INTERNATIONAL MONETARY FUND

Joint Vienna Institute / IMF Institute – European and Middle Eastern Division Course on Model-Based Monetary Policy Analysis and Forecasting (JV17.28)

Vienna, Austria

October 9 - 20, 2017

PROGRAM¹

Monday, October 9		
9:00 a.m. – 9:30 a.m.		Administrative Briefing
		Ms. Marina Scherbakova
		Program Officer, Joint Vienna Institute
9:30 a.m. – 10:00 a.m.		Opening Session Mr. Tom Richardson, Director, Joint Vienna Institute (JVI); Mr. Rafael Portillo, JVI; Mr. Alexei Miksjuk JVI; Mr. Carlos De Resende, IMF Institute for Capacity Development; Mr. Werner Schule, Consultant
10:00 a.m. – 10:30 a.m.		Test
10,00 4,111		Session conducted by counselors
11:00 a.m. – 12:30 p.m.	L-1	Monetary Policy Frameworks and
-		Transmission Channels
		Lecture by Mr. Carlos de Resende
		• Frameworks for monetary policy
		 Overview of transmission channels, empirical evidence
2:00 p.m. – 3:30 p.m.	L-2	Forecasting and Policy Analysis System (FPAS) Lecture by Mr. Rafael Portillo
		• FPAS components: databases, monitoring and
		reporting, short- and medium-term forecasting,
		communication and decision making
		• The role of the quarterly projection model
4:00 p.m. – 5:30 p.m. Trends	L-3	Consistency of Policy Objectives and Macro Lecture by Mr. Werner Schule
		• Convergence, PPP, and the Balassa-Samuelson effect
		• Uncovered Interest Rate Parity (UIP)
		• Interpreting economic trends
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 1 Coffee breaks are generally from 10.30 a.m. to 11.00 a.m. and 3.30 to 4.00 p.m., unless otherwise indicated.

Tuesday, October 10	
9:00 a.m. – 10:30 p.m.	 L-4 Introduction to a Small New Keynesian Model for Policy Analysis Lecture by Mr. Carlos de Resende Model structure Long run trends and steady state A brief overview of calibration
11:00 a.m. – 12:30 p.m.	 L-5 CPI Components and their Relative Prices Lecture by Mr. Rafael Portillo Core, food, and energy: inflation components and relative prices shocks to CPI components, first and second-round effects, policy responses Transitory and permanent shocks in relative prices
2:00 p.m. – 3:30 p.m.	 W-1 Workshop: Introduction to the Software and Model Codes Suite of codes Generic impulse response functions
4:00 p.m. – 5:30 p.m.	 W-2 Workshop: Data Transformation, Interpretation and Model Calibration Data preparation, univariate filtration Initial conditions, implications for the inflation outlook Preliminary calibration
Wednesday, October 11	
9.00 a.m. – 10:30 a.m.	 L-6 Alternative Exchange Rate Regimes Lecture by Mr. Werner Schule Exchange rate management The exchange rate as an operational target FX interventions
11:00 a.m. – 12:30 p.m.	W-3 Workshop: Model Properties Under Different Policy Regimes • Transmission of shocks in the model
2.00 p.m. – 3:30 p.m.	 L-7 Estimating Long-Run Trends and Gaps Lecture by Mr. Carlos de Resende Identifying trends Univariate filtration methods The multivariate (Kalman) filter

4:00 p.m. – 5:30 p.m.	 W-4 Workshop: Analysis of Trends and Model Calibration Comparing univariate and multivariate filters
Thursday, October 12	
9:00 a.m. – 10:30 a.m.	 W-4 Workshop: Analysis of Trends and Model Calibration, continued. Tuning the multivariate filter Model filtration and recalibration
11.00 a.m. – 12:30 p.m.	 L-8 Methods in Model Parameterization, Assessment of Model Properties Lecture by Mr. Rafael Portillo Calibration vs. estimation Maximum likelihood and Bayesian estimation Model properties, recursive forecasts
2:00 p.m. – 5:30 p.m.	 Workshop: Selected Issues in Model Estimation Model parameterization Maximum likelihood and Bayesian estimation Model properties: assessment based on recursive (multi-step ahead projection) forecast Fine-tuning of the model
Friday, October 13	
9:00 a.m. – 10:30 a.m.	 L-9 Nowcasting Lecture by Mr. Alexei Miksjuk Nowcasting in the FPAS context State Space Models, Dynamic Factor Models (DFM)
11:00 a.m. – 12:30 p.m.	 L-10 Near-Term Forecasting Lecture by Mr. Werner Schule Vector Auto Regressions (VARs) Forecasting using VARs
2:00 p.m. – 3:30 p.m.	W-6 Workshop: Nowcasting • Using a DFM to nowcast GDP
4:00 p.m. – 5:30 p.m.	 W-7 Workshop: Near-Term Forecasting Using VARs to forecast inflation components

Monday, October 16	
9:00 a.m. – 10:30 a.m.	 L-11 Extending the Core Model: Fiscal Policy Lecture by Mr. Carlos de Resende Fiscal rules and fiscal accounting Long term trends and crowding out
	• Simulations
11:00 a.m. – 12:30 p.m.	W-8 Workshop: Fiscal Extension • Fiscal satellite module codes
	 Fiscal satellite module codes Short-term fiscal multipliers
	• Fiscal expansion/consolidation scenarios
2:00 p.m. – 3:30 p.m.	Preparation
4:00 p.m. – 5:30 p.m.	O-1 Group presentation: Initial Conditions Analysis of initial conditions and inflation outlook
Tuesday, October 17	
9:00 a.m. – 10:30 a.m.	L-12 Baseline and Alternative Forecast Scenarios: Risk Analysis under Uncertainty Lecture by Mr. Werner Schule • Building macro scenarios for policy dialogue
	Baseline forecast and alternative scenarios
11:00 a.m. – 12:30 p.m.	 W-9 Workshop: Scenario Formulation and Policy Analysis Baseline forecast Design of alternative scenarios
2:00 p.m. – 5:00 p.m.	 W-9 Workshop: Scenario Formulation and Policy Analysis Design of alternative scenarios External environment
Wednesday, October 18	
9:00 a.m. – 12:30 p.m.	W-9 Workshop: Scenario Formulation and Policy Analysis • Design of macroeconomic scenarios (continued)
2:00 p.m. – 5:00 p.m.	W-9 Workshop: Scenario Formulation and Policy Analysis • Preparation of final presentations

Thursday, October 19	
9:00 a.m. – 12:30 p.m.	 W-9 Workshop: Scenario Formulation and Policy Analysis Preparation of final presentations (continued)
2:00 p.m. – 2:30 p.m.	Course Evaluation
2:30 p.m. – 5:30 p.m.	O-2 Final Group Presentations – Country Case Studies Forecast, scenarios, and policy analysis for Ghana, Kazakhstan and Singapore
Friday, October 20	
9:00 a.m. – 9:30 a.m.	Test Session conducted by counselors
9:30 a.m. – 10:30 a.m.	L-13 Monetary Policy at the Zero Lower Bound: The Czech Experience. Guest Lecture by Tibor Hledik, Head of Forecasting Division, Monetary Department, Czech National Bank
11:00 a.m. – 12:30 p.m.	Closing Session Mr. Rafael Portillo, Mr. Carlos de Resende, Mr. Werner Schule, Mr. Alexei Miksjuk