## [Online] Appendix I. Management Engagements and IMF Research on Trade

This Appendix expands on Box 5 of the IMF Review of the Role of Trade in the Work of the Fund to provide a more exhaustive list of IMF Management engagements on trade, as well as trade-related research outputs during the review period (2014–2022).

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## I. HIGH-LEVEL EVENTS, PRESENTATIONS, AND SPEECHES

#### A. Events

- July 2022. Heads of Agency session at the WTO Aid for Trade Global Review.
- April 2022. "Preserving Open Trade: Subsidies, Geopolitics, and International Cooperation" – Joint IMF-World Bank-WTO-OECD Panel.
- March 2021. High level plenary at the WTO Aid for Trade Stocktaking Event.
- October 2019. "Greater Coherence in Global Economic Policy-Making: The Case of WTO Accession" – Joint IMF-World Bank-WTO Conference.
- April 2019. "Leveraging Trade to Reduce Poverty" Joint panel discussion with the World Bank.
- February 2019. "Reinvigorating Global Cooperation" and "Globalization Redux: How the trade wars could have a good outcome?" Panels at the Munich Security Conference.
- October 2018. "How Global Trade Can Promote Growth" Joint IMF-World Bank-WTO-OECD conference.
- October 2017. IMF Research Conference on Globalization.
- September 2017. Opening plenary session at the WTO Public Form.
- March 2017. "Mini-Conference on the North American Free Trade Agreement" IMF Conference.
- October 2016. "Making Trade an Engine for Growth for All" Annual Meetings Seminar.

## **B.** G-20 Working Group and APEC Presentations

- March 2022. Presentation by International Organizations to the G20 Trade, Investment and Industry Working Group. "Recent Developments and the Outlook for Macroeconomic Growth, Trade, and Investment".
- September 2021. Presentation by International Organizations to the G20 Trade and Investment Working Group. "Recent Developments and the Outlook for Macroeconomic Growth, Trade, and Investment".
- August 2019. APEC Workshop on Tariffs. "Adjusting to Trade and Technology".

- April 2019. Presentation by International Organizations to the G20 Trade and Investment Working Group. "Current Macroeconomic, Trade and Investment Outlook".
- July 2016. Note for Ministers and Governors for the July G-20 Ministerial. "Reinvigorating Trade to Support Growth: A Path Forward".
- March 2016. Note for G20 Framework Working Group (jointly prepared with the World Bank). "Prospects for Global Trade".

#### C. Executive Board Presentations

- May 2021. Trade Policy: Fit for a Post-pandemic Recovery?
- October 1, 2020. Developments in Global Trade Policy: Broadening Conflict May Hinder Recovery.
- February 2019. Key Developments in the Global Trading System.
- November 11, 2019. Developments in Global Trade Policy: Accelerating Risks for the Global Economy.
- September 2018. A Positive Agenda for Trade to Bolster Global Growth.

## **D.** Management Speeches and Opinion Pieces

- December 2018. "Why a New Multilateralism Now?" Remarks by First Deputy Managing
  Director David Lipton at the Bloomberg Global Regulatory Forum (December 2018)
- July 2018. "<u>The Global Expansion: Still Strong but Less Even, More Fragile, Under Threat,</u>"
   IMF Blog by Maury Obstfeld.
- April 2018. "Fix the Roof While the Window of Opportunity is Open: Three Priorities for the Global Economy," Remarks by Managing Director Christine Lagarde at the University of Hong Kong.
- April 2018. "Global Economy: Good News for Now but Trade Tensions a Threat," IMF Blog by Maury Obstfeld.
- October 2016. "<u>How to Make Trade Work for Everyone</u>," op-ed by Christine Lagarde, Jim Yong Kim, and Roberto Azevedo.
- June 2016, <u>Remarks</u> by First Deputy Managing Director David Lipton at the Bretton Woods Committee Annual Meeting

#### II. FLAGSHIP AND G-20 REPORTS

#### A. World Economic Outlook

- April 2022. Chapter 4: "Global Trade and Value Chains in the Pandemic".
- October 2019. Chapter 1, Sections: "<u>Risks: Skewed to the Downside</u>" and "<u>Policy Priorities</u>" (pp. 19-24).
- October 2019. Scenario Box 1.1: "<u>Implications of Advanced Economies Reshoring Some</u> Production".
- October 2019. Scenario Box 1.2: "Trade Tensions: Updated Scenario".
- April 2019. Chapter 3: "The Price of Capital Goods: A Driver of Investment Under Threat?".
- April 2019. Chapter 4: "The Drivers of Bilateral Trade and the Spillovers from Tariffs".
- October 2018. Chapter 1, Section: "Risks" (pp. 20-21) and Scenario Box 1: "Global Trade Tensions".
- July 2018. Update: "Less Even Expansion, Rising Trade Tensions".
- April 2018. Box 3.2: "The Rise of Services Trade".
- April 2018. Chapter 4: "Is Productivity Growth Shared in a Globalized Economy?".
- October 2017, Box 1.4: "Macroeconomic Adjustment in Emerging Market Commodity Exporters".
- April 2017. Box 2.3: "<u>The Evolution of Emerging Market and Developing Economies' Trade Integration with China's Final Demand</u>".
- April 2017. Chapter 3: "<u>Understanding the Downward Trend in Labor Income Shares</u>".
- October 2016. Chapter 2: "Global Trade: What's behind the Slowdown?".
- July 2016, Update: "<u>Uncertainty in the Aftermath of the U.K. Referendum</u>".
- October 2015. Chapter 3: "Exchange Rates and Trade Flows: Disconnected?".
- April 2015. Box 1.2: "<u>Understanding the Role of Cyclical and Structural Factors in the</u>
   Global Trade Slowdown".

October 2014, Chapter 4: "Are Global Imbalances at a Turning Point?".

#### **B.** Fiscal Monitor

- April 2020. Chapter 3: "State-Owned Enterprises: The Other Government".
- October 2018. Figure 2.5, "<u>Taxes on International Trade, 2015</u>", Figure 2.6, "<u>The Missing Trader and Carousel Fraud</u>", Figure 2.7, "<u>Trade Gap Ratios, 2015</u>", Annex 2.2, "<u>Estimating the Impact of Digitalization on Tax Evasion from Cross-Border Fraud</u>".
- April 2016. Box 1.1, "<u>The Fiscal Implications of Slowing Global Trade for Emerging Market and Developing Economies</u>".
- October 2015. "<u>The Commodities Roller Coaster: A Fiscal Framework for Uncertain</u> Times".

## C. Global Financial Stability Report

- October 2018. Chapter 1, Figure 1.5. "Impact of U.S.-China Trade Tensions on Asset Prices", Box 1.2. "Escalating Trade Tensions and Growth at Risk".
- April 2017. Chapter 1, Figure 1.15. "Emerging Market Corporate Debt under Rising Risk Premiums and Protectionism".
- October 2016. Annex 1.1: "Financial Stagnation and Protectionism Scenario".
- April 2015. Chapter 2: "<u>International Banking After the Crisis: Increasingly Local and Safer?</u>".

## **D. Spillover Notes**

August 2018. "Regional Spillovers in Sub-Saharan Africa: Exploring Different Channels".

## **E. External Sector Reports**

- August 2021. Chapter 1: "External Positions and Policies".
- August 2020. Box 1.2: "<u>US-China Trade Tensions and Asset Price Movements</u>" and Box
   1.3: "<u>Trade and Economic Activity in the COVID-19 Crisis</u>".
- July 2019. "External Sector Report: The Dynamics of External Adjustment".
- July 2018. "External Sector Report: Tackling Global Imbalances amid Rising Trade Tensions".

## F. G-20 Surveillance Notes, Policy Papers

- June 2019. Figure 7: "<u>Impact on Real GDP of Tariff Increases</u>".
- November 2018. "G-20 Surveillance Note".
- July 2018. Annex: "The Global Impact of Escalating Trade Actions".
- July 2016, "Group of Twenty Reinvigorating Trade to Support Growth: A Path Forward".
- September 2016, Annex: "Reinvigorating Trade to Promote Global Economic Growth".

# III. JOINT PAPERS AND STATEMENTS WITH OTHER INTERNATIONAL ORGANIZATIONS

## A. Joint IO Papers

- April 2022, "Subsidies, Trade, and International Cooperation". (IMF-OECD-WB-WTO).
- September 2018, "Reinvigorating Trade and Inclusive Growth". (IMF-WBG-WTO).
- April 2017, "Making Trade an Engine of Growth for All: The Case for Trade and for Policies to Facilitate Adjustment". (IMF-WBG-WTO).

## **B.** Statements with other International Organizations

- September 2022. <u>Second Joint Statement by the Heads of Food and Agricultural</u>
   Organization, International Monetary Fund, World Bank Group, World Food Programme,
   and World Trade Organization on the Global Food Security and Nutrition Crisis.
- July 2022. Joint Statement: <u>The Heads of the Food and Agriculture Organization</u>,
   <u>International Monetary Fund, World Bank Group, World Food Programme, and World Trade Organization on the Global Food Security Crisis</u>.
- April 2022. Joint Statement: <u>The Heads of the World Bank Group, IMF, WFP and WTO Call</u> for Urgent Coordinated Action on Food Security.
- April 2020. <u>WTO and IMF Joint Statement on Trade and the COVID-19 Response</u>.

#### IV. OTHER RESEARCH OUTPUTS

## A. Departmental Papers

- November 2019. "<u>Lifting Growth in the Western Balkans: The Role of Global Value Chains and Services Exports</u>".
- April 2017. "Trade Tensions, Global Value Chains, and Spillovers: Insights for Europe".
- April 2017. "A Rebalancing Act for China and Africa: The Effects of China's Rebalancing on Sub-Saharan Africa's Trade and Growth".
- September 2016. "China's Changing Trade and the Implications for the CLMV".
- March 2016. "<u>Trade Integration and Global Value Chains in Sub-Saharan Africa: In Pursuit</u> of the Missing Link".

## **B.** Regional Reports

#### Middle East and Central Asia Region

- April 2022. Box 1.1: "<u>Direct Spillovers from the War in Ukraine and Sanctions on Russia to the Caucasus and Central Asia</u>".
- November 2018. Box 1: "Global Financial Market and Trade Pressures and Transmission to MENAP and CCA Countries"; Box 2: "Opening Up in the Caucasus and Central Asia".
- October 2017, Chapter 4: "<u>Leveraging Trade to Boost Growth in the MENAP and CCA Regions</u>".

#### Central, Eastern, and Southeastern Europe; Europe

- November 2018. Figure 1.2: "Global Trade and Foreign Demand"; Figure 1.7: "Global Value Chains".
- March 2015. <u>Regional Economic Issues Special Report: The Western Balkans 15 Years of Economic Transition</u>, Annex 1.3: "Trade Linkages".
- October 2014. <u>Regional Economic Issues Special Report: 25 Years of Transition Post-Communist Europe and the IMF</u>, Chapter 7: "Trade and Capital Flows".
- April 2014. Box 2: "<u>Potential Spillovers from Regional Geopolitical Tensions</u>".

#### Sub-Saharan Africa

- April 2022. Box, Special Focus: "Spillovers from the War in Ukraine"; Box 2: "Sub-Saharan Africa's Vulnerability to External Shocks".
- October 2019. Box 1.2: "Lessons from Other Regional Trade Arrangements for the African Continental Free Trade Agreement"; Figure 1.20: "Downside Risk Scenario: Impact of Escalating Trade Tensions, Global Slowdown, and Tightening Global Financial Conditions on Sub-Saharan African Growth"; Figure 1.28: "Sub-Saharan Africa and Selected Regions: Value Chain Related Trade, 1990s–2010s"; Box 2.1: "Firm Markups and Trade Liberalization".
- April 2019, Chapter 3: "<u>Is the African Continental Free Trade Area a Game Changer for the Continent?</u>".
- October 2018. Chapter 1, Section 3: "Risks to the Outlook, External Risks, Trade Tensions".
- April 2018. Box 1.3: "<u>The African Continental Free-Trade Area (AfCFTA) Agreement: What to Expect</u>".
- April 2015. Chapter 3: "Global Value Chains: Where Are You? The Missing Link in Sub-Saharan Africa's Trade Integration".

#### Western Hemisphere

- October 2021. Box 1: "Recovery in Central America Boosted by Exports to US and Remittances"; Box 2: "Weak Tourism Holds Back Recovery in the Caribbean".
- October 2018. Box 1: "Effects of US Tariffs and Potential Retaliatory Measures".
- October 2015. Chapter 4: "<u>Trade Integration in Latin America and the Caribbean: Hype, Hope, and Reality</u>".

#### **Asia and Pacific**

- October 2021. Chapter 4: "Reigniting Asia's Growth Engine through Trade Liberalization".
- October 2019. Box 1: "Risks of Heightened Trade Policy Uncertainty".
- October 2018. Chapter 3: "<u>The Evolving Role of Trade in Asia: Opening a New Chapter</u>".
- April 2018. Chapter 1, Section 4: "Risks to the Outlook, Retreat from Global Integration".
- October 2017. Box 1: "<u>Drivers of Export Growth in Asia</u>".

- April 2016. Chapter 2: "Navigating the Transition: Trade and Financial Spillovers from China"; Chapter 3: "China's Evolving Trade with Advanced Upstream Economies and Commodity Exporters".
- October 2015. Box 1: "China and the Global Trade Slowdown".
- April 2015. Chapter 2: "Reaping the Benefits from Global Value Chains".
- April 2014. Chapter 3: "<u>Does Growing Regional Integration Make Asian Economies Move More in Sync?</u>".

## **C.** Working Papers

#### General

- March 2022. "Supply Chains and Port Congestion Around the World".
- February 2022. "<u>The Effect of Tariffs in Global Value Chains</u>".
- February 2022. "<u>Dollar Invoicing</u>, <u>Global Value Chains</u>, and the <u>Business Cycle Dynamics</u> of International Trade".
- February 2022. "Exchange Rate Elasticities of International Tourism and the Role of Dominant Currency Pricing".
- January 2022. "<u>A Measurement of Aggregate Trade Restrictions and their Economic Effects</u>".
- December 2021. "Another Piece of the Puzzle: Adding Swift Data on Documentary Collections to the Short-Term Forecast of World Trade".
- September 2021. "Border Carbon Adjustments: Rationale, Design and Impact".
- August 2021. "<u>Revisiting Carbon Leakage</u>".
- July 2021. "A Diversification Strategy for South Asia".
- July 2021. "<u>Trade, Jobs, and Inequality</u>".
- July 2021. "The Sectoral Trade Losses from Financial Crises".
- March 2021. "Search Externalities in Firm-to-Firm Trade".
- March 2021. "Trade and Inclusive Growth".
- March 2021. "Sizing Up the Effects of Technological Decoupling".

- March 2021. "Proximity and Horizontal Policies: The Backbone of Export Diversification".
- December 2020. "Supply Spillovers During the Pandemic: Evidence from High-Frequency Shipping Data".
- December 2020. "Modeling Trade Tensions: Different Mechanisms in General Equilibrium".
- November 2020. "<u>Technological and Economic Decoupling in the Cyber Era</u>".
- November 2020. "Improving the Short-term Forecast of World Trade During the Covid-19
   Pandemic Using Swift Data on Letters of Credit".
- November 2020. "<u>The Great Lockdown: International Risk Sharing Through Trade and Policy Coordination</u>".
- August 2020. "Intelligent Export Diversification: An Export Recommendation System with Machine Learning".
- August 2020. "<u>Trade, Productivity and (Mis)allocation</u>".
- July 2020. "<u>International Trade and Corporate Market Power</u>".
- May 2020. "Global Smartphones Sales May Have Peaked".
- May 2020. "Are Capital Goods Tariffs Different?".
- May 2020. "World Seaborne Trade in Real Time: A Proof of Concept for Building AlSbased Nowcasts from Scratch".
- February 2020. "Markups, Quality, and Trade Costs".
- December 2019. "Exporting Through Intermediaries: Impact on Export Dynamics and Welfare".
- December 2019. "Global Value Chains and External Adjustment: Do Exchange Rates Still Matter?"
- December 2019. "<u>Big Data on Vessel Traffic: Nowcasting Trade Flows in Real Time</u>".
- December 2019. "<u>Deepening the EU's Single Market for Service</u>".
- November 2019. "Managed Trade: What Could be Possible Spillover Effects of a Potential Trade Agreement Between the U.S. and China?"

- November 2019. "<u>Tariff Passthrough at the Border and at the Store: Evidence from US Trade Policy</u>".
- September 2019. "The Inflexible Structure of Global Supply Chains".
- July 2019. "Statistical Coverage of Trade Finance Fintechs and Supply Chain Financing".
- July 2019. "Trade Wars and Trade Deals: Estimated Effects using a Multi-Sector Model".
- July 2019. "E-commerce as a Potential New Engine for Growth in Asia".
- May 2019. "<u>Understanding Export Diversification: Key Drivers and Policy Implications</u>".
- March 2019. "NAFTA to USMCA: What is Gained?"
- January 2019. "Global Value Chains: What are the Benefits and Why Do Countries
   Participate?" January 2019. "Macroeconomic Consequences of Tariffs"
- January 2019. "Effective Trade Costs and the Current Account: An Empirical Analysis".
- December 2018. "The Intensive Margin in Trade".
- November 2018. "Measuring Competitiveness in a World of Global Value Chains".
- May 2018. "Peeling Away the Layers: Impacts of Durable Tariff Elimination".
- February 2018. "A Multidimensional Approach to Trade Policy Indicators".
- January 2018. "New Estimates for Direction of Trade Statistics".
- November 2017. "The Slowdown in Global Trade: A Symptom of A Weak Recovery".
- November 2017. "<u>Trade and Income in the Long Run: Are There Really Gains, and Are They Widely Shared?</u>"
- July 2017. "<u>Calculating Trade in Value Added</u>".
- July 2017. "<u>The Macroeconomic Effects of Trade Tariffs: Revisiting the Lerner Symmetry Result</u>".
- March 2017. "World Trade in Services: Evidence from A New Dataset".
- March 2017. "Exchange Rates and Trade: A Disconnect?"
- March 2017. "Effects of Timeliness on the Trade Pattern between Primary and Processed Goods".

- February 2017. "<u>Assessing the Fragility of Global Trade: The Impact of Localized Supply Shocks Using Network Analysis</u>".
- October 2016. "The Role of Newly Industrialized Economies in Global Value Chains".
- July 2016. "6½ Decades of Global Trade and Income: 'New Normal' or 'Back to Normal' after GTC and GFC?"
- June 2016. "The Impact of Trade Agreements: New Approach, New Insights".
- March 2016. "Reassessing the Productivity Gains from Trade Liberalization".
- March 2016. "Has Globalization Really Increased Business Cycle Synchronization?"
- February 2016. "Quality and the Great Trade Collapse".
- November 2015. "Global Value Chains and the Exchange Rate Elasticity of Exports".
- September 2015. "Reaping the Benefits from Global Value Chains".
- July 2015. "<u>Does A Regional Trade Agreement Lessen or Exacerbate Growth Volatility? An Empirical Investigation</u>".
- February 2015. "Value of WTO Trade Agreements in a New Keynesian Model".
- February 2015. "ASEAN Financial Integration".
- January 2015. "A World Trade Leading Index (WLTI)".
- January 2015. "The Global Trade Slowdown: Cyclical or Structural?"
- September 2014. "Food Prices and the Multiplier Effect of Trade Policy".
- March 2014. "Quality, Trade, and Exchange Rate Pass-Through".

#### **Advanced Economies**

- October 2021. "Barriers to Trade in Financial and Insurance Services: Evidence from the United Kingdom".
- July 2019. "Internal Trade in Canada: Case for Liberalization".
- December 2018. "<u>Drivers of Spain's Export Performance and the Role of the Labor Market Reforms</u>".
- December 2018. "<u>Trade Uncertainty and Investment in the Euro Area</u>".

- July 2018. "Still Attached? Are Social Safety Nets Working? Labor Force Participation in European Regions".
- September 2016. "<u>Products and Provinces: A Disaggregated Panel Analysis of Canada's Manufacturing Exports</u>".
- August 2016. "From Firm-Level Imports to Aggregate Productivity: Evidence from Korean Manufacturing Firms Data".
- March 2016. "Singapore's Export Elasticities: A Disaggregated Look into the Role of Global Value Chains and Economic Complexity".
- November 2017. "<u>Does Import Competition Induce R&D Reallocation? Evidence from the U.S.</u>".
- September 2017. "Policy Mix and the US Trade Balance".
- May 2017. "Policy Uncertainty in Japan".

#### **Emerging Markets**

- November 2019. "Quality Upgrading and Export Performance in the Asian Growth Miracle".
- May 2019. "<u>Transmission of Domestic and External Shocks through Input-Output Network: Evidence from Korean Industries</u>".
- May 2019. "<u>Trade Linkages and International Business Cycle Comovement: Evidence from Korean Industry Data</u>".
- August 2018. "<u>Assessing the Impact of Structural Reforms Through a Supply-side</u> <u>Framework: The Case of Argentina</u>".
- December 2017. "China's Impacts on SSA through the Lens of Growth and Exports".
- June 2017. "<u>Trade Integration in Latin America: A Network Perspective</u>".
- May 2017. "<u>Trading with China: Productivity Gains, Job Losses</u>".
- March 2017. "Trade Liberalization in Peru: Adjustment Costs Amidst High Labor Mobility".
- March 2017. "Revisiting the Link between Trade, Growth and Inequality: Lessons for Latin America and the Caribbean".

- March 2017. "<u>The Impact of Trade Agreements in Latin America using the Synthetic Control Method</u>".
- March 2017. "<u>Launching Export Accelerations in Latin America and the World</u>".
- March 2017. "Composition of Trade in Latin America and the Caribbean".
- November 2016. "Quantifying the Spillovers from China Rebalancing Using a Multi-Sector Ricardian Trade Model".
- August 2016. "Spillovers from China's Growth Slowdown and Rebalancing to the ASEAN-5 Economies".
- May 2016. "<u>Chinese Imports: What's Behind the Slowdown?</u>".
- May 2016. "<u>China and Asia in Global Trade Slowdown</u>".
- March 2016. "China's Imports Slowdown: Spillovers, Spillins, and Spillbacks".
- February 2016. "South Africa's Exports Performance: Any Role for Structural Factors?".
- August 2015. "Exports in a Tariff-Free Environment: What Structural Reforms Matter?
   Evidence from the European Union Single Market".
- July 2015. "Price and Income Elasticity of Indian Exports—The Role of Supply-Side Bottlenecks".
- May 2015. "Make in India: Which Exports Can Drive the Next Wave of Growth?".
- May 2014. "Export Spillovers from Global Shocks for the Middle East and Central Asia".
- April 2014. "<u>Trade Integration and Business Cycle Synchronization: A Reappraisal with Focus on Asia</u>".

### **Low-Income Developing Countries**

- August 2021. "Tracking Trade from Space: An Application to Pacific Island Countries".
- June 2021. "<u>Chinese Investment in Latin America: Sectoral Complementarity and the Impact of China's Rebalancing</u>".
- January 2021. "<u>Is Regional Trade Integration a Growth and Convergence Engine in Africa?</u>".
- November 2020. "China's Rebalancing: Opportunities and Challenges for LAC Exporters".

- July 2020. "Global Value Chains and Productivity: Micro Evidence from Estonia".
- May 2019. "Export Diversification in Low-Income Countries and Small States: Do Country Size and Income Level Matter?".
- June 2018. "<u>The African Continental Free Trade Agreement: Welfare Gains Estimates from a General Equilibrium Model</u>".
- December 2017. "FDI, Global Value Chains, and Local Sourcing in Developing Countries".
- November 2017. "LAO P.D.R.: Assessing the Quality of Trade Statistics".
- April 2017. "Revisiting the Potential Impact to the Rest of the Caribbean from Opening
  US-Cuba Tourism".
- August 2016. "The Real Exchange Rate: Assessment and Trade Impact in the Context of Fiji and Samoa".
- May 2016. "Estimating the Effects of the Trans-Pacific Partnership (TPP) on Latin America and the Caribbean (LAC)".
- April 2014. "Pacific Island Countries: In Search of a Trade Strategy".
- June 2014. "Does Openness Matter for Financial Development in Africa?".
- February 2014. "Rising BRICs and Changes in Sub-Saharan Africa's Business Cycle Patterns".

#### D. Staff Discussion Notes and Climate Notes

- September 2021. "Carbon Pricing: What Role for Border Carbon Adjustments?".
- July 2020. "<u>Dominant Currencies and External Adjustment</u>".
- May 2020. "<u>The African Continental Free Trade Area: Potential Economic Impact and</u> Challenges".