzeti Bank oversees various processes that define the extent of change in consumer prices and interest rates. Processes determining inflation and the stability of the financial system affect all our lives, and their development and predictability greatly influence both our financial resources and safety.

OUR MAIN BUILDING

The impressive building of the Magyar Nemzeti Bank's Buda Centre is located at 55 Krisztina körút in district I., Budapest. The establishment, built in 1998, was purchased by the Bank from Magyar Telekom, Hungary's largest telecommunications provider. The offices were designed to be as energy-efficient and environmentally friendly as possible, while maintaining the basic structure of the building and keeping in mind the requirements of the present times. In the lobby, there is a group of lion sculptures made of coin-like, disc-shaped elements, which hovers above visitors, taking advantage of the high ceilings. The artist is Miklós Gábor Szőke, a sculptor renowned both at home and internationally; his art has always been strongly influenced by animal motifs as well as by the linking of the visual world and the underlying message system captured through symbols.

The lions, welded together one by one from thousands of discs, leap out of a surging money splash upon the earth, towards visitors.

LÁMFALUSSY LECTURES CONFERENCE

The MNB regularly organizes conferences and lectures to facilitate knowledge-sharing among decision-makers, academics and experts on current global economic policy issues. The Lamfalussy Lectures

Conference, named after Baron Alexandre Lamfalussy, "the father of the Euro", is a high-level international conference hosted by the Magyar Nemzeti Bank. It is one of the key fora for European and global thinking on economic policy that provides platform for central bank governors and respected financial professionals to discuss the most urgent and topical issues related to global economic policy, specifically to monetary policy and to the stability of the financial system. The motivation behind the launch of the conference series in 2014 was that the 2008-2009 global financial and economic crisis has shaken the foundation of economics and shed new light on issues that were assumed to have been resolved. In this era of paradigm change, it is crucial for top level national and international economic policy decision-makers to exchange opinions on the newly emerging economic world order and to bring new ideas and perspectives.

Along with launching the international conference, the MNB also established the Lámfalussy Award to recognize outstanding international professional performance and lifetime achievements that influence the MNB's activity and have an impact on international monetary and financial policies. The award is presented annually on the sidelines of the conference. The winners of the Award so far were Ewald Nowotny. former Governor of the Oesterreichische Nationalbank (2014); Benoît Cœuré. President of the Autorité de la concurrence, former member of the Executive Board of the European Central Bank (2015); the BIS - Bank for International Settlements - (2016); Jacques de Larosière, former Managing Director of the IMF (2017); Zhou Xiaochuan, former Governor of the People's Bank of China (2018); Yves Mersch, former member of the Executive Board of the ECB (2019); and Peter Praet, former member of the Executive Board, ECB (2020), Boris Vujčić, Governor of Hrvatska narodna banka (2021), Yi Gang, Governor of the People's bank of China (2022) and Robert Holzmann, Oesterreichische Nationalbank (2023).

BUDAPEST EURASIA FORUM

By the 21st century, it has become obvious that a new world order is in the making. It is characterised by the simultaneous appearance of multilateral cooperation, integration and competition – much of them now taking place in the digital space. The COVID-19 pandemic and its economic fallout have been a source of further turbulence in this increasingly complex word. The epicentre of the ongoing transformation is undoubtedly Eurasia, the fusion of diverse cultures, mindsets and policies. New power hubs in the supercontinent are emerging, underlining the importance of multilateral arrangements and thinking.

Recognizing these changes and the magnitude of their impact on the economy, the Magyar Nemzeti Bank (MNB), the central bank of Hungarv decided to join the global dialogue about the new era and intensify its activities to foster Eurasian cooperation. To that end, a new annual conference, the Budapest Eurasia Forum was launched in 2019. The main purpose of our fully-fledged multidisciplinary agenda is to focus on sustainable development covering various aspects of geopolitics and economic policies of our time. The topics go beyond central banking, and include finance, economy, geopolitics, infrastructure, technology, connectivity, education and culture. Located in the heart of Europe, Hungary and its capital, Budapest are well-positioned to serve as an intellectual hub for experts from various countries and promote cooperation between Europe and Asia. Thus, the Forum intends to bring together leaders and experts from various countries, enhancing people-to-people dialogue, but also serves an even greater purpose: facilitating the achievement of our common goal to boost growth and well-being in a sustainable manner.

MONEY MUSEUM

The Hungarian Money Museum and Visitor Centre, established by the Magyar Nemzeti Bank in 2022, not only presents old money and the history of money in a spectacular way – the experience offered by the exhibition is much more comprehensive and versatile. Visitors take a carefully constructed journey of discovery around the world of money, accompanied by interactive games and spectacular visual displays. The interactive exhibition on the history of money and the operation and future of money management is equipped with the latest museum educational and digital technologies. The 2,400-square-meter exhibition features more than 200 displays and projectors, 54 unique installations, hundreds of square meters of physical graphics and 133 short films to introduce the world of money to all age groups, with a special focus on 12-18-year-olds. The institution also functions as an experience and education center, as the MNB's tasks include developing financial culture and financial awareness. The Money Museum thus became both a Hungarian stronghold of financial education and a prominent member of the international museum world.

PUBLICATIONS

MNB has several regular publications covering various aspects of its work. One of our most significant publications is the quarterly social science journal, the Financial and Economic Review (FER), which has been published for over a decade and has recently been renewed and taken over by Magyar Nemzeti Bank. The FER intends to discuss topics related to social sciences, economics, business and management and their broader fields. One of the medium to long-term goals of the journal is to fulfil a pioneering role in presenting the scientific achievements of Hungary and the region for the outside world. Contribution from the researchers of our partner institutions, either in the form of research papers or book reviews in FER enhances our cooperation as well. Previous issues of the Financial and Economic Review are available on the following link:

CLICK HERE TO REACH WEBSITE

EDUCATIONAL ACTIVITIES

The Magyar Nemzeti Bank is committed to promoting the development of Hungarian higher education and improving the high-quality economics training, research capabilities and financial literacy. To support this goal, the Magyar Nemzeti Bank launched several educational education initiatives and partnerships for knowledge creation within the framework of the implementation of its social responsibility strategy. The Magyar Nemzeti Bank cooperates with about 25 Hungarian higher education institution with the aim of strengthening financial culture, providing scholarships, and renewing and developing modern economic education. The MNB Excellence Scholarship Program is the most comprehensive of these. During the 7 years since its establishment, thousands of students who provided outstanding academic, scientific and community performance in Hungarian and foreign-language bachelor and master's degree in economics, received the MNB Excellence Scholarships.

The most prominent university partners of the Magyar Nemzeti Bank include the Budapest University of Technology and Economics (BME), the Budapest Metropolitan University (METU), the John von Neumann University (NJE) and the University of Debrecen (DE). Within the framework of cooperation with the BME, joint research projects continue with great success in three major workshops (Digitization, artificial intelligence and data age, Green finance and green economy, Higher Education Innovation). In the fall of 2022, the Sustainable Finance Center of the MNB Knowledge Center (MNB Institute) launched a master's degree in economics and finance at the Budapest Campus of the John von Neumann University. The Sustainability and Competitiveness Research Institute was established as a result of the cooperation with Budapest Metropolitan University.



