

Highlights



Since end-January CCAMTAC organized 7 regional in-person workshops in its new office, bringing some 170 officials to Almaty to complement an active program of bilateral technical assistance. Regional workshops promote peer learning and also lead to new interests in technical assistance.

It was great a pleasure to see again many country authorities during the Spring Meetings in Washington DC, including to seek feedback on past delivery and discuss emerging needs.

During a press conference Mr. Jihad Azour, Director of the IMF's Middle East and Central Asia Department, summarized the findings of the economic outlook for the Middle East and Central Asia ([here](#)). The war in Ukraine remains a major source of uncertainty for Caucasus and Central Asia (CCA) countries. On the back of a strong post pandemic recovery, growth in 2022 was supported by a milder than expected contraction of the Russian economy and high oil prices in oil exporting countries as well as large transitory inflows of labor, capital, and migrants. However, as the impact of some of these spillovers fades, the IMF expects GDP growth in the CCA to slow this year to 4.2 percent. The broader IMF World Economic Outlook is published [here](#).

The next CCAMTAC Steering Committee meeting for members and development partners will be held in Armenia during June 15-16. I am looking forward to meeting many partners in person and strengthening our cooperation in capacity development.

For more information on CCAMTAC and its activities, please check <https://ccamtac.imf.org>.

Norbert Funke, Director, CCAMTAC, nfunke@imf.org



Recent Activities by Workstream

Macroeconomic Frameworks

Regional activity: DSGE Club (February 17, 2023). The club continues to bring together officials from the CCAMTAC region who would like to learn to develop and implement Dynamic Stochastic General Equilibrium (DSGE) models in public institutions for practical advising of economic policies. During the 4th session, participants learned about designing and deriving a DSGE model from the first principles, building on the empirical evidence they collected during the previous session. A guest speaker from the Ministry of Finance of Armenia discussed the fiscal multipliers in Armenia and empirical strategies for their estimation.

Mongolia: Scoping mission (March 6 – 10, 2023). CCAMTAC's regional advisor conducted a stock-taking mission to the Bank of Mongolia. The mission reviewed the existing nowcasting and near-term forecasting (NNTF) processes, tools, data, human and IT resources with the aim to identify opportunities for improving the system's accuracy in forecasting GDP growth and CPI inflation. The Bank owns a well-functioning NNTF practice. In cooperation with the authorities, the mission proposed ways for further strengthening the system's accuracy by introducing new algorithms and expanding the use of real-time data.

Kyrgyz Republic: Macroeconomic frameworks (March 13 – 29, 2023). CCAMTAC's regional advisor and a short-term expert conducted a technical assistance mission to the National Bank of Kyrgyz Republic (NBKR). The mission reviewed and validated the performance of NBKR's central quarterly projection model – key quantitative tool that supports the formulation of NBKR's inflation targeting policy.

Revenue Administration



Regional Workshop: Revenue Administrations – understanding compliance risk management (January 30 – February 1, 2023). This face-to-face workshop, in Almaty, Kazakhstan, focused on developing understanding of compliance risk management (CRM) and introduced the concept of peer networking as a mechanism for future sharing of local experience and technical assistance. The workshop was delivered over three days and 24 officials from all nine CCAM member tax administrations participated. CCAMTAC training facility technology enabled hybrid participation for officials online and offline. Participants were provided with an understanding of the strategic role of CRM, the risk management process itself, and the importance of data and data management. There were sessions explaining organizational and governance arrangements and emphasizing the role of headquarters in managing compliance risks. Pre-reading issuing with the workshop agenda included a case study which supported two group activities and reporting back in plenary.

Kazakhstan: Tax Administration Diagnostic Assessment Tool (TADAT) (February 6 – 21, 2023). A joint TADAT mission to the State Revenue Committee (SRC) of the Republic of Kazakhstan was conducted by the World Bank, Asian Development Bank (ADB) and IMF CCAMTAC. In the course of this assessment, SRC officials requested the CCAMTAC advisor to make a presentation on compliance risk management (CRM) following on a recent CCAMTAC regional workshop on this topic held from January 30 to February 1, 2023, in Almaty. The significance of tax gap analysis,

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environmental scans, risk registers and compliance improvement plans supporting the effective identification, prioritization, and treatment of compliance risks were further explained.

Georgia: Tax Administration (February 6 – 21, 2023). An in-person mission to evaluate progress of tax reform in the Revenue Service of Georgia (GRS) was conducted by the IMF Fiscal Affairs Department (FAD) and CCAMTAC. Areas of compliance risk management (CRM), Large Taxpayers' Office (LTO), debt management, filing compliance, tax audit and risk analysis were the focus of the mission. The team also assessed options to adopt a more strategic approach to revenue mobilization efforts using the Medium-Term Revenue Strategy (MTRS) framework. Workshops with relevant GRS staff were delivered on: (i) practical tax audit issues; (ii) measuring and analyzing audit efficiency and developing building blocks for an Audit Intervention Model (AIM); (iii) the main principles of CRM and benefits of cross departmental cooperation in the GRS.

Armenia: Tax Administration (February 13 – 24, 2022). The purpose of this CCAMTAC in-country assignment was to advise the State Revenue of the Republic of Armenia (SRC) on the design, creation, and implementation of international good practices for the identification of international tax risks and transfer pricing risk analysis. A series of workshops were provided to the SRC's Transfer Pricing Unit (TPU) on the use of systemic risk approaches to identify and assess non-compliant multinational enterprises. A nine step 'roadmap' plan was recommended to implement a range of practice improvements for the TPU.



experience and expertise, over time.

Regional Workshop: Tax Administration Diagnostic Assessment Tool (TADAT) (April 3 – 6, 2023). This four-day in-person regional workshop was hosted by CCAMTAC jointly with the Tax Administration Diagnostic Assessment Tool (TADAT) Secretariat, aiming to enhance CCAM member tax administrations' knowledge on TADAT methodology and the process to request TADAT assessments. It was also designed to raise awareness of internationally recognized good practices and encourage regional sharing of tax administration

Public Financial Management

Kazakhstan: Enhancing the Fiscal Risk Statement (February 7 – 17, 2023). An in-person mission to the Ministry of National Economy (MoNE), led by a short-term expert, assisted the authorities in enhancing their Fiscal Risks Statement (FRS) to include fiscal risks from the quasi-government entities (QGEs) sector. In line with the amendments to the Budget Code, and with earlier support from FAD and CCAMTAC, the authorities published in September 2022 their first-ever FRS, which focused on macro-economic fiscal risks. Following their workplan, the authorities now aim to expand the next edition of the FRS, due in September 2023, to cover fiscal risks from the QGEs sector. With MoNE and the Economic Research Institute (ERI), the mission in detail went through the proposed content of the FRS section on QGEs, identified information needs and sources, and drafted a template for the report. The mission also provided training on the use of the FAD's State-Owned Enterprise Health Check Tool (SOE-HCT).

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Regional Workshop: Digitalization of Public Finance and Digital Public Infrastructure (April 11 – 13, 2023). In cooperation with the Swiss State Secretariat for Economic Affairs (SECO) eight CCAM countries and officials from Pakistan participated. The workshop provided the participants with a broader understanding of opportunities, strategic issues, and key enablers for digitalizing Public Finance and the possibility to share knowledge on digital public infrastructure (DPI) initiatives supporting the transformation of public finance.

Uzbekistan: Further integration of macro and fiscal models (February 28 – April 30, 2023). Following the April 2022 TA, the mission team helped the Macroeconomic and Fiscal Analysis Department of the Ministry of Finance to enhance the fiscal spreadsheet model and develop an in-year fiscal monitoring framework. Experts also advised the authorities on issues relating to the integration between the fiscal spreadsheet model and the macroeconomic projections tool that it intends to develop.

Regulation and Supervision



from Supervision including the staff from specialized risk division.

Georgia: IFRS9: Phase III - PII Capital Add-Ons and CET-1 Additional Capital STX (April 3 – 7, 2023). An in-person mission was conducted to provide support for the National Bank of Georgia (NBG) for its IFRS9 rollout. The mission included a one-day follow-up discussion with covering the ECL components with the remaining four days dedicated to the Pillar II capital adjustments and CET-1 additional capital calculations. Specific topics included Pillar II internal control and accounting risks, scoring framework within Pillar II as well as IFRS9 reporting frameworks. Some 20 plus staff joined the sessions



Regional Workshop: Enhancing Supervisory Decision-Making Process (April 19 – 21, 2023). This first in person high-level CCAMTAC Banking Regulation and Supervision regional workshop focused on the achievements and challenges in implementing Risk-Based Supervision (RBS) and strengthening the knowledge and capacity of supervisors in the region by identifying, measuring, and assessing risks. Some 19 participants with supervision background and responsibilities joined the workshop from central banks from nine member countries. The presentations shed light on a full scope of RBS processes and Pillar II integration issues and outlined the recent developments in international standards. Experts also provided in depth analysis of various elements of a comprehensive RBS framework including risk identification, measurement, and assessment within the RBS operational flows together with key elements of a successful Pillar III integration to the overall RBS processes. The highlight of the workshop was the presentations made by the member countries. Spread over three-days, member countries in three separate plenaries presented details of their regulatory and supervisory frameworks,

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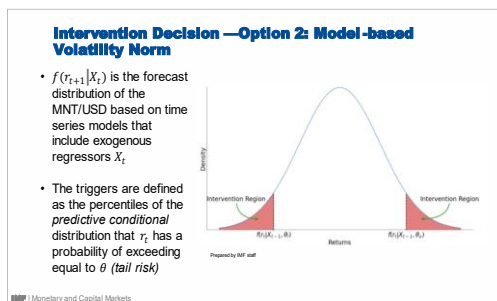
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explaining the methodologies they utilize to assess risks in their jurisdictions. Several jurisdictions also presented their integration of the Pillar II and supervisory review process into their supervisory frameworks.



Kyrgyz Republic: Credit Risk – Standardized Approach (April 24 – 28, 2023). An in-person engagement with the National Bank of the Kyrgyz Republic was conducted during the final week of April. This engagement was the second and final leg of the planned discussions surrounding credit risk, standardized approach utilized by the authorities. Discussions involved the further alignment opportunities of the existing regulations with Basel standards and included discussions with supervision and policy staff of the authority.

Monetary and Foreign Exchange Operations



Regional Workshop: Tool to Model Foreign Exchange Interventions (February 7, 2023). To support regional central banks in enhancing their FX policy implementation CCAMTAC together with IMF Monetary and Capital Markets Department (MCM) conducted a virtual workshop. The workshop aimed to familiarize participants from central banks with the new tool to model the foreign exchange interventions (FXI). Experts familiarized participants with the methodology of the tools and its applicability to real

case. Extensive discussions touched upon technical features of the model, intervention decision: historical versus predictive conditional norm, conditional volatility modelling, how to select the model and its combinations and demonstration of the tool in Python package. Expert presented the tool using FXI cases in Mongolia. The workshop aimed to give a push for further bilateral cooperation with CCAM central banks on FX issues.

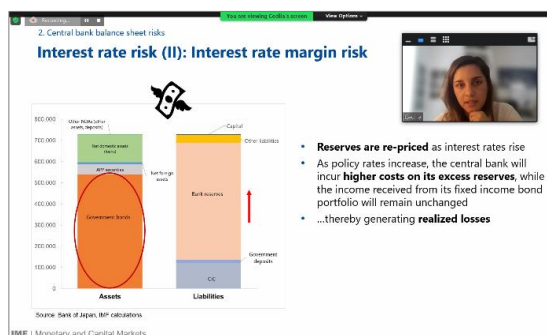


Regional Workshop: Monetary Operations and Central Bank Money (March 13 – 15, 2023). This was the first in-person workshop in the monetary operations area since the opening of the CCAMTAC. The workshop was focused on new concepts of digital money and their implications on monetary policy, delivered by MCM, the CCAMTAC advisor and an expert. Overall, 23 central bankers from nine countries attended the workshop and participants from each country shared their experience and challenges. Sessions covered issues on recent trends and challenges

in monetary policy implementation, digital money and its implications on central bank operations and balance sheet. Extensive discussions revolved around new forms of money, how they may impact central bank operations, seigniorage, transactional velocity of digital money, potential implication of financial innovations on cash in circulation and M0, M1 and M2 monetary aggregates. Each presentation was followed by engaging discussions among participants.

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Regional Workshop: Central Bank Balance Sheet and Refinancing Operations (March 28 – 30, 2023).

The virtual workshop was delivered to CCAM central bankers for three days and included six lecture sessions and a session with country presentations from the region. It touched upon conceptual issues of central bank balance sheets (CBBS), implications of expansionary monetary policy on the CB balance, key aspects of CB refinancing operations, motivations for asset purchasing programs in some countries, etc.

MCM experts presented recently developed tool for central bank balance sheet stress testing and demonstrated how it can be used. Participants from central banks of the Kyrgyz Republic, Uzbekistan, and Mongolia shared their experience for peer-discussions. Extensive discussions touched upon the monetary operations costs, approaches to central bank lending and LTRO type operations, effectiveness of QE/QT and implications on the CBBS. The presentations were followed by engaging discussions among the participants. Overall, about 25 officials from central banks of eight countries participated at the workshop.

Uzbekistan: REPO market development (April 3 – 28, 2023). The hybrid mission assisted the Central Bank of Uzbekistan in its efforts to develop the interbank repo market. The mission provided a diagnostic of the current repo framework, discussed main findings and recommendations to deepen this segment of the money market. Recommendations overall are grouped: (i) to improve overall repo framework; (ii) to revise and draft legislation related to repo, and (iii) to strengthen trading and settlement. During the mission the CBU already introduced some of recommendations to facilitate repo transactions.

Government Finance and Public Sector Debt Statistics



Tajikistan: GFS& PSDS (April 24 – May 5, 2023). The mission assisted the authorities in: (i) finalizing and preparing for dissemination annual GFS time series for central government; (ii) expanding the time series for PSDS; and (iii) preparing the compilation processes documentation. On request from the authorities, the mission delivered a tailor-made training on GFS and PSDS. One day was devoted to the raising awareness on GFS and PSDS issues for the middle and higher management of the Ministry of Finance. Four days focused on increasing technical staff capacities. The

mission also met with the Minister of Finance to discuss the possibilities of starting regular transmission and dissemination of annual GFS data via the IMF database.

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Real Sector Statistics



Uzbekistan: National Accounts (February 6 – 17, 2023). The mission assisted the Agency on Statistics under the President of the Republic of Uzbekistan (SA) in developing the annual supply and use tables (SUT) and improving estimates for the non-observed economy (NOE). The mission recommended that the SA conducts surveys on NOE for specific services such as trade, transport, education, healthcare, and other professional services. The SA plans to compile the SUT for 2021 at both current and constant prices.

Uzbekistan: Price Statistics (February 13 – 17, 2023). The primary objective of the remote mission was to continue assisting the SA with improving current PPI methods and expanding index coverage. Key mission outcomes included: (i) assessing progress to date in implementing recommendations for improvement made during the previous mission; (ii) clarifying methods to include small establishments; (iii) discussing compilation issues with the experimental PPI for agriculture; (iv) identifying methods for compiling a PPI for construction; and (v) addressing PPI compilation issues noted by the authorities.

Georgia: National Accounts (February 6 – 17, 2023). A remote TA mission assisted the National Statistics Office of Georgia in improving the accuracy of quarterly national accounts (QNA) and the monthly indicator of economic growth (MIEG). Improved methods for compiling volume measures of some QNA aggregates were introduced and the annual overlap technique in chain-linking was applied. Quarterly GDP time series since 2010 were recompiled and are expected to be disseminated in November 2023. The accuracy of MIEG was improved too, bringing it closer to the methods used in the QNA.

Kazakhstan: National Accounts (February 20 – March 3, 2023). An in-person mission assisted the Bureau of National Statistics (BNS) of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan in developing the discrete quarterly estimates of GDP by expenditure (GDPE). During the mission, BNS staff compiled chain-linked time series for each GDPE component by applying the annual overlap technique. The mission recommended that the BNS improves the compilation of several indicators such as cultivated biological assets, military expenditures, and price indices for deflating certain types of changes in inventories. After resolving these issues, the next step will be to reconcile the quarterly estimates of GDP by production (GDPP) and GDPE and improve the compilation of the non-observed economy.

Azerbaijan: Price Statistics (February 20 – 24, 2023). A follow-up remote TA mission assisted the State Statistical Committee (SSC) of the Republic of Azerbaijan with the further development of its export and import price indices (XMPIs). The SSC has moved the data from Excel to a newly developed software platform that includes routines for the compilation of XMPIs, treatment of missing values, and quality adjustment. The SSC has compiled export price indices (XPIs) for crude petroleum, natural gas, and gold. A strategy was developed for the future development of the more difficult area of import price indices (MPIs), that would benefit from the software and experience gained from compiling XPIs.

Kazakhstan: National Accounts (April 3 – 14, 2023). A follow up in-person TA mission assisted the BNS in continuing the development of quarterly GDP on a discrete basis. Following the previous TA

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mission's recommendations, the BNS compiled quarterly estimates of GDP by production (GDPP) and expenditure (GDPE). The current mission reviewed discrepancies between GDPP and GDPE and identified their causes. A short version of the supply and use tables (SUT) at the section level of European classification of economic activities (NACE Rev.2) has been made for the first quarter of 2015 to eliminate a statistical discrepancy. The mission recommended that the BNS uses such analysis to eliminate discrepancies for other quarters as well. The BNS plans to disseminate the quarterly GDP estimates by October 2023.

Regional Activities

To promote topics beyond its core workstreams and strengthen peer learning, the Center organized a number of regional events, including in-person workshops, webinars, and research seminars.

Workshops

Balance of Payments and International Investment Position (IIP) Statistics (February 16 – 24, 2023). The workshop was part of a special blended training program developed by IMF's Statistics Department's (STA) Balance of Payments in close collaboration with the Institute for Capacity Development (ICD). The main purpose of the workshop was to train staff with limited experience in external sector statistics. Given macroeconomic interrelations, external sector statistics also play an important role for CCAMTACs two other statistics workstreams. The workshop program combined online self-paced material set on the edX platform with instructor-led live sessions delivered in Zoom in Russian. Twenty-six officials representing seven countries attended the workshop.



Tax Expenditures (March 6 – 8, 2023). The IMF FAD and CCAMTAC hosted a regional workshop in Almaty, to build capacity in estimating and publishing tax expenditures (TEs) in the region. 25 officials from nine countries attended the workshop. A set of slides and template models were provided to the participants mainly covering (corporate and personal) income taxes and the value-added tax (VAT). Specific topics included: the 'benchmark tax system', data requirement, estimation techniques, microsimulation models, evaluation of TEs, current practices of TEs in the region, and the establishment of a

tax policy unit. Presentations by the workshop experts provided general guidance while discussions during nine presentations by the authorities addressed country-specific issues at a high-level and fostered peer-to-peer learning.

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Thinking Through Central Bank Digital Currency (CBDC) (March 27 – 29, 2023). A workshop was delivered in person with virtual participation of some IMF staff and guest speakers. The target audience consisted of mid-level officials working in the payment, legal, technology, monetary policy, and financial stability departments, and in positions with similar responsibilities at the central banks in the region of CCA. The workshop team provided introductory information about the basic elements of CBDC, from an economic, legal, and technical perspectives, as well as current trends. Some participants

contributed by sharing their central bank's views and progress on CBDC, strengthening the capacity building of central banks of the region in this area.

Outreach Seminar



Digital Tenge (February 9, 2023). CCAMTAC in cooperation with the National Bank of Kazakhstan (NBK), hosted the first hybrid half-day outreach seminar in the CCAMTAC office in Almaty, which was attended by more than 100 offline and online participants from the region. The event was opened by Madina Abylkassymova, Chairperson, Agency for Regulation and Development of the Financial Market in Kazakhstan and Aliya Moldabekova, Deputy Governor, National Bank of Kazakhstan. The session focused on the development of NBK's CBDC - Digital Tenge and possible implications

for monetary and financial policies. The Digital Tenge team went into detail about the background, progress and next steps in developing the Digital Tenge and gave comprehensive answers to questions from the audience and virtual participants. The team reiterated its openness to peer exchanges with colleagues from other countries. For detailed information [click here](#).

Webinar



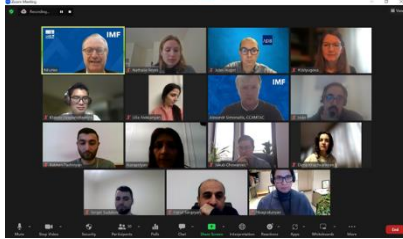
Supporting Development of Financial Innovation and Fintech Sector (March 2, 2023). Fintech encompasses many categories including payments, financial management, crypto assets, crowd financing, insurance, and innovations in the credit sector. While it increases efficiency and facilitates the user interface, fintech can also raise some supervisory and regulatory challenges. During the webinar, experts from Polish Financial Supervision Authority (UKNF) shared how the authorities

accommodate new financial innovations and promotes fintech education among the population. UKNF ensures legal and regulatory certainty about products that are offered by the fintech companies. During the intervention a representative from the National Bank of Georgia explained how Georgia's supervisor has responded to the new opportunities and potential challenges associated with fintech development. For detailed information [click here](#).

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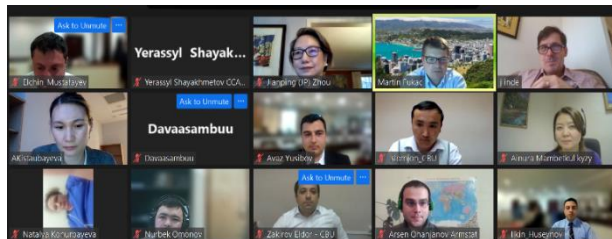
Research / Analytical Seminars



Raising Armenia's Export Performance (February 2, 2023).

The IMF staff presented their research paper that considered ways in which Armenia could further raise its exports. This could improve country's long-term growth prospects, which is critical to increase the number of jobs in the economy, achieve higher living standards, and slow down or stop emigration. Authors of the paper provided an overview of Armenia's export performance and analyzed factors

and policy variables that affect export performance and its composition. Based on a detailed analysis of export data and empirical analyses based on a gravity model and panel regressions, the research suggested that Armenia should focus on products with higher complexity to sustainably increase Armenia's growth rate. In this regard, research team provided some relevant policy recommendations. A representative from ADB complemented the presentation by focusing on recent changes in Armenia's trade policy, based on [ADB's paper on the impact of tariff changes on Armenia's foreign trade](#), and opportunities. For detailed information [click here](#).



An Estimated DSGE Model for Integrated Policy Analysis (February 23 and March 9, 2023).

Observing a growing demand for CD in developing a DSGE model among the officials in the CCAM region, the IMF's Monetary and Capital Markets Department's (MCM) team shared their knowledge in developing an

estimated model for an integrated policy analysis that is based on [Adrian et al. \(2021\)](#) quantitative model, which draws on the conceptual model by Basu et al. (2020). During two sessions MCM senior economists elaborated on the main assumptions and specifications of the model, as well as estimations results for both advanced and emerging economies, including Kazakhstan. They also talked about the importance of adding supply-side shocks to the model and plans related to the extension of the model. The subsequent discussion focused on technical aspects of the presented estimated DSGE model. The 2-day seminar attracted a large number of officials from the region, who highly valued profound technical presentation on such a demanding topic. For detailed information [click here](#).



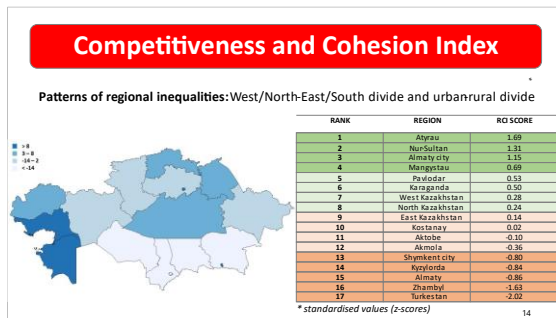
The Labor Market in Kazakhstan: On the Way to a Digital Reality (March 16, 2023).

In light of emerging trends, the Ministry of Labor and Social Protection of Population of Kazakhstan released [a national report](#) that explored how digitalization transforms the domestic labor market. Moreover, the study went beyond the concept of the labor market, as it considered the scale of digitalization of economies across the world and Kazakhstan overall, as well as individual industries, and discussed the existing

barriers and possible solutions to succeed in the digital race. In his presentation, a co-author of the report gave a profound overview of the structure of the labor force, employment, and digitalization trends observed in Kazakhstan. During the intervention, a labor market expert from the World Bank confirmed that the organization works closely with the Ministry of Labor of Kazakhstan and gave her perspective on some important findings of the study. For detailed information [click here](#).

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Measuring Regional Inequality in Kazakhstan (March 30, 2023). To learn more about regional inequalities, the Asian Development Bank (ADB) commissioned a series of studies to benchmark the nature and features of inequalities among Kazakhstan’s regions (oblasts). The latest of these studies involved the compilation and analysis of the first wellbeing survey for the regions of Kazakhstan. The main findings of this study were presented during the research seminar. The main co-author of the

research paper highlighted the global trends in income inequality observed around the world and talked in detail about several indices that estimated income and social inequality in Kazakhstan from various dimensions, confirming a prominent spatial inequality existing in the country. As a result of the analysis, ADB was able to provide useful policy recommendations that can help to fulfill economic potential of Kazakhstan. Commenting on the findings of the ADB study, the sustainable urban development expert and university associate professor elaborated on some other indicators measuring regional inequality. For detailed information [click here](#).

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Appendix I: CCAMTAC Implementation in February 2023 – April 2023 and Indicative Work Plan for May - July 2023

Country	Topic	Modality	Start date	End date	Resources
ICD Macroframeworks					
Regional	DSGE Modelling Club	DB	17-Feb-23	17-Feb-23	Fukac, Martin
Mongolia	Scoping mission	DB	6-Mar-23	10-Mar-23	Fukac, Martin
Kyrgyz Republic	QPM review and validation	DB	13-Mar-23	29-Mar-23	Fukac, Martin Tvrz, Stanislav Rao, Nasir
Mongolia	Macroeconomic Frameworks	FB	29-May-23	9-Jun-23	Fukac, Martin
Uzbekistan	Macroeconomic Frameworks	FB	26-Jun-23	6-Jul-23	Fukac, Martin STX
Uzbekistan	Macroeconomic Frameworks	FB	3-Jul-23	14-Jul-23	Fukac, Martin STX
FAD-Rev					
Regional	Tax Administration	WSH	30-Jan-23	1-Feb-23	Topping, Gregory
Kazakhstan	TADAT mission	FB	6-Feb-23	21-Feb-23	Topping, Gregory
Georgia	Tax Administration	FB	6-Feb-23	21-Feb-23	Knudsen, Martin McLaughlin, Lucilla McCutchan, Phillip
Armenia	Tax Administration	FB	13-Feb-23	24-Feb-23	Box, John Anthony Smith, Cameron
Regional	Tax Administration Diagnostic Assessment Tool (TADAT)	FB	3-Apr-23	6-Apr-23	Acedo, Jimena Hawkes, Gordon Donald
Armenia	Scoping mission	FB	13-Jun-23	14-Jun-23	Topping, Gregory
Georgia	Risks Enterprise Risk Management	FB	10-Jul-23	18-Jul-23	Laponin, Aare
Regional	Tax Administration International survey on Tax Administration (ISORA)	WSH	31-Jul-23	31-Jul-23	Topping, Gregory
FAD-PFM					
Kazakhstan	2023 FRS Preparation	FB	7-Feb-23	17-Feb-23	Barry, Phil

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Uzbekistan	Further integration of macro and fiscal models	DB	28-Feb-23	30-Apr-23	Symansky, Steven
Regional	WSH on Digitalization	WS	11-Apr-23	13-Apr-23	Tcheshvili, Nino STX
Kazakhstan	Enhancing the FRS	FB	24-Apr-23	5-May-23	Stella, Peter
Armenia	Fiscal reporting	FB	1-May-23	10-May-23	STX
Kyrgyz Republic	Macro-Fiscal Policies	FB	24-May-23	2-Jun-23	STX
Georgia	Fiscal Risks	FB	3-Jul-23	18-Jul-23	TBD
MCM Supervision					
Georgia	IFRS9: Phase III - PII Capital Add-Ons and CET1 Additional Capital	FB	3-Apr-23	7-Apr-23	Guner, Serdar Ahmet Joret, Florence Marie-Christine
Regional	Risk Based Supervision Workshop	WS	19-Apr-23	21-Apr-23	Guner, Serdar Ahmet Jociene, Aldona Ball, Alan
Kyrgyz Republic	Based Supervision Enhancements	FB	24-Apr-23	28-Apr-23	Guner, Serdar Ahmet
Mongolia	Risk Based Supervision Methodology Development	FB	1-May-23	25-May-23	Guner, Serdar Ahmet
Regional	Peer-to-Peer (P2P) Engagement in Licensing	WS	24-May-23	26-May-23	Guner, Serdar Ahmet
Regional	FinTech WSH	WS	29-May-23	2-Jun-23	Guner, Serdar Ahmet
Kyrgyz Republic	Risk based Supervision Enhancements	FB	10-Jul-23	21-Jul-23	Guner, Serdar Ahmet
MCM MonOps					
Regional	Modelling FXI	DB	7-Feb-23	7-Feb-23	Aidarova, Altynai, Chen, Zhuohui
Regional	Workshop	WS	13-Mar-23	15-Mar-23	Aidarova, Altynai, Castillo, Paul B. Singh, Manmohan
Regional	Workshop on Central Bank Balance Sheet and Refinancing Operations	DB	28-Mar-23	30-Mar-23	Aidarova, Altynai, Gray, Simon, Melo Fernandes, Cecilia, Sakurai
Uzbekistan	REPO market development	FB DB	03-04-2023 24-04-2023	07-04-2023 28-04-2023	Aidarova, Altynai Comotto, Richard Laliashvili, Giorgi
Kyrgyz Republic	Fine-tuning Operations	FB	8-May-23	19-May-23	Aidarova, Altynai, Singh, Manmohan, STX MCM
Tajikistan	Enhancing MonOp	FB	22-May-23	2-Jun-23	Aidarova, Altynai, HQ

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Mongolia	Mission on CB operations	FB	3-Jul-23	14-Jul-23	Aidarova, Altnai
STA Fiscal					
Tajikistan	GFS mission	FB	24-Apr-23	5-May-23	Jablonska, Ivana
Regional	Regional Workshop	WS	10-Jul-23	14-Jul-23	Jablonska, Ivana, Dubinina, Irina
STA Real					
Uzbekistan	TA - 2008 SNA	FB	6-Feb-23	17-Feb-23	Gogoberishvili, Levan
Uzbekistan	TA - PPI - XMPI	DB	13-Feb-23	17-Feb-23	Karsaulidze, Levan
Georgia	TA-NA-HFI	DB	13-Feb-23	24-Feb-23	Mantcheva, Maria
Kazakhstan	GDP	FB	20-Feb-23	3-Mar-23	Gogoberishvili, Levan
Azerbaijan	TA - GDP	DB	20-Feb-23	24-Feb-23	Silver, Michael Stanley
Kazakhstan	GRP	FB	3-Apr-23	14-Apr-23	Gogoberishvili, Levan
Kazakhstan	GRP	FB	22-May-23	2-Jun-23	Gogoberishvili, Levan
Tajikistan	GRP by expenditure	FB	22-May-23	2-Jun-23	Shaboyan, Artashes
Uzbekistan	National accounts	FB	22-May-23	26-May-23	Mantcheva, Maria
Georgia	Real Sector - Prices	FB	26-Jun-23	30-Jun-23	Jens Mehrhoff
Kyrgyz Republic	TA - National Accounts	FB	26-Jun-23	7-Jul-23	Gogoberishvili, Levan
Uzbekistan	TA - National Accounts	FB	26-Jun-23	7-Jul-23	Gogoberishvili, Levan
Kazakhstan	Real Sector - Prices	FB	10-Jul-23	14-Jul-23	STX
Regional	Regional workshop on high frequency indicators	WS	17-Jul-23	21-Jul-23	Gogoberishvili, Levan Mantcheva, Maria
CCAMTAC Events					
Regional	External Sector Statistics	DB/ FB	January 30 - online February 15 -live		HQ
Regional	Research Seminar:Raising Armenia's Export Potential	DB	2-Feb-23	2-Feb-23	Funke, Norbert Kistaubayeva, Aliya
Regional	Digital Tenge Outreach session	DB	9-Feb-23	9-Feb-23	Funke, Norbert Kistaubayeva, Aliya
Regional	An Estimated DSGE Model for Kazakhstan for Integrated Policy Analysis	DB	23-Feb-23 9-Mar-23	23-Feb-23 9-Mar-23	Funke, Norbert Kistaubayeva, Aliya
Regional	Support for Financial Innovation and Fintech	DB	2-Mar-23	2-Mar-23	Funke, Norbert Kistaubayeva, Aliya

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Regional	Tax Expenditures	FB	6-Mar-23	8-Mar-23	Hebous, Shafik Chandler, William
Regional	Digitalization in Labor Market of Kazakhstan	DB	16-Mar-23	16-Mar-23	Funke, Norbert Kistaubayeva, Aliya
Regional	Thinking Through Central Bank Digital Currency	FB	27-Mar-23	29-Mar-23	Zhabska, Kateryna Lannquist, Ashley
Regional	Measuring Regional Inequality in Kazakhstan	DB	30-Mar-23	30-Mar-23	Funke, Norbert Kistaubayeva, Aliya
Regional	Outreach: Regional Economic Outlook (in-person)	FB	12-May-23	12-May-23	Lall, Subir,
Regional	Research Seminar: Seigniorage and Currency-in-Circulation (in a digital era)	DB	18-May-23	18-May-23	Singh, Manmohan Kistaubayeva, Aliya Abilov, Nurdaulet
Regional	Webinar: Regional Economic Outlook (conjunctural and analytical chapters)	DB	23-May-23	23-May-23	Funke, Norbert Kistaubayeva, Aliya
Regional	Webinar: Developing Social Safety Nets	DB	22-Jun-23	22-Jun-23	IMF FAD, UNICEF Kistaubayeva, Aliya

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Useful links:

[IMF press release on the opening of CCAMTAC](#) (February 1, 2021)

[IMF press release on CCAMTAC's signing ceremony](#) (December 24, 2020)

[IMF.org/CapDev](https://www.imf.org/CapDev)

[IMF network of Regional Capacity Development Centers \(brochure\)](#)

[IMF network of Regional Capacity Development Centers \(map\)](#)

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[CCAMTAC website](#)