# EBA ESTIMATES: ANALYSIS OF 2019 CURRENT ACCOUNTS AND REAL EFFECTIVE EXCHANGE RATES<sup>1</sup>

# Introduction

The attached tables contain estimates from the External Balance Assessment (EBA) analysis of 2019 current accounts and real exchange rates, computed in June 2020 by the Research Department. The estimates are based on the latest vintage of the EBA methodology, which can be found in the IMF working paper (WP/19/65) <u>"The External Balance Assessment Methodology: 2018 Update"</u>.

These EBA estimates are used as input in the 2020 External Sector Report and the 2020 External Sector Report: Individual Economy Assessments.

The EBA analysis is of the 2019 outturns of the current account (CA) and 2019 year-average real effective exchange rates (REER). The external sustainability (ES) analysis is with reference to the 2019 current accounts.

EBA estimates presented in the attached tables are provided for the 26 economies that are analyzed in the 2020 External Sector Report<sup>2</sup>. In addition, estimates are also shown for the euro area aggregate, which are constructed using weighted averages of the EBA estimates for the 11 largest euro area economies.

# Data Vintage

The individual economy assessments for 2019 are based on data and IMF staff projections as of July 6, 2020, except for cyclical and medium-term variables, which are based on data as of January 31, 2020, preceding the COVID-19 pandemic. The analyses draw on the following data sources:

- <u>World Economic Outlook (WEO)</u> database as of June 2020.
- Demographic data from <u>UN World Population Prospects (2017)</u>.
- The capital control index from <u>Quinn (1997)</u> and <u>Quinn and Toyoda (2008)</u>, updated through 2017.
- Other third-party indicators (for example, <u>ICRG</u>) updated accordingly.

# Organization

The attached tables are organized in four sections. As with past External Sector Reports, these correspond to four sets of estimates:

- Section I: Regression-based analysis of 2019 Current Accounts
- Section II: Regression-based analysis of the 2019 REER Index
- Section III: Regression-based analysis of the 2019 REER Level
- Section IV: External Sustainability Analysis

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<sup>&</sup>lt;sup>2</sup> REER level model includes 25 economies.

### SECTION I—CURRENT ACCOUNT REGRESSION-BASED ANALYSIS

The tables on the following pages contain results from the EBA analysis of 2019 current account balances (CA, as percent of GDP).

The first table decomposes the 2019 CAs into a cyclical component (related to both the business cycle and commodity price cycle) and a cyclically-adjusted component. The latter is further decomposed into a cyclically-adjusted CA "norm" (calculated using desirable P\* policy settings), a gap that arises from the estimated contributions of five policy gaps, and a regression residual. The last column is the Total CA Gap, the sum of the overall policy gaps and the residual.

The CA numbers in the first table include small adjustments that have been applied uniformly across economies (in terms of an economy's own GDP) to ensure multilateral consistency. Thus, the cross-economy sum of the CA norm levels, when measured in U.S. dollars, matches the sum of the actual 2019 CA levels of all 49 EBA economies.

The second table breaks down the policy gap contributions by the five policies covered in the EBA CA analysis. For each policy gap, the reported estimates include both the total contribution and the subcomponent that is "domestic" (i.e., arising from an economy's own policies).

The five subsequent tables (Table 3-7) show further detail on the derivation of the policy gap contributions. The abbreviation "wo" is used to denote the world average counterparts of the variables (in all cases, world averages are obtained as GDP-weighted averages of the relevant variables).

The final table of this section (Table 8) shows the derivation of the cyclical component of the CA.

Finally, Table 9 shows the estimated coefficients of the EBA CA model.

	(In percent of GDP, includes multilateral consistency adjustments)										
	Actual CA	Cyclical Contributions (incl. ToT) 1/	Cyclically Adjusted 2018 CA	Cyclically Adjusted CA Norm 2/	Contribution of Identified Policy Gaps	Unexplained Residual	Total Gap, including Residual				
Argentina	-0.8%	0.9%	-1.7%	-1.2%	-5.5%	5.0%	-0.5%				
Australia	0.6%	0.2%	0.3%	-0.1%	0.2%	0.2%	0.5%				
Belgium	-1.2%	-0.1%	-1.1%	2.3%	-0.8%	-2.7%	-3.5%				
Brazil	-2.7%	1.0%	-3.7%	-2.5%	0.7%	-1.9%	-1.2%				
Canada	-2.0%	-0.1%	-1.9%	2.2%	0.3%	-4.4%	-4.1%				
China	1.0%	0.2%	0.8%	-0.4%	-0.1%	1.3%	1.2%				
France	-0.7%	-0.1%	-0.5%	0.6%	-0.6%	-0.5%	-1.1%				
Germany	7.1%	-0.1%	7.3%	2.5%	1.1%	3.7%	4.7%				
India	-0.9%	0.5%	-1.4%	-3.0%	2.1%	-0.5%	1.6%				
Indonesia	-2.7%	0.0%	-2.7%	-0.8%	1.5%	-3.4%	-1.9%				
Italy	3.0%	0.3%	2.7%	2.6%	1.1%	-1.1%	0.0%				
Japan	3.6%	0.1%	3.5%	3.5%	-1.4%	1.3%	0.0%				
Korea	3.6%	0.4%	3.3%	3.3%	0.9%	-0.9%	0.0%				
Malaysia	3.4%	-0.1%	3.5%	-0.2%	1.9%	1.7%	3.7%				
Mexico	-0.3%	0.4%	-0.7%	-2.2%	1.0%	0.5%	1.5%				
Netherlands	10.2%	-0.3%	10.5%	3.3%	2.6%	4.6%	7.2%				
Poland	0.5%	-0.1%	0.6%	-2.1%	1.7%	0.9%	2.7%				
Russia	3.8%	0.0%	3.8%	3.7%	2.6%	-2.5%	0.1%				
South Africa	-3.0%	0.2%	-3.2%	0.9%	0.0%	-4.0%	-4.0%				
Spain	2.0%	-0.2%	2.2%	1.1%	-0.2%	1.3%	1.1%				
Sweden	4.2%	-0.3%	4.5%	1.2%	0.1%	3.2%	3.2%				
Switzerland	11.5%	0.0%	11.5%	6.3%	0.0%	5.2%	5.3%				
Thailand	7.0%	0.4%	6.6%	0.4%	2.2%	4.0%	6.1%				
Turkey	1.2%	0.3%	0.8%	-1.7%	-1.7%	4.2%	2.5%				
United Kingdom	-3.8%	0.0%	-3.8%	0.4%	0.2%	-4.4%	-4.2%				
United States	-2.3%	-0.3%	-2.0%	-0.7%	-0.9%	-0.4%	-1.3%				
Euro Area 3/	2.7%	-0.1%	2.7%	1.4%	0.6%	0.7%	1.3%				

#### Table 1. EBA Regression Analysis of 2019 Current Accounts

(In percent of GDP, includes multilateral consistency adjustments)

1/ Sum of estimated contributions of output cycle and commodity terms of trade cycle.

2/ Current account norm determined by regression evaluated at observed fundamentals and desirable policy

settings (and zero cyclical contributions).

3/ Euro area current account gaps and policy gap contributions are calculated as GDP-weighted averages of values for the 11 largest Euro area

economies. The CA norm is corrected for reporting discrepancies in intra-area transactions, since the CA of the entire Euro area is about 0.39 percent of GDP less than the sum of the individual 11 countries' CA balances (for which no such correction is available).

	All (	sum)	Fiscal E	Balance	Healt	h Exp.	Δ Res	erves	Cre	edit	K-Co	ntrols
	Total	Dom.	Total	Dom.	Total	Dom.	Total	Dom.	Total	Dom.	Total	Dom.
Argentina	-5.5%	-6.0%	0.5%	-0.5%	-0.1%	0.0%	-5.2%	-5.1%	-0.1%	0.0%	-0.6%	-0.5%
Australia	0.2%	-0.3%	-0.2%	-1.2%	0.1%	0.2%	0.0%	0.0%	0.4%	0.6%	-0.1%	0.0%
Belgium	-0.8%	-1.3%	-0.1%	-1.0%	-0.2%	-0.1%	0.0%	0.0%	-0.3%	-0.2%	-0.1%	0.0%
Brazil	0.7%	0.2%	0.6%	-0.4%	0.1%	0.2%	-0.2%	-0.1%	0.2%	0.3%	0.0%	0.1%
Canada	0.3%	-0.3%	1.0%	0.1%	-0.1%	0.0%	0.0%	0.0%	-0.4%	-0.3%	-0.1%	0.0%
China	-0.1%	-0.6%	-0.4%	-1.3%	0.1%	0.2%	0.0%	0.0%	-0.1%	0.0%	0.3%	0.4%
France	-0.6%	-1.1%	0.3%	-0.7%	-0.2%	-0.1%	0.0%	0.0%	-0.5%	-0.4%	-0.1%	0.0%
Germany	1.1%	0.6%	1.5%	0.6%	-0.1%	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.1%	0.0%
India	2.1%	1.6%	0.3%	-0.6%	0.0%	0.1%	0.8%	0.9%	0.4%	0.6%	0.5%	0.7%
Indonesia	1.5%	1.0%	1.0%	0.1%	0.5%	0.6%	0.2%	0.2%	-0.3%	-0.2%	0.2%	0.3%
Italy	1.1%	0.6%	0.3%	-0.6%	0.0%	0.1%	0.0%	0.0%	1.0%	1.1%	-0.1%	0.0%
Japan	-1.4%	-1.9%	-0.1%	-1.0%	-0.1%	0.0%	0.0%	0.0%	-1.0%	-0.9%	-0.1%	0.0%
Korea	0.9%	0.4%	1.1%	0.2%	0.3%	0.4%	0.0%	0.0%	-0.3%	-0.2%	-0.1%	0.0%
Malaysia	1.9%	1.4%	0.7%	-0.2%	0.7%	0.8%	0.8%	0.8%	-0.2%	-0.1%	-0.1%	0.1%
Mexico	1.0%	0.5%	0.8%	-0.1%	0.4%	0.5%	0.0%	0.1%	-0.3%	-0.2%	0.1%	0.2%
Netherlands	2.6%	2.0%	1.4%	0.5%	0.1%	0.3%	0.0%	0.0%	1.2%	1.3%	-0.1%	0.0%
Poland	1.7%	1.2%	0.9%	-0.1%	0.0%	0.1%	0.3%	0.3%	0.7%	0.8%	-0.1%	0.0%
Russia	2.6%	2.1%	0.5%	-0.4%	0.8%	0.9%	0.7%	0.7%	0.7%	0.8%	-0.1%	0.0%
South Africa	0.0%	-0.6%	-0.1%	-1.0%	-0.1%	0.0%	0.0%	0.1%	0.2%	0.3%	0.0%	0.1%
Spain	-0.2%	-0.7%	-0.1%	-1.1%	-0.1%	0.0%	0.0%	0.0%	0.2%	0.3%	-0.1%	0.0%
Sweden	0.1%	-0.5%	0.6%	-0.3%	-0.2%	-0.1%	0.0%	0.0%	-0.1%	0.0%	-0.1%	0.0%
Switzerland	0.0%	-0.5%	1.4%	0.5%	-0.2%	-0.1%	0.0%	0.0%	-1.0%	-0.9%	-0.1%	0.0%
Thailand	2.2%	1.7%	1.1%	0.2%	0.4%	0.5%	0.9%	0.9%	-0.4%	-0.3%	0.3%	0.4%
Turkey	-1.7%	-2.2%	0.3%	-0.6%	0.0%	0.1%	-0.3%	-0.3%	-1.6%	-1.5%	-0.1%	0.0%
United Kingdom	0.2%	-0.3%	0.5%	-0.4%	0.0%	0.1%	0.0%	0.0%	-0.1%	0.0%	-0.1%	0.0%
United States	-0.9%	-1.4%	-0.9%	-1.8%	-0.2%	-0.1%	0.0%	0.0%	0.3%	0.4%	-0.1%	0.0%
Euro Area (agg) 1/	0.6%	0.1%	0.8%	-0.2%	-0.1%	0.0%	0.0%	0.0%	0.1%	0.2%	-0.1%	0.0%

Table 2. EBA-Estimated Policy Gap Contributions to 2019 Current Accounts

1/ Euro area policy gap contributions are GDP-weighted averages of the 11 largest Euro area economies.

	Overall	Beta	Policy Gap 1/	(P-P*)	Р	P*	P_wo	P*_wo
Argentina	Contribution 0.5%	0.33	1.4%	-1.4%	-2.9%	-1.5%	-4.1%	-1.3%
Australia	-0.2%	0.33	-0.7%	-3.5%	-3.5%	0.0%	-4.1%	-1.3%
Belgium	-0.1%	0.33	-0.3%	-3.2%	-3.2%	0.0%	-4.1%	-1.3%
Brazil	0.6%	0.33	1.7%	-1.1%	-5.1%	-4.0%	-4.1%	-1.3%
Canada	1.0%	0.33	3.0%	0.2%	-0.5%	-0.7%	-4.1%	-1.3%
China	-0.4%	0.33	-1.2%	-4.0%	-6.0%	-2.0%	-4.1%	-1.3%
France	0.3%	0.33	0.8%	-2.0%	-2.4%	-0.4%	-4.1%	-1.3%
Germany	1.5%	0.33	4.6%	1.7%	1.2%	-0.5%	-4.1%	-1.3%
India	0.3%	0.33	0.9%	-1.9%	-7.6%	-5.8%	-4.1%	-1.3%
Indonesia	1.0%	0.33	3.1%	0.3%	-2.2%	-2.5%	-4.1%	-1.3%
Italy	0.3%	0.33	1.0%	-1.8%	-1.3%	0.5%	-4.1%	-1.3%
Japan	-0.1%	0.33	-0.3%	-3.1%	-3.0%	0.1%	-4.1%	-1.3%
Korea	1.1%	0.33	3.4%	0.6%	0.6%	0.0%	-4.1%	-1.3%
Malaysia	0.7%	0.33	2.1%	-0.7%	-2.7%	-2.0%	-4.1%	-1.3%
Mexico	0.8%	0.33	2.6%	-0.3%	-2.6%	-2.3%	-4.1%	-1.3%
Netherlands	1.4%	0.33	4.3%	1.5%	1.0%	-0.5%	-4.1%	-1.3%
Poland	0.9%	0.33	2.6%	-0.2%	-1.7%	-1.5%	-4.1%	-1.3%
Russia	0.5%	0.33	1.5%	-1.3%	2.0%	3.3%	-4.1%	-1.3%
South Africa	-0.1%	0.33	-0.3%	-3.1%	-4.7%	-1.6%	-4.1%	-1.3%
Spain	-0.1%	0.33	-0.4%	-3.2%	-3.2%	0.0%	-4.1%	-1.3%
Sweden	0.6%	0.33	1.8%	-1.0%	-0.7%	0.3%	-4.1%	-1.3%
Switzerland	1.4%	0.33	4.2%	1.4%	1.4%	0.0%	-4.1%	-1.3%
Thailand	1.1%	0.33	3.3%	0.5%	-0.7%	-1.2%	-4.1%	-1.3%
Turkey	0.3%	0.33	1.0%	-1.8%	-5.8%	-4.0%	-4.1%	-1.3%
United Kingdom	0.5%	0.33	1.6%	-1.2%	-2.0%	-0.8%	-4.1%	-1.3%
United States	-0.9%	0.33	-2.6%	-5.4%	-6.6%	-1.2%	-4.1%	-1.3%
Euro Area (agg)	0.8%	0.33	2.3%	-0.5%	-0.7%	-0.2%	-4.1%	-1.3%

 Table 3. Breakdown of 2019 Policy Gap Contribution: Fiscal Balance/GDP

1/ (P-P\_wo) - (P\*-P\*\_wo).

	Overall Contribution	Beta	Policy Gap 2/	(P-P*)	Р	Р*	P_wo	P*_wo	P* Bench- mark from Regression 3/
Argentina	-0.1%	-0.40	0.3%	0.0%	6.5%	6.5%	6.3%	6.6%	4.6%
Australia	0.1%	-0.40	-0.3%	-0.6%	6.3%	6.9%	6.3%	6.6%	7.0%
Belgium	-0.2%	-0.40	0.6%	0.3%	8.0%	7.7%	6.3%	6.6%	7.2%
Brazil	0.1%	-0.40	-0.3%	-0.5%	3.9%	4.4%	6.3%	6.6%	3.5%
Canada	-0.1%	-0.40	0.3%	0.0%	7.1%	7.0%	6.3%	6.6%	7.0%
China	0.1%	-0.40	-0.4%	-0.6%	3.4%	4.0%	6.3%	6.6%	3.9%
France	-0.2%	-0.40	0.6%	0.3%	9.4%	9.1%	6.3%	6.6%	7.8%
Germany	-0.1%	-0.40	0.3%	0.0%	9.6%	9.5%	6.3%	6.6%	8.0%
India	0.0%	-0.40	0.0%	-0.3%	1.4%	1.6%	6.3%	6.6%	1.8%
Indonesia	0.5%	-0.40	-1.1%	-1.4%	1.6%	3.0%	6.3%	6.6%	2.5%
Italy	0.0%	-0.40	0.0%	-0.2%	6.6%	6.8%	6.3%	6.6%	7.8%
Japan	-0.1%	-0.40	0.3%	0.0%	9.0%	9.0%	6.3%	6.6%	9.0%
Korea	0.3%	-0.40	-0.6%	-0.9%	4.8%	5.7%	6.3%	6.6%	5.7%
Malaysia	0.7%	-0.40	-1.8%	-2.1%	2.0%	4.1%	6.3%	6.6%	4.4%
Mexico	0.4%	-0.40	-0.9%	-1.1%	2.8%	3.9%	6.3%	6.6%	3.7%
Netherlands	0.1%	-0.40	-0.4%	-0.6%	8.2%	8.8%	6.3%	6.6%	7.7%
Poland	0.0%	-0.40	-0.1%	-0.3%	5.1%	5.4%	6.3%	6.6%	6.0%
Russia	0.8%	-0.40	-2.1%	-2.3%	3.2%	5.5%	6.3%	6.6%	5.5%
South Africa	-0.1%	-0.40	0.4%	0.1%	4.2%	4.1%	6.3%	6.6%	2.9%
Spain	-0.1%	-0.40	0.3%	0.0%	6.2%	6.2%	6.3%	6.6%	6.8%
Sweden	-0.2%	-0.40	0.6%	0.3%	9.3%	9.0%	6.3%	6.6%	8.2%
Switzerland	-0.2%	-0.40	0.4%	0.1%	7.6%	7.5%	6.3%	6.6%	7.6%
Thailand	0.4%	-0.40	-0.9%	-1.2%	2.9%	4.1%	6.3%	6.6%	4.1%
Turkey	0.0%	-0.40	0.0%	-0.3%	3.3%	3.6%	6.3%	6.6%	4.4%
United Kingdom	0.0%	-0.40	0.0%	-0.3%	7.6%	7.9%	6.3%	6.6%	7.4%
United States	-0.2%	-0.40	0.4%	0.1%	8.4%	8.2%	6.3%	6.6%	7.4%
Euro Area (agg)	-0.1%	-0.40	0.3%	0.0%	8.2%	8.2%	6.3%	6.6%	7.7%

### Table 4. Breakdown of 2019 Policy Gap Contribution: Public Expenditure on Health/GDP 1/

1/ This variable is lagged in estimation, thus 2018 values are shown ; before small M.C. adjustment.

2/ (P-P\_wo) - (P\*-P\*\_wo).

3/ Fitted value from cross-country regression of public health expenditure on relative per capita income, old age dependency, and income inequality (Gini coefficient). For reference; desk value may differ.

							Compared to					
	Overall Contri- bution	Beta	Policy Gap 2/	(P_KC)- (P_KC)*	(P_KC)	(P_KC)*	(P_KC) _wo	(P_KC)* _wo	Р	P*	onents KC	KC*
Argentina	-5.2%	0.75	-6.9%	-6.8%	-6.3%	0.5%	0.1%	0.0%	-8.4%	1.0%	0.75	0.50
Australia	0.0%	0.75	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.5%	0.0%	0.13	0.13
Belgium	0.0%	0.75	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.3%	0.0%	0.00	0.00
Brazil	-0.2%	0.75	-0.2%	-0.2%	-0.2%	0.0%	0.1%	0.0%	-0.6%	0.0%	0.25	0.15
Canada	0.0%	0.75	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.1%	0.0%	0.00	0.00
China	0.0%	0.75	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.1%	0.0%	0.50	0.15
France	0.0%	0.75	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.00	0.00
Germany	0.0%	0.75	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.00	0.00
India	0.8%	0.75	1.1%	1.2%	1.2%	0.0%	0.1%	0.0%	2.3%	0.0%	0.50	0.15
Indonesia	0.2%	0.75	0.2%	0.3%	0.3%	0.0%	0.1%	0.0%	0.7%	0.0%	0.38	0.15
taly	0.0%	0.75	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.2%	0.0%	0.00	0.00
lapan	0.0%	0.75	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.3%	0.0%	0.00	0.00
Korea	0.0%	0.75	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.00	0.00
Malaysia	0.8%	0.75	1.0%	1.1%	1.1%	0.0%	0.1%	0.0%	2.9%	0.0%	0.38	0.15
Mexico	0.0%	0.75	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.2%	0.0%	0.38	0.15
Netherlands	0.0%	0.75	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.5%	0.0%	0.00	0.00
Poland	0.3%	0.75	0.4%	0.4%	0.4%	0.0%	0.1%	0.0%	1.7%	0.0%	0.25	0.15
Russia	0.7%	0.75	0.9%	1.0%	1.0%	0.0%	0.1%	0.0%	3.9%	0.0%	0.25	0.15
South Africa	0.0%	0.75	0.1%	0.1%	0.1%	0.0%	0.1%	0.0%	0.4%	0.0%	0.25	0.15
Spain	0.0%	0.75	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.00	0.00
Sweden	0.0%	0.75	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	-1.2%	0.0%	0.00	0.00
Switzerland	0.0%	0.75	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	2.5%	0.0%	0.00	0.00
Thailand	0.9%	0.75	1.1%	1.2%	1.2%	0.0%	0.1%	0.0%	2.4%	0.0%	0.50	0.15
Turkey	-0.3%	0.75	-0.5%	-0.4%	-0.3%	0.1%	0.1%	0.0%	-1.3%	0.6%	0.25	0.15
United Kingdom	0.0%	0.75	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.1%	0.0%	0.00	0.00
United States	0.0%	0.75	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.00	0.00
Euro Area (agg)	0.0%	0.75	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.01	0.00

Table 5. Breakdown of 2019 Policy Gap Contribution: (Change in FX Reserves)/GDP 1/

1/ Before small Multilateral Consistency adjustment.

 $2/[(P_KC)-(P_KC)_wo] - [(P_KC)^{-(P_KC)}_wo].$ 

Overall Contribution         Beta         Policy Gap 1/         (P-P')         P         P'         P_wo         P'_wo           Argentina         -0.1%         -0.1%         -0.1%         -0.3%         -0.3%         0.0%         -1.4%         -0.2%           Australia         0.4%         -0.104         -4.2%         -5.5%         0.0%         -1.4%         -0.2%           Belgium         -0.3%         -0.104         -1.6%         -2.9%         0.0%         -1.4%         -0.2%           Brazil         0.2%         -0.104         -1.6%         -2.9%         0.0%         -1.4%         -0.2%           Canada         -0.4%         -0.104         4.3%         3.1%         3.1%         0.0%         -1.4%         -0.2%           France         -0.5%         -0.104         4.7%         3.5%         0.0%         -1.4%         -0.2%           India         0.4%         -0.14         1.2%         0.0%         -2.0%         -2.0%         -1.4%         -0.2%           Indonesia         -0.3%         -0.14         3.2%         2.0%         2.0%         0.0%         -1.4%         -0.2%           Japan         -1.0%         -0.14         3.3%							_		-
Australia         0.4%         -0.104         -4.2%         -5.5%         -5.5%         0.0%         -1.4%         -0.2%           Belgium         -0.3%         -0.104         2.7%         1.5%         1.5%         0.0%         -1.4%         -0.2%           Brazil         0.2%         -0.104         -1.6%         -2.9%         -2.9%         0.0%         -1.4%         -0.2%           Canada         -0.4%         -0.104         1.6%         2.9%         0.2%         0.0%         -1.4%         -0.2%           China         -0.1%         -0.104         1.4%         0.2%         0.2%         0.0%         -1.4%         -0.2%           France         -0.5%         -0.104         4.7%         3.5%         3.5%         0.0%         -1.4%         -0.2%           India         0.4%         -0.104         1.2%         0.0%         -2.0%         -2.0%         -1.4%         -0.2%           India         0.4%         -0.104         4.3%         -5.5%         0.0%         -1.4%         -0.2%           India         0.3%         -0.104         9.6%         8.4%         8.4%         0.0%         -1.4%         -0.2%           Malaysia <th< th=""><th></th><th></th><th>Beta</th><th>Policy Gap 1/</th><th>(P-P*)</th><th>Р</th><th>Р*</th><th>P_wo</th><th>P*_wo</th></th<>			Beta	Policy Gap 1/	(P-P*)	Р	Р*	P_wo	P*_wo
Belgium-0.3%-0.1042.7%1.5%1.5%0.0%-1.4%-0.2%Brazil0.2%-0.104-1.6%-2.9%-2.9%0.0%-1.4%-0.2%Canada-0.4%-0.1044.3%3.1%3.1%0.0%-1.4%-0.2%China-0.1%-0.1041.4%0.2%0.2%0.0%-1.4%-0.2%France-0.5%-0.1044.7%3.5%3.5%0.0%-1.4%-0.2%Germany-0.1%-0.1041.2%0.0%-2.0%-2.0%-1.4%-0.2%India0.4%-0.1044.3%-5.5%-5.5%0.0%-1.4%-0.2%Indonesia-0.3%-0.1043.2%2.0%2.0%0.0%-1.4%-0.2%Japan1.0%-0.1049.6%8.4%8.4%0.0%-1.4%-0.2%Malaysia-0.2%-0.1041.9%0.6%0.0%-1.4%-0.2%Netherlands1.2%-0.104-1.5%-1.24%0.0%-1.4%-0.2%South Africa0.2%-0.104-1.12%-12.4%-12.4%0.0%-1.4%-0.2%Sweden0.1%-0.104-1.5%-2.8%-2.8%0.0%-1.4%-0.2%Sweden0.1%-0.104-1.5%-2.8%-2.8%0.0%-1.4%-0.2%Sweden0.1%-0.104-1.5%-2.8%-2.8%0.0%-1.4%-0.2%Sweden0.1%-	Argentina	-0.1%	-0.104	1.0%	-0.3%	-0.3%	0.0%	-1.4%	-0.2%
Brazi         0.2%         -0.104         -1.6%         -2.9%         -2.9%         0.0%         -1.4%         -0.2%           Canada         -0.4%         -0.104         4.3%         3.1%         3.1%         0.0%         -1.4%         -0.2%           China         -0.1%         -0.104         1.4%         0.2%         0.2%         0.0%         -1.4%         -0.2%           France         0.5%         -0.104         1.4%         0.2%         0.2%         0.0%         -1.4%         -0.2%           Germany         -0.1%         -0.104         1.2%         0.0%         -2.0%         -2.0%         -1.4%         -0.2%           India         0.4%         -0.104         -1.2%         0.0%         -2.0%         0.0%         -1.4%         -0.2%           India         0.3%         -0.104         -3.2%         2.0%         2.0%         0.0%         -1.4%         -0.2%           India         0.0%         -0.104         -9.2%         -10.4%         0.0%         -1.4%         -0.2%           India         0.0%         -0.104         3.3%         2.1%         0.0%         -1.4%         -0.2%           Malaysia         0.0%         -0.	Australia	0.4%	-0.104	-4.2%	-5.5%	-5.5%	0.0%	-1.4%	-0.2%
Canada-0.4%-0.1044.3%3.1%3.1%0.0%-1.4%-0.2%China-0.1%-0.1041.4%0.2%0.2%0.0%-1.4%-0.2%France-0.5%-0.1044.7%3.5%3.5%0.0%-1.4%-0.2%Germany-0.1%-0.1041.2%0.0%-2.0%-2.0%-1.4%-0.2%India0.4%-0.104-4.3%-5.5%-5.5%0.0%-1.4%-0.2%Indonesia-0.3%-0.1043.2%2.0%2.0%0.0%-1.4%-0.2%Iady1.0%-0.104-9.2%-10.4%10.4%0.0%-1.4%-0.2%Japan-1.0%-0.1049.6%8.4%8.4%0.0%-1.4%-0.2%Malaysia-0.2%-0.1041.1%1.5%0.0%-1.4%-0.2%Netherlands1.2%-0.104-1.1%-12.4%0.0%-1.4%-0.2%South Africa0.7%-0.104-5.5%-7.7%7.7%0.0%-1.4%-0.2%Switzerland-0.2%-1.12%-12.4%-12.4%0.0%-1.4%-0.2%Switzerland-0.2%-0.104-5.5%-7.7%7.7%0.0%-1.4%-0.2%Switzerland-0.2%-0.104-1.1%-2.2%-2.8%0.0%-1.4%-0.2%Switzerland-0.1%-0.104-1.5%-2.8%-2.8%0.0%-1.4%-0.2%Switzerland	Belgium	-0.3%	-0.104	2.7%	1.5%	1.5%	0.0%	-1.4%	-0.2%
China-0.1%-0.1041.4%0.2%0.2%0.0%-1.4%-0.2%France-0.5%-0.1044.7%3.5%3.5%0.0%-1.4%-0.2%Germany-0.1%-0.1041.2%0.0%-2.0%-2.0%-1.4%-0.2%India0.4%-0.104-4.3%-5.5%-5.5%0.0%-1.4%-0.2%Indonesia-0.3%-0.104-3.2%2.0%2.0%0.0%-1.4%-0.2%Iagan-1.0%-0.104-9.2%-10.4%10.4%0.0%-1.4%-0.2%Malaysia-0.3%-0.104-9.2%-10.4%10.4%0.0%-1.4%-0.2%Mexico-0.3%-0.104-9.2%1.5%1.5%0.0%-1.4%-0.2%Mexico-0.3%-0.104-1.2%1.5%1.5%0.0%-1.4%-0.2%Netherlands1.2%-0.104-1.1%-12.4%0.6%0.0%-1.4%-0.2%South Africa0.7%-0.104-1.5%-7.7%7.7%0.0%-1.4%-0.2%Switzerland0.7%-0.104-1.1%-2.8%-2.8%0.0%-1.4%-0.2%Switzerland0.7%-0.104-1.1%-2.8%-2.8%0.0%-1.4%-0.2%Switzerland0.1%-0.104-1.1%-2.8%-2.8%0.0%-1.4%-0.2%Switzerland0.1%-0.104-1.5%-2.8%2.8%0.0%-1.4% <th< th=""><th>Brazil</th><th>0.2%</th><th>-0.104</th><th>-1.6%</th><th>-2.9%</th><th>-2.9%</th><th>0.0%</th><th>-1.4%</th><th>-0.2%</th></th<>	Brazil	0.2%	-0.104	-1.6%	-2.9%	-2.9%	0.0%	-1.4%	-0.2%
France       -0.5%       -0.104       4.7%       3.5%       3.5%       0.0%       -1.4%       -0.2%         Germany       0.1%       -0.104       1.2%       0.0%       -2.0%       -2.0%       -1.4%       -0.2%         India       0.4%       -0.104       -4.3%       -5.5%       -5.5%       0.0%       -1.4%       -0.2%         Indonesia       0.3%       -0.104       3.2%       2.0%       2.0%       0.0%       -1.4%       -0.2%         Iady       1.0%       -0.104       -9.2%       -10.4%       -10.4%       0.0%       -1.4%       -0.2%         Japan       -1.0%       -0.104       9.2%       -10.4%       -10.4%       0.0%       -1.4%       -0.2%         Malaysia       -0.2%       -0.104       9.6%       8.4%       8.4%       0.0%       -1.4%       -0.2%         Mexico       0.3%       -0.104       1.9%       0.6%       0.6%       0.0%       -1.4%       -0.2%         Poland       0.7%       -0.104       -1.12%       -12.4%       -12.4%       0.0%       -1.4%       -0.2%         South Africa       0.2%       -0.104       -1.5%       -2.8%       -2.8%       0.0%	Canada	-0.4%	-0.104	4.3%	3.1%	3.1%	0.0%	-1.4%	-0.2%
Germany-0.1%-0.1041.2%0.0%-2.0%-2.0%-1.4%-0.2%India0.4%-0.104-4.3%-5.5%-5.5%0.0%-1.4%-0.2%Indonesia-0.3%-0.1043.2%2.0%2.0%0.0%-1.4%-0.2%Italy1.0%-0.104-9.2%-10.4%-10.4%0.0%-1.4%-0.2%Japan-1.0%-0.1049.6%8.4%8.4%0.0%-1.4%-0.2%Malaysia-0.2%-0.1041.9%0.6%0.6%0.0%-1.4%-0.2%Mexico-0.3%-0.1041.2%1.5%1.5%0.0%-1.4%-0.2%Poland0.7%-0.104-11.2%-12.4%-12.4%0.0%-1.4%-0.2%Russia0.7%-0.104-15%-7.7%-7.7%0.0%-1.4%-0.2%South Africa0.2%-0.104-11.2%-2.8%-2.8%0.0%-1.4%-0.2%Sweden0.7%-0.104-1.5%-7.7%-7.7%0.0%-1.4%-0.2%Switzerland0.1%-0.104-1.5%-2.8%-2.8%0.0%-1.4%-0.2%Switzerland-0.1%-0.1041.2%0.0%0.0%0.0%-1.4%-0.2%Switzerland-0.1%-0.1041.2%0.0%0.0%0.0%-1.4%-0.2%Switzerland-0.1%-0.1041.2%0.0%0.0%0.0%-1.4%-0.2% <th>China</th> <th>-0.1%</th> <th>-0.104</th> <th>1.4%</th> <th>0.2%</th> <th>0.2%</th> <th>0.0%</th> <th>-1.4%</th> <th>-0.2%</th>	China	-0.1%	-0.104	1.4%	0.2%	0.2%	0.0%	-1.4%	-0.2%
India0.4%-0.104-4.3%-5.5%-5.5%0.0%-1.4%-0.2%Indonesia-0.3%-0.1043.2%2.0%2.0%0.0%-1.4%-0.2%Italy1.0%-0.104-9.2%-10.4%-10.4%0.0%-1.4%-0.2%Japan-1.0%-0.1049.6%8.4%8.4%0.0%-1.4%-0.2%Korea-0.3%-0.1041.9%0.6%0.6%0.0%-1.4%-0.2%Malaysia-0.2%-0.1041.9%0.6%0.6%0.0%-1.4%-0.2%Mexico-0.3%-0.1042.7%1.5%1.5%0.0%-1.4%-0.2%Netherlands1.2%-0.104-11.2%-12.4%0.0%-1.4%-0.2%Poland0.7%-0.104-6.5%-7.7%-7.7%0.0%-1.4%-0.2%South Africa0.2%-0.104-1.5%-2.8%-2.8%0.0%-1.4%-0.2%Switzerland-0.1%-0.104-1.8%-3.0%-7.0%-4.0%-1.4%-0.2%Switzerland-0.1%-0.1041.2%0.0%0.0%-1.4%-0.2%Turkey-1.6%-0.1041.5%14.4%14.4%0.0%-1.4%-0.2%United Kingdom-0.1%-0.1041.2%0.0%0.0%0.14%-0.2%Linteg States0.3%-0.1041.2%0.0%0.0%1.4%-0.2%	France	-0.5%	-0.104	4.7%	3.5%	3.5%	0.0%	-1.4%	-0.2%
Indonesia       -0.3%       -0.104       3.2%       2.0%       2.0%       0.0%       -1.4%       -0.2%         Italy       1.0%       -0.104       -9.2%       -10.4%       -10.4%       0.0%       -1.4%       -0.2%         Japan       -1.0%       -0.104       9.6%       8.4%       8.4%       0.0%       -1.4%       -0.2%         Korea       -0.3%       -0.104       3.3%       2.1%       2.1%       0.0%       -1.4%       -0.2%         Malaysia       0.2%       -0.104       1.3%       2.1%       0.0%       -1.4%       -0.2%         Mexico       -0.3%       -0.104       1.9%       0.6%       0.6%       0.0%       -1.4%       -0.2%         Poland       0.2%       -0.104       -12.%       -12.4%       -12.4%       0.0%       -1.4%       -0.2%         Russia       0.7%       -0.104       -6.5%       7.7%       -7.7%       0.0%       -1.4%       -0.2%         South Africa       0.2%       -0.104       -1.5%       -2.8%       -2.8%       0.0%       -1.4%       -0.2%         Switzerland       0.0%       -0.104       1.2%       0.0%       0.0%       -1.4%       -0.2%	Germany	-0.1%	-0.104	1.2%	0.0%	-2.0%	-2.0%	-1.4%	-0.2%
Italy       1.0%       -0.104       -9.2%       -10.4%       -10.4%       0.0%       -1.4%       -0.2%         Japan       -1.0%       -0.104       9.6%       8.4%       8.4%       0.0%       -1.4%       -0.2%         Korea       -0.3%       -0.104       3.3%       2.1%       2.1%       0.0%       -1.4%       -0.2%         Malaysia       -0.2%       -0.104       1.9%       0.6%       0.6%       0.0%       -1.4%       -0.2%         Mexico       -0.3%       -0.104       1.9%       0.6%       0.6%       0.0%       -1.4%       -0.2%         Netherlands       1.2%       -0.104       -11.2%       1.5%       0.0%       -1.4%       -0.2%         Poland       0.7%       -0.104       -11.2%       -12.4%       -12.4%       0.0%       -1.4%       -0.2%         South Africa       0.2%       -0.104       -15.%       -7.7%       -7.7%       0.0%       -1.4%       -0.2%         Spain       0.2%       -0.104       -1.5%       -2.8%       -2.8%       0.0%       -1.4%       -0.2%         Switzerland       -0.1%       -0.104       1.2%       0.0%       0.0%       0.0%       -1.4% <th>India</th> <th>0.4%</th> <th>-0.104</th> <th>-4.3%</th> <th>-5.5%</th> <th>-5.5%</th> <th>0.0%</th> <th>-1.4%</th> <th>-0.2%</th>	India	0.4%	-0.104	-4.3%	-5.5%	-5.5%	0.0%	-1.4%	-0.2%
Japan-1.0%-0.1049.6%8.4%8.4%0.0%-1.4%-0.2%Korea-0.3%-0.1043.3%2.1%2.1%0.0%-1.4%-0.2%Malaysia-0.2%-0.1041.9%0.6%0.6%0.0%-1.4%-0.2%Mexico-0.3%-0.1042.7%1.5%1.5%0.0%-1.4%-0.2%Netherlands1.2%-0.104-11.2%-12.4%-12.4%0.0%-1.4%-0.2%Poland0.7%-0.104-6.5%-7.7%-7.7%0.0%-1.4%-0.2%Russia0.7%-0.104-6.4%-7.6%-7.6%0.0%-1.4%-0.2%South Africa0.2%-0.104-1.5%-2.8%-2.8%0.0%-1.4%-0.2%Sweden-0.1%-0.1041.2%0.0%0.0%0.0%-1.4%-0.2%Switzerland-0.1%-0.1041.2%0.0%0.0%-1.4%-0.2%Turkey-1.6%-0.1041.2%0.0%0.0%-1.4%-0.2%United Kingdom-0.1%-0.1041.2%0.0%0.0%-1.4%-0.2%United States0.3%-0.1041.2%0.0%0.0%0.0%-1.4%-0.2%United States0.3%-0.1041.2%0.0%0.0%0.0%-1.4%-0.2%	Indonesia	-0.3%	-0.104	3.2%	2.0%	2.0%	0.0%	-1.4%	-0.2%
Korea-0.3%-0.1043.3%2.1%2.1%0.0%-1.4%-0.2%Malaysia-0.2%-0.1041.9%0.6%0.6%0.0%-1.4%-0.2%Mexico-0.3%-0.1042.7%1.5%1.5%0.0%-1.4%-0.2%Netherlands1.2%-0.104-11.2%-12.4%-12.4%0.0%-1.4%-0.2%Poland0.7%-0.104-6.5%-7.7%-7.7%0.0%-1.4%-0.2%Russia0.7%-0.104-6.5%-7.7%-7.6%0.0%-1.4%-0.2%South Africa0.2%-0.104-1.5%-2.8%-2.8%0.0%-1.4%-0.2%Sweden-0.1%-0.1041.2%0.0%0.0%-1.4%-0.2%Switzerland-1.0%-0.1041.2%0.0%0.0%-1.4%-0.2%Turkey-1.6%-0.1041.5%14.4%14.4%0.0%-1.4%-0.2%United Kingdom-0.1%-0.1041.2%0.0%0.0%-1.4%-0.2%United States0.3%-0.1041.2%0.0%0.0%-1.4%-0.2%	Italy	1.0%	-0.104	-9.2%	-10.4%	-10.4%	0.0%	-1.4%	-0.2%
Malaysia       -0.2%       -0.104       1.9%       0.6%       0.6%       0.0%       -1.4%       -0.2%         Mexico       -0.3%       -0.104       2.7%       1.5%       1.5%       0.0%       -1.4%       -0.2%         Netherlands       1.2%       -0.104       -11.2%       -12.4%       0.0%       -1.4%       -0.2%         Poland       0.7%       -0.104       -6.5%       -7.7%       -7.7%       0.0%       -1.4%       -0.2%         Russia       0.7%       -0.104       -6.4%       -7.6%       -7.6%       0.0%       -1.4%       -0.2%         South Africa       0.2%       -0.104       -1.5%       -2.8%       -2.8%       0.0%       -1.4%       -0.2%         Spain       0.2%       -0.104       -1.5%       -2.8%       -2.8%       0.0%       -1.4%       -0.2%         Sweden       -0.1%       -0.104       1.2%       0.0%       0.0%       0.0%       -1.4%       -0.2%         Turkey       -1.6%       -0.104       1.2%       0.0%       0.0%       -1.4%       -0.2%         United Kingdom       -0.1%       -0.104       1.5%       14.4%       14.4%       0.0%       -1.4%       -0	Japan	-1.0%	-0.104	9.6%	8.4%	8.4%	0.0%	-1.4%	-0.2%
Mexico         -0.3%         -0.104         2.7%         1.5%         1.5%         0.0%         -1.4%         -0.2%           Netherlands         1.2%         -0.104         -11.2%         -12.4%         -12.4%         0.0%         -1.4%         -0.2%           Poland         0.7%         -0.104         -6.5%         -7.7%         -7.7%         0.0%         -1.4%         -0.2%           Russia         0.7%         -0.104         -6.4%         -7.6%         -7.6%         0.0%         -1.4%         -0.2%           South Africa         0.2%         -0.104         -1.5%         -2.8%         -2.8%         0.0%         -1.4%         -0.2%           Spain         0.2%         -0.104         -1.8%         -3.0%         -7.0%         -4.0%         -1.4%         -0.2%           Switzerland         -1.0%         -0.104         1.2%         0.0%         0.0%         1.4%         -0.2%           Turkey         -1.6%         -0.104         1.2%         0.0%         0.0%         1.4%         -0.2%           United Kingdom         -0.1%         -0.104         15.6%         14.4%         14.4%         0.0%         -1.4%         -0.2%           United States	Korea	-0.3%	-0.104	3.3%	2.1%	2.1%	0.0%	-1.4%	-0.2%
Netherlands       1.2%       -0.104       -11.2%       -12.4%       -12.4%       0.0%       -1.4%       -0.2%         Poland       0.7%       -0.104       -6.5%       -7.7%       -7.7%       0.0%       -1.4%       -0.2%         Russia       0.7%       -0.104       -6.4%       -7.6%       -7.6%       0.0%       -1.4%       -0.2%         South Africa       0.2%       -0.104       -1.5%       -2.8%       -2.8%       0.0%       -1.4%       -0.2%         Spain       0.2%       -0.104       -1.8%       -3.0%       -7.0%       -4.0%       -1.4%       -0.2%         Sweden       -0.1%       -0.104       1.2%       0.0%       0.0%       0.0%       -1.4%       -0.2%         Switzerland       -1.0%       -0.104       1.2%       0.0%       0.0%       0.0%       -1.4%       -0.2%         Thailand       -0.4%       -0.104       4.1%       2.8%       2.8%       0.0%       -1.4%       -0.2%         United Kingdom       -0.1%       -0.104       15.6%       14.4%       14.4%       0.0%       -1.4%       -0.2%         United Kingdom       -0.1%       -0.104       1.2%       0.0%       0.0% </th <th>Malaysia</th> <th>-0.2%</th> <th>-0.104</th> <th>1.9%</th> <th>0.6%</th> <th>0.6%</th> <th>0.0%</th> <th>-1.4%</th> <th>-0.2%</th>	Malaysia	-0.2%	-0.104	1.9%	0.6%	0.6%	0.0%	-1.4%	-0.2%
Poland       0.7%       -0.104       -6.5%       -7.7%       -7.7%       0.0%       -1.4%       -0.2%         Russia       0.7%       -0.104       -6.4%       -7.6%       -7.6%       0.0%       -1.4%       -0.2%         South Africa       0.2%       -0.104       -1.5%       -2.8%       -2.8%       0.0%       -1.4%       -0.2%         Spain       0.2%       -0.104       -1.5%       -2.8%       -2.8%       0.0%       -1.4%       -0.2%         Sweden       0.2%       -0.104       1.8%       3.0%       -7.0%       -4.0%       -1.4%       -0.2%         Switzerland       -0.1%       -0.104       1.2%       0.0%       0.0%       0.0%       -1.4%       -0.2%         Thailand       -0.4%       -0.104       9.9%       8.7%       8.7%       0.0%       -1.4%       -0.2%         Turkey       -1.6%       -0.104       1.5%       14.4%       14.4%       0.0%       -1.4%       -0.2%         United Kingdom       -0.1%       -0.104       1.2%       0.0%       0.0%       0.0%       -1.4%       -0.2%         United Kingdom       -0.1%       -0.104       1.2%       0.0%       0.0%       <	Mexico	-0.3%	-0.104	2.7%	1.5%	1.5%	0.0%	-1.4%	-0.2%
Russia       0.7%       -0.104       -6.4%       -7.6%       -7.6%       0.0%       -1.4%       -0.2%         South Africa       0.2%       -0.104       -1.5%       -2.8%       -2.8%       0.0%       -1.4%       -0.2%         Spain       0.2%       -0.104       -1.8%       -3.0%       -7.0%       -4.0%       -1.4%       -0.2%         Sweden       -0.1%       -0.104       1.2%       0.0%       0.0%       0.0%       -1.4%       -0.2%         Switzerland       -1.0%       -0.104       9.9%       8.7%       8.7%       0.0%       -1.4%       -0.2%         Thailand       -0.4%       -0.104       1.2%       0.0%       0.0%       -1.4%       -0.2%         United Kingdom       -0.1%       -0.104       1.2%       0.0%       0.0%       -1.4%       -0.2%         United States       0.3%       -0.104       1.2%       0.0%       0.0%       -1.4%       -0.2%	Netherlands	1.2%	-0.104	-11.2%	-12.4%	-12.4%	0.0%	-1.4%	-0.2%
South Africa       0.2%       -0.104       -1.5%       -2.8%       -2.8%       0.0%       -1.4%       -0.2%         Spain       0.2%       -0.104       -1.8%       -3.0%       -7.0%       -4.0%       -1.4%       -0.2%         Sweden       -0.1%       -0.104       1.2%       0.0%       0.0%       0.0%       -1.4%       -0.2%         Switzerland       -1.0%       -0.104       9.9%       8.7%       8.7%       0.0%       -1.4%       -0.2%         Thailand       -0.4%       -0.104       4.1%       2.8%       2.8%       0.0%       -1.4%       -0.2%         United Kingdom       -0.1%       -0.104       15.6%       14.4%       14.4%       0.0%       -1.4%       -0.2%         United States       0.3%       -0.104       1.2%       0.0%       0.0%       0.0%       -1.4%       -0.2%	Poland	0.7%	-0.104	-6.5%	-7.7%	-7.7%	0.0%	-1.4%	-0.2%
Spain       0.2%       -0.104       -1.8%       -3.0%       -7.0%       -4.0%       -1.4%       -0.2%         Sweden       -0.1%       -0.104       1.2%       0.0%       0.0%       0.0%       -1.4%       -0.2%         Switzerland       -1.0%       -0.104       9.9%       8.7%       8.7%       0.0%       -1.4%       -0.2%         Thailand       -0.4%       -0.104       4.1%       2.8%       2.8%       0.0%       -1.4%       -0.2%         Turkey       -1.6%       -0.104       15.6%       14.4%       14.4%       0.0%       -1.4%       -0.2%         United Kingdom       -0.1%       -0.104       1.2%       0.0%       0.0%       0.1%       -1.4%       -0.2%         United States       0.3%       -0.104       1.2%       0.0%       0.0%       0.1%       -1.4%       -0.2%	Russia	0.7%	-0.104	-6.4%	-7.6%	-7.6%	0.0%	-1.4%	-0.2%
Sweden         -0.1%         -0.104         1.2%         0.0%         0.0%         0.0%         -1.4%         -0.2%           Switzerland         -1.0%         -0.104         9.9%         8.7%         8.7%         0.0%         -1.4%         -0.2%           Thailand         -0.4%         -0.104         4.1%         2.8%         2.8%         0.0%         -1.4%         -0.2%           Turkey         -1.6%         -0.104         15.6%         14.4%         14.4%         0.0%         -1.4%         -0.2%           United Kingdom         -0.1%         -0.104         1.2%         0.0%         0.0%         -1.4%         -0.2%           United States         0.3%         -0.104         1.2%         0.0%         0.0%         -1.4%         -0.2%	South Africa	0.2%	-0.104	-1.5%	-2.8%	-2.8%	0.0%	-1.4%	-0.2%
Switzerland       -1.0%       -0.104       9.9%       8.7%       8.7%       0.0%       -1.4%       -0.2%         Thailand       -0.4%       -0.104       4.1%       2.8%       2.8%       0.0%       -1.4%       -0.2%         Turkey       -1.6%       -0.104       15.6%       14.4%       14.4%       0.0%       -1.4%       -0.2%         United Kingdom       -0.1%       -0.104       1.2%       0.0%       0.0%       0.0%       -1.4%       -0.2%         United States       0.3%       -0.104       -2.8%       -4.0%       -4.0%       0.0%       -1.4%       -0.2%	Spain	0.2%	-0.104	-1.8%	-3.0%	-7.0%	-4.0%	-1.4%	-0.2%
Thailand       -0.4%       -0.104       4.1%       2.8%       2.8%       0.0%       -1.4%       -0.2%         Turkey       -1.6%       -0.104       15.6%       14.4%       14.4%       0.0%       -1.4%       -0.2%         United Kingdom       -0.1%       -0.104       1.2%       0.0%       0.0%       0.0%       -1.4%       -0.2%         United States       0.3%       -0.104       -2.8%       -4.0%       -4.0%       0.0%       -1.4%       -0.2%	Sweden	-0.1%	-0.104	1.2%	0.0%	0.0%	0.0%	-1.4%	-0.2%
Turkey       -1.6%       -0.104       15.6%       14.4%       14.4%       0.0%       -1.4%       -0.2%         United Kingdom       -0.1%       -0.104       1.2%       0.0%       0.0%       0.0%       -1.4%       -0.2%         United States       0.3%       -0.104       -2.8%       -4.0%       -4.0%       0.0%       -1.4%       -0.2%	Switzerland	-1.0%	-0.104	9.9%	8.7%	8.7%	0.0%	-1.4%	-0.2%
United Kingdom         -0.1%         -0.104         1.2%         0.0%         0.0%         0.0%         -1.4%         -0.2%           United States         0.3%         -0.104         -2.8%         -4.0%         -4.0%         0.0%         -1.4%         -0.2%	Thailand	-0.4%	-0.104	4.1%	2.8%	2.8%	0.0%	-1.4%	-0.2%
United States         0.3%         -0.104         -2.8%         -4.0%         -4.0%         0.0%         -1.4%         -0.2%	Turkey	-1.6%	-0.104	15.6%	14.4%	14.4%	0.0%	-1.4%	-0.2%
	United Kingdom	-0.1%	-0.104	1.2%	0.0%	0.0%	0.0%	-1.4%	-0.2%
<b>Euro Area (agg)</b> 0.1% -0.104 -1.0% -2.2% -3.3% -1.0% -1.4% -0.2%	United States	0.3%	-0.104	-2.8%	-4.0%	-4.0%	0.0%	-1.4%	-0.2%
	Euro Area (agg)	0.1%	-0.104	-1.0%	-2.2%	-3.3%	-1.0%	-1.4%	-0.2%

Table 6.Breakdown of 2019 Policy Gap Contribution : Private Credit/GDP (HP detrended)

1/ (P-P\_wo) - (P\*-P\*\_wo).

	Overall Contri-		Lagged [ demeaned PPP GDP per working pop. relative to (US+JPN+DEU)*(1- Capital Control)]					Lagged [VIX * (1-Capital Control)]					Lagged [VIX * (1-Capital Control) * share of own currency in world reserve]				
	bution	Contri- bution	beta	(P-P*)	Р	P*	PPP GDP 2/	Contri- bution	beta	(P-P*)	Ρ	Р*	Contri- bution	beta	(P-P*)	Ρ	P*
Argentina	-0.5%	-0.4%	0.04	-10.2%	-20.5%	-10.2%	-20.5%	0.0%	0.02	-2.5%	-5.0%	-2.5%	0.0%	0.00	0.0%	0.0%	0.0%
Australia	0.0%	0.0%	0.04	0.0%	32.4%	32.4%	37.1%	0.0%	0.02	0.0%	-4.4%	-4.4%	0.0%	0.00	0.0%	-0.1%	-0.1%
Belgium	0.0%	0.0%	0.04	0.0%	32.1%	32.1%	32.1%	0.0%	0.02	0.0%	-5.0%	-5.0%	0.0%	0.00	0.0%	-1.0%	-1.0%
Brazil	0.1%	0.1%	0.04	3.0%	-23.4%	-26.4%	-31.1%	0.0%	0.02	0.5%	-3.8%	-4.2%	0.0%	0.00	0.0%	0.0%	0.0%
Canada	0.0%	0.0%	0.04	0.0%	30.7%	30.7%	30.7%	0.0%	0.02	0.0%	-5.0%	-5.0%	0.0%	0.00	0.0%	-0.1%	-0.1%
China	0.4%	0.4%	0.04	9.9%	-14.2%	-24.1%	-28.5%	0.0%	0.02	1.7%	-2.5%	-4.2%	0.0%	0.00	0.0%	0.0%	-0.1%
France	0.0%	0.0%	0.04	0.0%	29.8%	29.8%	29.8%	0.0%	0.02	0.0%	-5.0%	-5.0%	0.0%	0.00	0.0%	-1.0%	-1.0%
Germany	0.0%	0.0%	0.04	0.0%	37.2%	37.2%	37.2%	0.0%	0.02	0.0%	-5.0%	-5.0%	0.0%	0.00	0.0%	-1.0%	-1.0%
India	0.7%	0.6%	0.04	15.7%	-22.6%	-38.2%	-45.1%	0.0%	0.02	1.7%	-2.5%	-4.2%	0.0%	0.00	0.0%	0.0%	0.0%
Indonesia	0.3%	0.3%	0.04	7.9%	-22.2%	-30.1%	-35.5%	0.0%	0.02	1.1%	-3.1%	-4.2%	0.0%	0.00	0.0%	0.0%	0.0%
Italy	0.0%	0.0%	0.04	0.0%	16.3%	16.3%	16.3%	0.0%	0.02	0.0%	-5.0%	-5.0%	0.0%	0.00	0.0%	-1.0%	-1.0%
Japan	0.0%	0.0%	0.04	0.0%	29.5%	29.5%	29.5%	0.0%	0.02	0.0%	-5.0%	-5.0%	0.0%	0.00	0.0%	-0.3%	-0.3%
Korea	0.0%	0.0%	0.04	0.0%	9.6%	9.6%	9.6%	0.0%	0.02	0.0%	-5.0%	-5.0%	0.0%	0.00	0.0%	0.0%	0.0%
Malaysia	0.1%	0.0%	0.04	1.1%	-3.1%	-4.2%	-5.0%	0.0%	0.02	1.1%	-3.1%	-4.2%	0.0%	0.00	0.0%	0.0%	0.0%
Mexico	0.2%	0.2%	0.04	5.0%	-14.0%	-19.0%	-22.4%	0.0%	0.02	1.1%	-3.1%	-4.2%	0.0%	0.00	0.0%	0.0%	0.0%
Netherlands	0.0%	0.0%	0.04	0.0%	45.8%	45.8%	45.8%	0.0%	0.02	0.0%	-5.0%	-5.0%	0.0%	0.00	0.0%	-1.0%	-1.0%
Poland	0.0%	0.0%	0.04	0.2%	-1.7%	-2.0%	-2.3%	0.0%	0.02	0.5%	-3.8%	-4.2%	0.0%	0.00	0.0%	0.0%	0.0%
Russia	0.0%	0.0%	0.04	0.7%	-5.6%	-6.3%	-7.5%	0.0%	0.02	0.5%	-3.8%	-4.2%	0.0%	0.00	0.0%	0.0%	0.0%
South Africa	0.1%	0.1%	0.04	3.3%	-25.6%	-28.9%	-34.2%	0.0%	0.02	0.5%	-3.8%	-4.2%	0.0%	0.00	0.0%	0.0%	0.0%
Spain	0.0%	0.0%	0.04	0.0%	13.8%	13.8%	13.8%	0.0%	0.02	0.0%	-5.0%	-5.0%	0.0%	0.00	0.0%	-1.0%	-1.0%
Sweden	0.0%	0.0%	0.04	0.0%	44.0%	44.0%	44.0%	0.0%	0.02	0.0%	-5.0%	-5.0%	0.0%	0.00	0.0%	0.0%	0.0%
Switzerland	0.0%	0.0%	0.04	0.0%	58.2%	58.2%	58.2%	0.0%	0.02	0.0%	-5.0%	-5.0%	0.0%	0.00	0.0%	0.0%	0.0%
Thailand	0.4%	0.4%	0.04	9.3%	-13.5%	-22.8%	-26.9%	0.0%	0.02	1.7%	-2.5%	-4.2%	0.0%	0.00	0.0%	0.0%	0.0%
Turkey	0.0%	0.0%	0.04	0.9%	-6.7%	-7.5%	-8.9%	0.0%	0.02	0.5%	-3.8%	-4.2%	0.0%	0.00	0.0%	0.0%	0.0%
United Kingdom	0.0%	0.0%	0.04	0.0%	28.0%	28.0%	28.0%	0.0%	0.02	0.0%	-5.0%	-5.0%	0.0%	0.00	0.0%	-0.2%	-0.2%
United States	0.0%	0.0%	0.04	0.0%	56.4%	56.4%	56.4%	0.0%	0.02	0.0%	-5.0%	-5.0%	0.0%	0.00	0.0%	-3.1%	-3.1%
Euro Area (agg)	0.0%	0.0%	0.04	0.0%	30.2%	30.2%	30.2%	0.0%	0.02	0.0%	-5.0%	-5.0%	0.0%	0.00	0.0%	-1.0%	-1.0%
		1															

Table 7. Breakdown of 2019 Policy Gap Contribution: Capital Controls 1/

1/ Before small Multilateral Consistency adjustment. 2/ Lagged PPP GDP per working population(15-64) relative to average of (US+Japan+Germany), demeaned of overall sample mean.

	Relative output	t gap coeffici	ent =	-0.3564	64 ToT Gap * Openness Coefficient =				Cantributian
	Contribution		Data		Contribution	1	Data		Contribution Sum
	rel. ygap	rel. ygap	ygap	ygap_wo	tgap*open	tgap*open	tgap	open2y	
Argentina	1.0%	-2.9%	-3.1%	-0.1%	-0.1%	-0.8%	-5.0%	16.2%	0.9%
Australia	0.2%	-0.7%	-0.8%	-0.1%	0.0%	0.0%	0.0%	23.0%	0.2%
Belgium	-0.1%	0.4%	0.3%	-0.1%	0.0%	0.3%	0.4%	81.5%	-0.1%
Brazil	1.0%	-2.8%	-3.0%	-0.1%	0.0%	-0.2%	-1.3%	14.0%	1.0%
Canada	-0.1%	0.2%	0.1%	-0.1%	0.0%	-0.1%	-0.4%	32.5%	-0.1%
China	0.2%	-0.5%	-0.7%	-0.1%	0.0%	0.0%	-0.1%	17.4%	0.2%
France	-0.2%	0.4%	0.3%	-0.1%	0.0%	0.2%	0.5%	33.3%	-0.1%
Germany	-0.2%	0.5%	0.4%	-0.1%	0.1%	0.4%	0.9%	44.2%	-0.1%
India	0.5%	-1.4%	-1.6%	-0.1%	0.0%	0.2%	1.0%	18.7%	0.5%
Indonesia	0.1%	-0.2%	-0.3%	-0.1%	-0.1%	-0.7%	-3.8%	18.1%	0.0%
Italy	0.2%	-0.7%	-0.8%	-0.1%	0.1%	0.4%	1.3%	30.1%	0.3%
Japan	0.1%	-0.2%	-0.3%	-0.1%	0.1%	0.4%	2.3%	17.8%	0.1%
Korea	0.3%	-0.8%	-0.9%	-0.1%	0.1%	0.7%	1.7%	39.0%	0.4%
Malaysia	0.0%	-0.1%	-0.2%	-0.1%	-0.1%	-0.9%	-1.5%	61.5%	-0.1%
Mexico	0.4%	-1.0%	-1.2%	-0.1%	0.0%	-0.1%	-0.4%	39.3%	0.4%
Netherlands	-0.3%	0.8%	0.7%	-0.1%	0.0%	0.0%	0.0%	77.2%	-0.3%
Poland	-0.1%	0.4%	0.3%	-0.1%	0.0%	0.1%	0.2%	53.1%	-0.1%
Russia	0.0%	-0.1%	-0.2%	-0.1%	-0.1%	-0.5%	-2.2%	24.5%	0.0%
South Africa	0.1%	-0.4%	-0.5%	-0.1%	0.0%	0.1%	0.2%	29.6%	0.2%
Spain	-0.3%	0.7%	0.6%	-0.1%	0.0%	0.3%	0.8%	33.5%	-0.2%
Sweden	-0.3%	0.9%	0.7%	-0.1%	0.0%	0.3%	0.7%	45.6%	-0.3%
Switzerland	-0.1%	0.2%	0.1%	-0.1%	0.0%	0.3%	0.4%	59.3%	0.0%
Thailand	0.4%	-1.1%	-1.2%	-0.1%	0.0%	0.1%	0.2%	55.2%	0.4%
Turkey	0.3%	-1.0%	-1.1%	-0.1%	0.0%	0.0%	0.1%	31.5%	0.3%
United Kingdom	0.0%	-0.1%	-0.2%	-0.1%	0.0%	0.0%	0.1%	32.1%	0.0%
United States	-0.4%	1.0%	0.9%	-0.1%	0.0%	0.1%	0.4%	13.1%	-0.3%
Euro Area (agg)	-0.1%	0.3%	0.2%	-0.1%	0.0%	0.3%	0.7%	44.8%	-0.1%

# Table 8. Estimated Contribution to Current Account of Output Gap and TOT Gap in 2019

VARIABLES	Refined Model (1986-2016)
L. NFA/Y	0.023***
L. NFA/Y*(dummy if NFA/Y < -60%)	-0.006
L.Output per worker, relative to top 3 economies	0.023
L.Relative output per worker*K openness	0.041*
Oil and Natural Gas Trade Balance * resource temporariness #	0.310***
GDP growth, forecast in 5 years #	-0.302***
L.Public Health Spending/GDP #	-0.399***
L.demeaned VIX*K openness	0.020
L.demeaned VIX*K openness*share in world reserves	0.002
Own currency's share in world reserves	-0.030***
Output Gap #	-0.356***
Commodity ToTgap*Trade Openness	0.161***
Detrended Private Credit/GDP #	-0.104***
Cyclically adjusted Fiscal Balance, instrumented #	0.329***
(ΔReserves)/GDP* K controls, instrumented # (New)	0.754***
Institutional/Political Environment (ICGR-12) #	-0.047**
Prime Savers Share #	0.138**
Life Expectancy at Prime Age #	-0.005***
Life Expectancy at Prime Age # * Future OADR	0.013***
Population Growth #	-0.692*
Old-age Dependency Ratio #	-0.069
Constant	-0.009***
Observations	1,367
Number of countries	49
R-squared IV	0.524
R-squared Fit	0.550
Root MSE	0.031

# Table 9. EBA Analysis of 2019 CA: Coefficients

\* significant at 10%; \*\* significant at 5%; \*\*\* significant at 1% "L." denotes one year lag.

Note: variables denoted with # are constructed relative to a (GDP-weighted) country sample average, in each year.

### SECTION II—REER REGRESSION-BASED ANALYSIS: INDEX REER

This section contains results from the EBA analysis of 2019 (year average) REER index values.

The summary table (Table 10) identifies a Total (Index) REER Gap as the sum of two parts: a gap that arises from the estimated contributions of policy gaps, and a gap that is the regression residual.

Here the contributions of policy gaps refer to 5 types of policies, the contributions of which are also shown separately. The contributions of each policy gap are calculated analogously to the procedure used for the CA analysis, as described in the previous section. The REER gap estimates are adjusted for multilateral consistency.

The second table (Table 11) breaks down the policy gap contributions into the 5 types of policies covered by EBA's REER regression-based analysis. As with the CA tables, for each policy gap, the reported estimates show both the total contribution but also the subcomponent that is "domestic". The tables on the subsequent pages (Tables 12-16) give details of each of the estimated policy gap contributions to REER.

Finally, Table 17 shows the estimated coefficients of the Index REER model.

			•	_					
	Total REER Gap <sup>/a</sup>	Sum	Health Exp.	Capital Control	Reserves	Private Credit	Real Interest Rate	Residual <sup>/a</sup>	Memo: June '16 REER, % dev. from 2015 avg. REER (GDS)
Argentina	-6.4%	14.5%	0.6%	0.4%	17.0%	0.1%	-3.7%	-21%	-12.9%
Australia	-1.4%	-1.1%	-0.7%	0.0%	0.0%	-0.4%	0.1%	0%	-1.2%
Belgium	9.3%	1.3%	0.9%	0.0%	0.1%	0.3%	0.0%	8%	2.9%
Brazil	-10.7%	-1.4%	-0.7%	-0.1%	-0.4%	-0.2%	-0.2%	-9%	5.9%
Canada	2.1%	0.8%	0.2%	0.0%	0.1%	0.5%	0.0%	1%	0.2%
China	-1.1%	-1.1%	-0.8%	-0.3%	0.1%	0.0%	-0.1%	0%	-5.5%
France	-2.7%	1.6%	0.9%	0.0%	0.1%	0.5%	0.0%	-4%	0.9%
Germany	3.6%	0.8%	0.5%	0.0%	0.1%	0.1%	0.0%	3%	1.1%
India	13.4%	-3.8%	0.0%	-0.3%	-2.8%	-0.4%	-0.3%	17%	1.0%
Indonesia	2.1%	-2.8%	-2.2%	-0.2%	-0.4%	0.2%	-0.2%	5%	2.6%
Italy	6.8%	-1.0%	-0.2%	0.0%	0.1%	-0.9%	0.0%	8%	0.3%
Japan	-18.0%	1.9%	0.8%	0.0%	0.3%	0.9%	0.0%	-20%	15.6%
Korea	0.6%	-0.3%	-1.1%	0.0%	0.2%	0.2%	0.4%	1%	-3.7%
Malaysia	-25.0%	-5.8%	-3.7%	-0.2%	-2.5%	0.1%	0.5%	-19%	-3.7%
Mexico	-15.4%	-1.7%	-2.3%	-0.2%	-0.2%	0.3%	0.6%	-14%	-13.9%
Netherlands	16.1%	-2.0%	-1.0%	0.0%	0.1%	-1.1%	0.0%	18%	1.0%
Poland	-2.7%	-2.0%	-0.3%	-0.1%	-1.0%	-0.6%	0.0%	-1%	-5.1%
Russia	-9.3%	-6.8%	-4.3%	-0.1%	-2.3%	-0.6%	0.5%	-2%	-0.7%
South Africa	-15.7%	0.1%	0.7%	-0.1%	-0.1%	-0.2%	-0.2%	-16%	-10.3%
Spain	5.2%	0.2%	0.3%	0.0%	0.1%	-0.2%	0.0%	5%	0.3%
Sweden	-19.4%	1.2%	0.9%	0.0%	0.1%	0.2%	0.1%	-21%	2.0%
Switzerland	13.5%	2.2%	0.5%	0.0%	0.1%	0.9%	0.7%	11%	-1.9%
Thailand	14.0%	-4.8%	-1.8%	-0.3%	-2.8%	0.2%	-0.1%	19%	-4.4%
Turkey	-22.8%	0.1%	-0.1%	-0.1%	1.3%	1.5%	-2.5%	-23%	-0.6%
United Kingdom	-12.6%	0.0%	-0.3%	0.0%	0.1%	0.1%	0.1%	-13%	-7.1%
United States	8.1%	0.7%	1.1%	0.0%	0.1%	-0.5%	-0.1%	7%	1.7%
Euro Area	4.2%	0.3%	0.3%	0.0%	0.1%	-0.1%	0.0%	4%	2.1%

Table 10. EBA Analysis of the 2019 REER

<sup>7a</sup> For multilateral consistency, adjusted by the weighted average of the 2019 regression residuals (subtracting -6.5%).

	All (si	um)	Healt	h Exp.	Capital	Controls		eserves		Credit	Interes	st Rate
	Total	Dom.	Total	Dom.	Total	Dom.	Total	Dom.	Total	Dom.	Total	Dom.
Argentina	14.5%	13.6%	0.6%	0.0%	0.4%	0.4%	17.0%	16.9%	0.1%	0.0%	-3.7%	-3.7%
Australia	-1.1%	-1.8%	-0.7%	-1.2%	0.0%	0.0%	0.0%	-0.2%	-0.4%	-0.5%	0.1%	0.0%
Belgium	1.3%	0.7%	0.9%	0.6%	0.0%	0.0%	0.1%	0.0%	0.3%	0.1%	0.0%	-0.1%
Brazil	-1.4%	-1.2%	-0.7%	-1.1%	-0.1%	-0.1%	-0.4%	0.4%	-0.2%	-0.3%	-0.2%	-0.2%
Canada	0.8%	0.3%	0.2%	0.0%	0.0%	0.0%	0.1%	0.0%	0.5%	0.3%	0.0%	0.0%
China	-1.1%	-1.6%	-0.8%	-1.3%	-0.3%	-0.3%	0.1%	-0.1%	0.0%	0.0%	-0.1%	0.0%
France	1.6%	0.9%	0.9%	0.6%	0.0%	0.0%	0.1%	0.0%	0.5%	0.3%	0.0%	-0.1%
Germany	0.8%	0.0%	0.5%	0.1%	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	-0.1%
India	-3.8%	-4.5%	0.0%	-0.5%	-0.3%	-0.3%	-2.8%	-2.9%	-0.4%	-0.5%	-0.3%	-0.2%
Indonesia	-2.8%	-3.7%	-2.2%	-2.9%	-0.2%	-0.2%	-0.4%	-0.6%	0.2%	0.2%	-0.2%	-0.2%
Italy	-1.0%	-1.5%	-0.2%	-0.4%	0.0%	0.0%	0.1%	0.0%	-0.9%	-1.0%	0.0%	-0.1%
Japan	1.9%	0.8%	0.8%	0.0%	0.0%	0.0%	0.3%	0.0%	0.9%	0.8%	0.0%	0.0%
Korea	-0.3%	-1.0%	-1.1%	-1.6%	0.0%	0.0%	0.2%	0.0%	0.2%	0.2%	0.4%	0.4%
Malaysia	-5.8%	-6.5%	-3.7%	-4.3%	-0.2%	-0.2%	-2.5%	-2.7%	0.1%	0.1%	0.5%	0.6%
Mexico	-1.7%	-2.0%	-2.3%	-2.3%	-0.2%	-0.2%	-0.2%	-0.2%	0.3%	0.1%	0.6%	0.6%
Netherlands	-2.0%	-2.5%	-1.0%	-1.3%	0.0%	0.0%	0.1%	0.0%	-1.1%	-1.2%	0.0%	-0.1%
Poland	-2.0%	-2.5%	-0.3%	-0.7%	-0.1%	-0.1%	-1.0%	-1.1%	-0.6%	-0.7%	0.0%	0.0%
Russia	-6.8%	-7.4%	-4.3%	-4.7%	-0.1%	-0.1%	-2.3%	-2.4%	-0.6%	-0.7%	0.5%	0.5%
South Africa	0.1%	-0.6%	0.7%	0.2%	-0.1%	-0.1%	-0.1%	-0.3%	-0.2%	-0.3%	-0.2%	-0.2%
Spain	0.2%	-0.3%	0.3%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.2%	-0.3%	0.0%	-0.1%
Sweden	1.2%	0.6%	0.9%	0.6%	0.0%	0.0%	0.1%	0.0%	0.2%	0.0%	0.1%	0.0%
Switzerland	2.2%	1.7%	0.5%	0.3%	0.0%	0.0%	0.1%	0.0%	0.9%	0.8%	0.7%	0.6%
Thailand	-4.8%	-5.4%	-1.8%	-2.4%	-0.3%	-0.3%	-2.8%	-3.0%	0.2%	0.3%	-0.1%	0.0%
Turkey	0.1%	-0.8%	-0.1%	-0.6%	-0.1%	-0.1%	1.3%	1.0%	1.5%	1.3%	-2.5%	-2.5%
United Kingdom	0.0%	-0.5%	-0.3%	-0.5%	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.1%	0.0%
United States	0.7%	-0.1%	1.1%	0.3%	0.0%	0.0%	0.1%	0.0%	-0.5%	-0.4%	-0.1%	0.0%

Table 11. EBA - Estimated Policy Gap Contributions to 2019 Index REER

	Overall Contribution	Coef.	Pol. Gap (1)-(3) - {(2)-(4)}	P - P* (1) - (2)	P (1)	P* (2)	P (Trading partners) (3)	P* (Trading partners) (4)	P* benchmark from cross- country regression ª/
Argentina	0.6%	2.04	0.3%	0.0%	6.5%	6.5%	6.1%	6.4%	4.6%
Australia	-0.7%	2.04	-0.4%	-0.6%	6.3%	6.9%	6.4%	6.7%	7.0%
Belgium	0.9%	2.04	0.5%	0.3%	8.0%	7.7%	7.3%	7.4%	7.2%
Brazil	-0.7%	2.04	-0.3%	-0.5%	3.9%	4.4%	6.7%	6.9%	3.5%
Canada	0.2%	2.04	0.1%	0.0%	7.1%	7.0%	7.3%	7.4%	7.0%
China	-0.8%	2.04	-0.4%	-0.6%	3.4%	4.0%	7.1%	7.3%	3.9%
France	0.9%	2.04	0.5%	0.3%	9.4%	9.1%	7.1%	7.3%	7.8%
Germany	0.5%	2.04	0.2%	0.0%	9.6%	9.5%	6.7%	6.9%	8.0%
India	0.0%	2.04	0.0%	-0.3%	1.4%	1.6%	6.6%	6.8%	1.8%
Indonesia	-2.2%	2.04	-1.1%	-1.4%	1.6%	3.0%	6.4%	6.7%	2.5%
Italy	-0.2%	2.04	-0.1%	-0.2%	6.6%	6.8%	7.3%	7.4%	7.8%
Japan	0.8%	2.04	0.4%	0.0%	9.0%	9.0%	5.8%	6.1%	9.0%
Korea	-1.1%	2.04	-0.5%	-0.8%	4.8%	5.6%	6.3%	6.6%	5.7%
Malaysia	-3.7%	2.04	-1.8%	-2.1%	2.0%	4.1%	6.4%	6.7%	4.4%
Mexico	-2.3%	2.04	-1.1%	-1.1%	2.8%	3.9%	7.5%	7.6%	3.7%
Netherlands	-1.0%	2.04	-0.5%	-0.6%	8.2%	8.8%	7.3%	7.5%	7.7%
Poland	-0.3%	2.04	-0.2%	-0.3%	5.1%	5.4%	7.5%	7.6%	6.0%
Russia	-4.3%	2.04	-2.1%	-2.3%	3.2%	5.5%	6.7%	6.9%	5.5%
South Africa	0.7%	2.04	0.3%	0.1%	4.2%	4.1%	6.8%	7.1%	2.9%
Spain	0.3%	2.04	0.1%	0.0%	6.2%	6.2%	7.3%	7.5%	6.8%
Sweden	0.9%	2.04	0.4%	0.3%	9.3%	9.0%	7.3%	7.4%	8.2%
Switzerland	0.5%	2.04	0.3%	0.1%	7.6%	7.5%	7.5%	7.6%	7.6%
Thailand	-1.8%	2.04	-0.9%	-1.2%	2.9%	4.1%	6.5%	6.8%	4.1%
Turkey	-0.1%	2.04	0.0%	-0.3%	3.3%	3.6%	6.9%	7.1%	4.4%
United Kingdom	-0.3%	2.04	-0.1%	-0.3%	7.6%	7.9%	7.2%	7.3%	7.4%
United States	1.1%	2.04	0.5%	0.1%	8.4%	8.2%	5.9%	6.3%	7.4%

Table 12. Breakdown of 2019 Policy Gap Contribution: Public Expenditure on Health / GDP

/a Fitted value from a cross-country regression of public health expenditure on relative per capita income, old age dependency, and income inequality (Gini coefficient). For reference; desk value may differ.

		P= Lag	ged [VIX *	(Capital accou	int openne	ss)] 1\	P= Lagge	-	apital Account ( ency in world re	•	* Share o
	Overall Contribution	Contri- bution	Coef.	Policy Gap (7)-(8)	P (7)	P* (8)	Contri- bution	Coef.	Policy Gap (9)-(10)	P (9)	P* (10)
Argentina	0.4%	0.4%	-0.16	-2.6%	-5.1%	-2.6%	0.0%	0.48	0.0%	0.0%	0.0%
Australia	0.0%	0.0%	-0.16	0.0%	-4.5%	-4.5%	0.0%	0.48	0.0%	-0.1%	-0.1%
Belgium	0.0%	0.0%	-0.16	0.0%	-5.1%	-5.1%	0.0%	0.48	0.0%	-1.1%	-1.1%
Brazil	-0.1%	-0.1%	-0.16	0.5%	-3.8%	-4.3%	0.0%	0.48	0.0%	0.0%	0.0%
Canada	0.0%	0.0%	-0.16	0.0%	-5.1%	-5.1%	0.0%	0.48	0.0%	-0.1%	-0.19
China	-0.3%	-0.3%	-0.16	1.8%	-2.6%	-4.3%	0.0%	0.48	0.0%	0.0%	-0.19
France	0.0%	0.0%	-0.16	0.0%	-5.1%	-5.1%	0.0%	0.48	0.0%	-1.1%	-1.19
Germany	0.0%	0.0%	-0.16	0.0%	-5.1%	-5.1%	0.0%	0.48	0.0%	-1.1%	-1.19
India	-0.3%	-0.3%	-0.16	1.8%	-2.6%	-4.3%	0.0%	0.48	0.0%	0.0%	0.0%
Indonesia	-0.2%	-0.2%	-0.16	1.1%	-3.2%	-4.3%	0.0%	0.48	0.0%	0.0%	0.0%
Italy	0.0%	0.0%	-0.16	0.0%	-5.1%	-5.1%	0.0%	0.48	0.0%	-1.1%	-1.19
Japan	0.0%	0.0%	-0.16	0.0%	-5.1%	-5.1%	0.0%	0.48	0.0%	-0.3%	-0.3%
Korea	0.0%	0.0%	-0.16	0.0%	-5.1%	-5.1%	0.0%	0.48	0.0%	0.0%	0.0%
Malaysia	-0.2%	-0.2%	-0.16	1.1%	-3.2%	-4.3%	0.0%	0.48	0.0%	0.0%	0.0%
Mexico	-0.2%	-0.2%	-0.16	1.1%	-3.2%	-4.3%	0.0%	0.48	0.0%	0.0%	0.0%
Netherlands	0.0%	0.0%	-0.16	0.0%	-5.1%	-5.1%	0.0%	0.48	0.0%	-1.1%	-1.19
Poland	-0.1%	-0.1%	-0.16	0.5%	-3.8%	-4.3%	0.0%	0.48	0.0%	0.0%	0.0%
Russia	-0.1%	-0.1%	-0.16	0.5%	-3.8%	-4.3%	0.0%	0.48	0.0%	0.0%	0.0%
South Africa	-0.1%	-0.1%	-0.16	0.5%	-3.8%	-4.3%	0.0%	0.48	0.0%	0.0%	0.0%
Spain	0.0%	0.0%	-0.16	0.0%	-5.1%	-5.1%	0.0%	0.48	0.0%	-1.1%	-1.19
Sweden	0.0%	0.0%	-0.16	0.0%	-5.1%	-5.1%	0.0%	0.48	0.0%	0.0%	0.0%
Switzerland	0.0%	0.0%	-0.16	0.0%	-5.1%	-5.1%	0.0%	0.48	0.0%	0.0%	0.0%
Thailand	-0.3%	-0.3%	-0.16	1.8%	-2.6%	-4.3%	0.0%	0.48	0.0%	0.0%	0.0%
Turkey	-0.1%	-0.1%	-0.16	0.5%	-3.8%	-4.3%	0.0%	0.48	0.0%	0.0%	0.0%
United Kingdom	0.0%	0.0%	-0.16	0.0%	-5.1%	-5.1%	0.0%	0.48	0.0%	-0.2%	-0.29
United States	0.0%	0.0%	-0.16	0.0%	-5.1%	-5.1%	0.0%	0.48	0.0%	-3.2%	-3.29

1/ Capital Account Openness defined as (1- Capital Account Controls)

	Overall Contribution	Coef.	Pol. Gap (1)- (3) - {(2)-(4)}	P - P* (1) - (2)	P <sup>/a</sup> (1)	P* (2)	P (Trading partners) (3)	P* (Trading partners) (4)	Reserves to GDP	(Reserves to GDP)*	Capital Controls	(Capital Controls)*
Argentina	17.0%	-2.48	-6.9%	-6.8%	-6.3%	0.5%	0.1%	0.0%	-8.4%	1.0%	0.75	0.50
Australia	0.0%	-2.48	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.5%	0.0%	0.13	0.13
Belgium	0.1%	-2.48	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.3%	0.0%	0.00	0.00
Brazil	-0.4%	-2.48	0.2%	-0.2%	-0.2%	0.0%	-0.3%	0.0%	-0.6%	0.0%	0.25	0.15
Canada	0.1%	-2.48	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.00	0.00
China	0.1%	-2.48	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.1%	0.0%	0.50	0.15
France	0.1%	-2.48	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.00	0.00
Germany	0.1%	-2.48	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.00	0.00
India	-2.8%	-2.48	1.1%	1.2%	1.2%	0.0%	0.1%	0.0%	2.3%	0.0%	0.50	0.15
Indonesia	-0.4%	-2.48	0.2%	0.3%	0.3%	0.0%	0.1%	0.0%	0.7%	0.0%	0.38	0.15
Italy	0.1%	-2.48	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.2%	0.0%	0.00	0.00
Japan	0.3%	-2.48	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.3%	0.0%	0.00	0.00
Korea	0.2%	-2.48	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.00	0.00
Malaysia	-2.5%	-2.48	1.0%	1.1%	1.1%	0.0%	0.1%	0.0%	2.9%	0.0%	0.38	0.15
Mexico	-0.2%	-2.48	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.2%	0.0%	0.38	0.15
Netherlands	0.1%	-2.48	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	0.0%	0.00	0.00
Poland	-1.0%	-2.48	0.4%	0.4%	0.4%	0.0%	0.0%	0.0%	1.7%	0.0%	0.25	0.15
Russia	-2.3%	-2.48	0.9%	1.0%	1.0%	0.0%	0.0%	0.0%	3.9%	0.0%	0.25	0.15
South Africa	-0.1%	-2.48	0.1%	0.1%	0.1%	0.0%	0.1%	0.0%	0.4%	0.0%	0.25	0.15
Spain	0.1%	-2.48	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.00	0.00
Sweden	0.1%	-2.48	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.2%	0.0%	0.00	0.00
Switzerland	0.1%	-2.48	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%	0.0%	0.00	0.00
Thailand	-2.8%	-2.48	1.1%	1.2%	1.2%	0.0%	0.1%	0.0%	2.4%	0.0%	0.50	0.15
Turkey	1.3%	-2.48	-0.5%	-0.4%	-0.3%	0.1%	0.1%	0.0%	-1.3%	0.6%	0.25	0.15
United Kingdom	0.1%	-2.48	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.00	0.00
United States	0.1%	-2.48	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.00	0.00

Table 14. Breakdown of 2019 Policy Gap Contribution: Change in FX Reserves / GDP

I	able 15. Breakdo	own of 20	19 Policy Gap C	contribution:	Private Credit	t / GDP (HP	Detrended)	
	Overall Contribution	Coef.	Pol. Gap (1)- (3) - {(2)-(4)}	P - P* (1) - (2)	P <sup>/a</sup> (1)	P* (2)	P (Trading partners) (3)	P* (Trading partners) (4)
Argentina	0.1%	0.09	1.4%	-0.3%	-0.3%	0.0%	-2.0%	-0.4%
Australia	-0.4%	0.09	-4.7%	-5.5%	-5.5%	0.0%	-1.2%	-0.4%
Belgium	0.3%	0.09	2.9%	1.5%	1.5%	0.0%	-2.1%	-0.7%
Brazil	-0.2%	0.09	-1.7%	-2.9%	-2.9%	0.0%	-1.6%	-0.4%
Canada	0.5%	0.09	5.4%	5.4% 3.1% 3.1%		0.0%	-2.5%	-0.2%
China	0.0%	0.09	-0.1% 0.2% 0.2% 0.0%		0.0%	-0.3%		
France	0.5%	0.09	5.4%	3.5%	3.5%	0.0%	-2.7%	-0.8%
Germany	0.1%	0.09	1.5%	0.0%	-2.0%	-2.0%	-1.9%	-0.3%
India	-0.4%	0.09	-4.8%	-5.5%	-5.5%	0.0%	-1.0%	-0.3%
Indonesia	0.2%	0.09	2.0%	2.0%	2.0%	0.0%	-0.3%	-0.3%
Italy	-0.9%	0.09	-10.0%	-10.4%	-10.4%	0.0%	-1.1%	-0.7%
Japan	0.9%	0.09	9.4%	8.4%	8.4%	0.0%	-1.2%	-0.2%
Korea	0.2%	0.09	1.7%	2.1%	2.1%	0.0%	0.2%	-0.2%
Malaysia	0.1%	0.09	0.8%	0.6%	0.6%	0.0%	-0.4%	-0.2%
Mexico	0.3%	0.09	3.7%	1.5%	1.5%	0.0%	-2.4%	-0.2%
Netherlands	-1.1%	0.09	-11.6%	-12.4%	-12.4%	0.0%	-1.6%	-0.7%
Poland	-0.6%	0.09	-6.2%	-7.7%	-7.7%	0.0%	-2.4%	-0.8%
Russia	-0.6%	0.09	-6.7%	-7.6%	-7.6%	0.0%	-1.4%	-0.5%
South Africa	-0.2%	0.09	-2.0%	-2.8%	-2.8%	0.0%	-1.2%	-0.4%
Spain	-0.2%	0.09	-1.9%	-3.0%	-7.0%	-4.0%	-1.6%	-0.4%
Sweden	0.2%	0.09	1.9%	0.0%	0.0%	0.0%	-2.9%	-1.0%
Switzerland	0.9%	0.09	10.1%	8.7%	8.7%	0.0%	-2.1%	-0.7%
Thailand	0.2%	0.09	2.3%	2.8%	2.8%	0.0%	0.3%	-0.2%
Turkey	1.5%	0.09	16.3%	14.4%	14.4%	0.0%	-2.6%	-0.7%
United Kingdom	0.1%	0.09	1.4%	0.0%	0.0%	0.0%	-2.1%	-0.7%
United States	-0.5%	0.09	-5.0%	-4.0%	-4.0%	0.0%	0.7%	-0.3%

Table 15. Breakdown of 2019 Policy Gap Contribution: Private Credit / GDP (HP Detrended)

										Components				
	Overall Contribution	Coef.	Pol. Gap (1)- (3) - {(2)-(4)}	P - P* (1) - (2)	P <sup>/a</sup> (1)	P* (2)	P (Trading partners) (3)	P* (Trading partners) (4)	Real Interest Rate	(Real Interest Rate)*	Capital Controls	(Capital Controls)*		
Argentina	-3.7%	0.70	-5.3%	-5.3%	5.3%	10.6%	0.0%	0.0%	21.2%	21.2%	0.75	0.50		
Australia	0.1%	0.70	0.1%	0.0%	-0.8%	-0.8%	-0.4%	-0.3%	-0.9%	-0.9%	0.13	0.13		
Belgium	0.0%	0.70	0.0%	-0.1%	-1.7%	-1.6%	-0.9%	-0.8%	-1.7%	-1.6%	0.00	0.00		
Brazil	-0.2%	0.70	-0.2%	-0.2%	1.7%	1.9%	-0.3%	-0.3%	2.3%	2.3%	0.25	0.15		
Canada	0.0%	0.70	0.0%	0.0%	-0.3%	-0.3%	0.0%	0.0%	-0.3%	-0.3%	0.00	0.00		
China	-0.1%	0.70	-0.1%	0.0%	-0.1%	-0.1%	-0.2%	-0.4%	-0.1%	-0.1%	0.50	0.15		
France	0.0%	0.70	0.0%	-0.1%	-1.6%	-1.5%	-0.9%	-0.9%	-1.6%	-1.5%	0.00	0.00		
Germany	0.0%	0.70	0.0%	-0.1%	-1.8%	-1.7%	-0.7%	-0.6%	-1.8%	-1.7%	0.00	0.00		
India	-0.3%	0.70	-0.5%	-0.3%	0.7%	1.1%	-0.2%	-0.4%	1.4%	1.3%	0.50	0.15		
Indonesia	-0.2%	0.70	-0.3%	-0.3%	1.4%	1.7%	-0.2%	-0.3%	2.3%	2.0%	0.38	0.15		
Italy	0.0%	0.70	0.0%	-0.1%	-1.1%	-1.0%	-0.9%	-0.8%	-1.1%	-1.0%	0.00	0.00		
Japan	0.0%	0.70	-0.1%	0.0%	-0.8%	-0.8%	-0.2%	-0.2%	-0.8%	-0.8%	0.00	0.00		
Korea	0.4%	0.70	0.6%	0.6%	-0.7%	-1.3%	-0.3%	-0.3%	-0.7%	-1.3%	0.00	0.00		
Malaysia	0.5%	0.70	0.8%	0.8%	1.7%	0.8%	-0.2%	-0.2%	2.7%	1.0%	0.38	0.15		
Mexico	0.6%	0.70	0.8%	0.8%	2.7%	1.9%	0.0%	0.0%	4.4%	2.3%	0.38	0.15		
Netherlands	0.0%	0.70	0.0%	-0.1%	-3.1%	-3.1%	-0.9%	-0.8%	-3.1%	-3.1%	0.00	0.00		
Poland	0.0%	0.70	0.0%	0.0%	-0.1%	-0.1%	-0.7%	-0.8%	-0.1%	-0.1%	0.25	0.15		
Russia	0.5%	0.70	0.8%	0.7%	2.4%	1.7%	-0.6%	-0.5%	3.2%	2.0%	0.25	0.15		
South Africa	-0.2%	0.70	-0.2%	-0.2%	1.8%	2.0%	-0.5%	-0.5%	2.4%	2.4%	0.25	0.15		
Spain	0.0%	0.70	0.0%	-0.1%	-1.2%	-1.1%	-1.0%	-0.9%	-1.2%	-1.1%	0.00	0.00		
Sweden	0.1%	0.70	0.1%	0.0%	-1.4%	-1.4%	-0.9%	-0.8%	-1.4%	-1.4%	0.00	0.00		
Switzerland	0.7%	0.70	1.0%	0.9%	-1.1%	-2.0%	-0.9%	-0.9%	-1.1%	-2.0%	0.00	0.00		
Thailand	-0.1%	0.70	-0.1%	0.0%	0.2%	0.2%	-0.2%	-0.3%	0.4%	0.2%	0.50	0.15		
Turkey	-2.5%	0.70	-3.7%	-3.6%	0.7%	4.2%	-0.6%	-0.7%	0.9%	5.0%	0.25	0.15		
United Kingdom	0.1%	0.70	0.1%	0.0%	-1.0%	-1.0%	-0.9%	-0.8%	-1.0%	-1.0%	0.00	0.00		
United States	-0.1%	0.70	-0.1%	0.0%	0.3%	0.3%	-0.2%	-0.3%	0.3%	0.3%	0.00	0.00		

Table 16. Breakdown of 2019 Policy Gap Contribution: Real Short Term Interest Rates

VARIABLES	2018 Model
Lagged NFA/Y	-0.109***
Expected GDP growth of medium-term(5 years out), WEO project (rel to TRD PRT)	2.012***
Lagged Public health expenditure to GDP (rel to TRD PRT)	2.040**
Lag of VIX * capital account openness	-0.164**
Lag of VIX * capital account openness *share of own currency in global reserve	0.483
Share of the country's currency held as FX reserve by central banks worldwide	-0.068
Output Gap (rel to TRD PRT)	0.392*
Log commodity Terms Of Trade	0.184***
Lag of Trade Openness (avg. of exports and imports to GDP) (rel to TRD PRT)	-0.208**
Private credit/GDP gap (HP Detrended) (rel to TRD PRT)	0.093*
Change in reserves to GDP * capital controls (rel to TRD PRT) (New)	-2.479*
Population Growth (rel to TRD PRT)	2.003
Real interest rate differential interacted with K openness (rel to TRD PRT)	0.697***
Lag Demeaned PPPGDP/Top3(PPP)	0.217***
Lagged Home bias (rel to TRD PRT)	0.193***
Share of administered prices	-1.713***
Constant	4.482***
Observations	1,004
R-squared	0.548
RMSE	0.089
Number of countries	40

# Table 17. EBA Analysis of 2019 Index REER: Coefficients

Robust pval in parentheses \*\*\* p<0.01, \*\* p<0.05, \* p<0.1

## SECTION III— REER REGRESSION-BASED ANALYSIS: LEVEL REER

This section contains results from the EBA analysis of 2019 (year average) levels of the REER.

In comparison to Section III, the key difference is that the regression analysis uses as a dependent variable a measure of the level of the economy's real exchange rate (rather than a REER index, which contains no information about the relative prices across economies). The independent variables in the Level REER regression are similar, though not identical, to those used in the Index REER analysis.

The structure and presentation of the tables is similar to that of Section II.

			Ne	et Contributi	ons of Policy	Gaps		
	Total REER Gap <sup>/a</sup>	Sum	Health Exp.	Capital Control	Reserves	Private Credit	Real Interest Rate	Residual ڻ
Australia	10.2%	-1.5%	-1.5%	0.0%	0.1%	-0.2%	0.1%	11.7%
Belgium	17.1%	2.2%	1.9%	0.0%	0.2%	0.1%	0.0%	14.9%
Brazil	2.3%	-0.7%	-1.3%	-0.1%	0.8%	-0.1%	-0.1%	3.1%
Canada	-6.0%	0.8%	0.4%	0.0%	0.2%	0.2%	0.0%	-6.8%
China	11.4%	-1.9%	-1.7%	-0.2%	0.1%	0.0%	-0.1%	13.3%
France	3.2%	2.2%	1.9%	0.0%	0.2%	0.2%	0.0%	1.0%
Germany	-16.0%	1.2%	1.0%	0.0%	0.2%	0.0%	0.0%	-17.3%
India	10.2%	-4.6%	0.0%	-0.3%	-3.9%	-0.2%	-0.3%	14.8%
Indonesia	-9.0%	-5.2%	-4.5%	-0.2%	-0.4%	0.1%	-0.2%	-3.7%
Italy	4.4%	-0.5%	-0.4%	0.0%	0.2%	-0.3%	0.0%	4.9%
Japan	-12.5%	2.3%	1.6%	0.0%	0.4%	0.3%	0.0%	-14.8%
Korea	-8.0%	-1.5%	-2.2%	0.0%	0.3%	0.1%	0.4%	-6.6%
Malaysia	-38.0%	-10.9%	-7.7%	-0.2%	-3.5%	0.0%	0.4%	-27.1%
Mexico	-3.5%	-4.4%	-4.7%	-0.2%	-0.2%	0.1%	0.5%	1.0%
Netherlands	4.2%	-2.3%	-2.1%	0.0%	0.2%	-0.4%	0.0%	6.5%
Poland	-18.6%	-2.3%	-0.7%	-0.1%	-1.3%	-0.2%	0.0%	-16.3%
Russia	-14.5%	-12.0%	-8.9%	-0.1%	-3.3%	-0.2%	0.5%	-2.5%
South Africa	-3.3%	0.9%	1.3%	-0.1%	-0.1%	-0.1%	-0.1%	-4.3%
Spain	4.9%	0.7%	0.6%	0.0%	0.1%	-0.1%	0.0%	4.2%
Sweden	-19.0%	2.1%	1.7%	0.0%	0.2%	0.1%	0.1%	-21.1%
Switzerland	19.7%	2.1%	1.0%	0.0%	0.2%	0.3%	0.6%	17.6%
Thailand	-1.3%	-7.9%	-3.8%	-0.3%	-3.9%	0.1%	-0.1%	6.7%
Turkey	-20.5%	-0.2%	-0.3%	-0.1%	1.8%	0.5%	-2.1%	-20.3%
United Kingdom	-5.6%	-0.3%	-0.6%	0.0%	0.2%	0.0%	0.0%	-5.3%
United States	10.9%	2.2%	2.1%	0.0%	0.3%	-0.2%	0.0%	8.7%
Euro Area	-0.7%	0.7%	0.6%	0.0%	0.2%	0.0%	0.0%	-1.5%

Table 18. EBA Analysis of the 2019 Level of the REER

<sup>7a</sup> For multilateral consistency, adjusted by the weighted average of the 2019 regression residuals (subtracting -8.9%).

	All (su	um)	Healt	h Exp.	Capital (	Controls	∆ in Re	eserves	Private	Private Credit Int		st Rate
	Total	Dom.	Total	Dom.	Total	Dom.	Total	Dom.	Total	Dom.	Total	Dom.
Australia	-1.5%	-2.8%	-1.5%	-2.4%	0.0%	0.0%	0.1%	-0.2%	-0.2%	-0.2%	0.1%	0.0%
Belgium	2.2%	1.3%	1.9%	1.3%	0.0%	0.0%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%
Brazil	-0.7%	-1.9%	-1.3%	-2.2%	-0.1%	-0.1%	0.8%	0.6%	-0.1%	-0.1%	-0.1%	-0.1%
Canada	0.8%	0.2%	0.4%	0.1%	0.0%	0.0%	0.2%	0.0%	0.2%	0.1%	0.0%	0.0%
China	-1.9%	-3.0%	-1.7%	-2.6%	-0.2%	-0.2%	0.1%	-0.2%	0.0%	0.0%	-0.1%	0.0%
France	2.2%	1.3%	1.9%	1.3%	0.0%	0.0%	0.2%	0.0%	0.2%	0.1%	0.0%	0.0%
Germany	1.2%	0.1%	1.0%	0.2%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
India	-4.6%	-5.9%	0.0%	-1.0%	-0.3%	-0.3%	-3.9%	-4.2%	-0.2%	-0.2%	-0.3%	-0.2%
Indonesia	-5.2%	-7.1%	-4.5%	-5.9%	-0.2%	-0.2%	-0.4%	-0.9%	0.1%	0.1%	-0.2%	-0.2%
Italy	-0.5%	-1.3%	-0.4%	-0.9%	0.0%	0.0%	0.2%	0.0%	-0.3%	-0.3%	0.0%	0.0%
Japan	2.3%	0.3%	1.6%	0.0%	0.0%	0.0%	0.4%	0.0%	0.3%	0.3%	0.0%	0.0%
Korea	-1.5%	-3.0%	-2.2%	-3.4%	0.0%	0.0%	0.3%	0.0%	0.1%	0.1%	0.4%	0.4%
Malaysia	-10.9%	-12.3%	-7.7%	-8.8%	-0.2%	-0.2%	-3.5%	-3.8%	0.0%	0.0%	0.4%	0.5%
Mexico	-4.4%	-4.7%	-4.7%	-4.8%	-0.2%	-0.2%	-0.2%	-0.3%	0.1%	0.0%	0.5%	0.5%
Netherlands	-2.3%	-3.1%	-2.1%	-2.6%	0.0%	0.0%	0.2%	0.0%	-0.4%	-0.4%	0.0%	0.0%
Poland	-2.3%	-3.2%	-0.7%	-1.4%	-0.1%	-0.1%	-1.3%	-1.5%	-0.2%	-0.3%	0.0%	0.0%
Russia	-12.0%	-13.0%	-8.9%	-9.7%	-0.1%	-0.1%	-3.3%	-3.5%	-0.2%	-0.2%	0.5%	0.4%
South Africa	0.9%	-0.3%	1.3%	0.4%	-0.1%	-0.1%	-0.1%	-0.4%	-0.1%	-0.1%	-0.1%	-0.1%
Spain	0.7%	-0.1%	0.6%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.1%	-0.1%	0.0%	0.0%
Sweden	2.1%	1.3%	1.7%	1.3%	0.0%	0.0%	0.2%	0.0%	0.1%	0.0%	0.1%	0.0%
Switzerland	2.1%	1.4%	1.0%	0.5%	0.0%	0.0%	0.2%	0.0%	0.3%	0.3%	0.6%	0.5%
Thailand	-7.9%	-9.4%	-3.8%	-5.0%	-0.3%	-0.3%	-3.9%	-4.2%	0.1%	0.1%	-0.1%	0.0%
Turkey	-0.2%	-1.5%	-0.3%	-1.3%	-0.1%	-0.1%	1.8%	1.4%	0.5%	0.5%	-2.1%	-2.1%
United Kingdom	-0.3%	-1.1%	-0.6%	-1.1%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
United States	2.2%	0.5%	2.1%	0.6%	0.0%	0.0%	0.3%	0.0%	-0.2%	-0.1%	0.0%	0.0%

Table 19. EBA - Estimated Policy Gap Contributions to 2019 level of the REER

	Overall Contribution	Coef.	Pol. Gap (1)-(3) - {(2)-(4)}	P - P* (1) - (2)	P (1)	P* (2)	P (Trading partners) (3)	P* (Trading partners) (4)	P* benchmark from cross- country regression <sup>a</sup>
Australia	-1.5%	4.20	-0.4%	-0.6%	6.3%	6.9%	6.5%	6.8%	7.0%
Belgium	1.9%	4.20	0.4%	0.3%	8.0%	7.7%	7.4%	7.5%	7.2%
Brazil	-1.3%	4.20	-0.3%	-0.5%	3.9%	4.4%	6.8%	7.0%	3.5%
Canada	0.4%	4.20	0.1%	0.0%	7.1%	7.0%	7.4%	7.5%	7.0%
China	-1.7%	4.20	-0.4%	-0.6%	3.4%	4.0%	7.2%	7.4%	3.9%
France	1.9%	4.20	0.5%	0.3%	9.4%	9.1%	7.2%	7.3%	7.8%
Germany	1.0%	4.20	0.2%	0.0%	9.6%	9.5%	6.8%	7.0%	8.0%
India	0.0%	4.20	0.0%	-0.3%	1.4%	1.6%	6.7%	7.0%	1.8%
Indonesia	-4.5%	4.20	-1.1%	-1.4%	1.6%	3.0%	6.4%	6.7%	2.5%
Italy	-0.4%	4.20	-0.1%	-0.2%	6.6%	6.8%	7.4%	7.5%	7.8%
Japan	1.6%	4.20	0.4%	0.0%	9.0%	9.0%	5.8%	6.2%	9.0%
Korea	-2.2%	4.20	-0.5%	-0.8%	4.8%	5.6%	6.4%	6.6%	5.7%
Malaysia	-7.7%	4.20	-1.8%	-2.1%	2.0%	4.1%	6.5%	6.7%	4.4%
Mexico	-4.7%	4.20	-1.1%	-1.1%	2.8%	3.9%	7.6%	7.6%	3.7%
Netherlands	-2.1%	4.20	-0.5%	-0.6%	8.2%	8.8%	7.4%	7.5%	7.7%
Poland	-0.7%	4.20	-0.2%	-0.3%	5.1%	5.4%	7.5%	7.7%	6.0%
Russia	-8.9%	4.20	-2.1%	-2.3%	3.2%	5.5%	6.8%	7.0%	5.5%
South Africa	1.3%	4.20	0.3%	0.1%	4.2%	4.1%	6.9%	7.1%	2.9%
Spain	0.6%	4.20	0.1%	0.0%	6.2%	6.2%	7.4%	7.6%	6.8%
Sweden	1.7%	4.20	0.4%	0.3%	9.3%	9.0%	7.3%	7.5%	8.2%
Switzerland	1.0%	4.20	0.2%	0.1%	7.6%	7.5%	7.5%	7.6%	7.6%
Thailand	-3.8%	4.20	-0.9%	-1.2%	2.9%	4.1%	6.6%	6.9%	4.1%
Turkey	-0.3%	4.20	-0.1%	-0.3%	3.3%	3.6%	7.1%	7.3%	4.4%
United Kingdom	-0.6%	4.20	-0.1%	-0.3%	7.6%	7.9%	7.3%	7.4%	7.4%
United States	2.1%	4.20	0.5%	0.1%	8.4%	8.2%	6.0%	6.4%	7.4%

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		P= Lag	ged [VIX *	(Capital accou	unt openne	ess)] 1\	P= Lagge		apital Account ency in world r	-	Share of
	Overall Contribution	Contri- bution	Coef.	Policy Gap (7)-(8)	P (7)	P* (8)	Contri- bution	Coef.	Policy Gap (9)-(10)	P (9)	P* (10)
Australia	0.0%	0.0%	-0.15	0.0%	-4.5%	-4.5%	0.0%	0.83	0.0%	-0.1%	-0.1%
Belgium	0.0%	0.0%	-0.15	0.0%	-5.1%	-5.1%	0.0%	0.83	0.0%	-1.1%	-1.1%
Brazil	-0.1%	-0.1%	-0.15	0.5%	-3.8%	-4.3%	0.0%	0.83	0.0%	0.0%	0.0%
Canada	0.0%	0.0%	-0.15	0.0%	-5.1%	-5.1%	0.0%	0.83	0.0%	-0.1%	-0.1%
China	-0.2%	-0.3%	-0.15	1.8%	-2.6%	-4.3%	0.0%	0.83	0.0%	0.0%	-0.1%
France	0.0%	0.0%	-0.15	0.0%	-5.1%	-5.1%	0.0%	0.83	0.0%	-1.1%	-1.1%
Germany	0.0%	0.0%	-0.15	0.0%	-5.1%	-5.1%	0.0%	0.83	0.0%	-1.1%	-1.1%
India	-0.3%	-0.3%	-0.15	1.8%	-2.6%	-4.3%	0.0%	0.83	0.0%	0.0%	0.0%
Indonesia	-0.2%	-0.2%	-0.15	1.1%	-3.2%	-4.3%	0.0%	0.83	0.0%	0.0%	0.0%
Italy	0.0%	0.0%	-0.15	0.0%	-5.1%	-5.1%	0.0%	0.83	0.0%	-1.1%	-1.1%
Japan	0.0%	0.0%	-0.15	0.0%	-5.1%	-5.1%	0.0%	0.83	0.0%	-0.3%	-0.3%
Korea	0.0%	0.0%	-0.15	0.0%	-5.1%	-5.1%	0.0%	0.83	0.0%	0.0%	0.0%
Malaysia	-0.2%	-0.2%	-0.15	1.1%	-3.2%	-4.3%	0.0%	0.83	0.0%	0.0%	0.0%
Mexico	-0.2%	-0.2%	-0.15	1.1%	-3.2%	-4.3%	0.0%	0.83	0.0%	0.0%	0.0%
Netherlands	0.0%	0.0%	-0.15	0.0%	-5.1%	-5.1%	0.0%	0.83	0.0%	-1.1%	-1.1%
Poland	-0.1%	-0.1%	-0.15	0.5%	-3.8%	-4.3%	0.0%	0.83	0.0%	0.0%	0.0%
Russia	-0.1%	-0.1%	-0.15	0.5%	-3.8%	-4.3%	0.0%	0.83	0.0%	0.0%	0.0%
South Africa	-0.1%	-0.1%	-0.15	0.5%	-3.8%	-4.3%	0.0%	0.83	0.0%	0.0%	0.0%
Spain	0.0%	0.0%	-0.15	0.0%	-5.1%	-5.1%	0.0%	0.83	0.0%	-1.1%	-1.1%
Sweden	0.0%	0.0%	-0.15	0.0%	-5.1%	-5.1%	0.0%	0.83	0.0%	0.0%	0.0%
Switzerland	0.0%	0.0%	-0.15	0.0%	-5.1%	-5.1%	0.0%	0.83	0.0%	0.0%	0.0%
Thailand	-0.3%	-0.3%	-0.15	1.8%	-2.6%	-4.3%	0.0%	0.83	0.0%	0.0%	0.0%
Turkey	-0.1%	-0.1%	-0.15	0.5%	-3.8%	-4.3%	0.0%	0.83	0.0%	0.0%	0.0%
United Kingdom	0.0%	0.0%	-0.15	0.0%	-5.1%	-5.1%	0.0%	0.83	0.0%	-0.2%	-0.2%
United States	0.0%	0.0%	-0.15	0.0%	-5.1%	-5.1%	0.0%	0.83	0.0%	-3.2%	-3.2%

Table 21. Breakdown of 2019 Policy Gap Contribution: Capital Controls
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1/ Capital Account Openness defined as (1- Capital Account Controls)

									Components			
	Overall Contribution	Coef.	Pol. Gap (1)- (3) - {(2)-(4)}	P - P* (1) - (2)	P <sup>/a</sup> (1)	P* (2)	P (Trading partners) (3)	P* (Trading partners) (4)	Reserves to GDP	(Reserves to GDP)*	Capital Controls	(Capital Controls)*
Australia	0.1%	-3.56	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.5%	0.0%	0.13	0.13
Belgium	0.2%	-3.56	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.3%	0.0%	0.00	0.00
Brazil	0.8%	-3.56	-0.2%	-0.2%	-0.2%	0.0%	0.1%	0.0%	-0.6%	0.0%	0.25	0.15
Canada	0.2%	-3.56	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.00	0.00
China	0.1%	-3.56	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.1%	0.0%	0.50	0.15
France	0.2%	-3.56	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.00	0.00
Germany	0.2%	-3.56	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.00	0.00
India	-3.9%	-3.56	1.1%	1.2%	1.2%	0.0%	0.1%	0.0%	2.3%	0.0%	0.50	0.15
Indonesia	-0.4%	-3.56	0.1%	0.3%	0.3%	0.0%	0.1%	0.0%	0.7%	0.0%	0.38	0.15
Italy	0.2%	-3.56	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.2%	0.0%	0.00	0.00
Japan	0.4%	-3.56	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.3%	0.0%	0.00	0.00
Korea	0.3%	-3.56	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.00	0.00
Malaysia	-3.5%	-3.56	1.0%	1.1%	1.1%	0.0%	0.1%	0.0%	2.9%	0.0%	0.38	0.15
Mexico	-0.2%	-3.56	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.2%	0.0%	0.38	0.15
Netherlands	0.2%	-3.56	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.5%	0.0%	0.00	0.00
Poland	-1.3%	-3.56	0.4%	0.4%	0.4%	0.0%	0.1%	0.0%	1.7%	0.0%	0.25	0.15
Russia	-3.3%	-3.56	0.9%	1.0%	1.0%	0.0%	0.1%	0.0%	3.9%	0.0%	0.25	0.15
South Africa	-0.1%	-3.56	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.4%	0.0%	0.25	0.15
Spain	0.1%	-3.56	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.00	0.00
Sweden	0.2%	-3.56	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	-1.2%	0.0%	0.00	0.00
Switzerland	0.2%	-3.56	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%	0.0%	0.00	0.00
Thailand	-3.9%	-3.56	1.1%	1.2%	1.2%	0.0%	0.1%	0.0%	2.4%	0.0%	0.50	0.15
Turkey	1.8%	-3.56	-0.5%	-0.4%	-0.3%	0.1%	0.1%	0.0%	-1.3%	0.6%	0.25	0.15
United Kingdom	0.2%	-3.56	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.1%	0.0%	0.00	0.00
United States	0.3%	-3.56	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.00	0.00

Table 22. Breakdown of 2019 Policy Gap Contribution: Change in FX Reserves / GDP

/a For multilateral consistency, adjusted by the weighted average of the 2019 regression residuals (subtracting -8.9%).

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	Overall Contribution	Coef.	Pol. Gap (1)- (3) - {(2)-(4)}	P - P* (1) - (2)	P <sup>/a</sup> (1)	P* (2)	P (Trading partners) (3)	P* (Trading partners) (4)		
Australia	-0.2%	0.03	-4.7%	-5.5%	-5.5%	0.0%	-1.2%	-0.5%		
Belgium	0.1%	0.03	2.9%	1.5%	1.5%	0.0%	-2.1%	-0.7%		
Brazil	-0.1%	0.03	-1.6%	-2.9%	-2.9%	0.0%	-1.7%	-0.4%		
Canada	0.2%	0.03	5.4%	3.1%	3.1%	0.0%	-2.5%	-0.2%		
China	0.0%	0.03	-0.1%	0.2%	0.2%	0.0%	0.1%	-0.3%		
France	0.2%	0.03	5.4%	3.5%	3.5%	0.0%	-2.7%	-0.8%		
Germany	0.0%	0.03	1.5%	0.0%	-2.0%	-2.0%	-1.9%	-0.4%		
India	-0.2%	0.03	-4.8%	-5.5%	-5.5%	0.0%	-1.0%	-0.3%		
Indonesia	0.1%	0.03	2.0%	2.0%	2.0%	0.0%	-0.3%	-0.3%		
Italy	-0.3%	0.03	-10.1%	-10.4%	-10.4%	0.0%	-1.1%	-0.7%		
Japan	0.3%	0.03	9.4%	8.4%	8.4%	0.0%	-1.2%	-0.2%		
Korea	0.1%	0.03	1.6%	2.1%	2.1%	0.0%	0.2%	-0.2%		
Malaysia	0.0%	0.03	0.8%	0.6%	0.6%	0.0%	-0.4%	-0.2%		
Mexico	0.1%	0.03	3.7%	1.5%	1.5%	0.0%	-2.4%	-0.2%		
Netherlands	-0.4%	0.03	-11.6%	-12.4%	-12.4%	0.0%	-1.6%	-0.8%		
Poland	-0.2%	0.03	-6.2%	-7.7%	-7.7%	0.0%	-2.4%	-0.9%		
Russia	-0.2%	0.03	-6.8%	-7.6%	-7.6%	0.0%	-1.4%	-0.5%		
South Africa	-0.1%	0.03	-2.0%	-2.8%	-2.8%	0.0%	-1.2%	-0.4%		
Spain	-0.1%	0.03	-1.9%	-3.0%	-7.0%	-4.0%	-1.5%	-0.5%		
Sweden	0.1%	0.03	1.9%	0.0%	0.0%	0.0%	-2.9%	-1.1%		
Switzerland	0.3%	0.03	10.1%	8.7%	8.7%	0.0%	-2.1%	-0.7%		
Thailand	0.1%	0.03	2.2%	2.8%	2.8%	0.0%	0.4%	-0.3%		
Turkey	0.5%	0.03	16.3%	14.4%	14.4%	0.0%	-2.6%	-0.7%		
United Kingdom	0.0%	0.03	1.4%	0.0%	0.0%	0.0%	-2.1%	-0.7%		
United States	-0.2%	0.03	-5.1%	-4.0%	-4.0%	0.0%	0.8%	-0.3%		

Table 23. Breakdown of 2019 Policy Gap Contribution: Private Credit / GDP (HP Detrended)

/a For multilateral consistency, adjusted by the weighted average of the 2019 regression residuals (subtracting -8.9%).

									Components				
	Overall Contribution	Coef.	Pol. Gap (1)- (3) - {(2)-(4)}	P - P* (1) - (2)	P <sup>/a</sup> (1)	P* (2)	P (Trading partners) (3)	P* (Trading partners) (4)	Real Interest Rate	(Real Interest Rate)*	Capital Controls	(Capital Controls)*	
Australia	0.1%	0.59	0.1%	0.0%	-0.8%	-0.8%	-0.4%	-0.3%	-0.9%	-0.9%	12.5%	12.5%	
Belgium	0.0%	0.59	0.0%	-0.1%	-1.7%	-1.6%	-0.9%	-0.8%	-1.7%	-1.6%	0.0%	0.0%	
Brazil	-0.1%	0.59	-0.2%	-0.2%	1.7%	1.9%	-0.3%	-0.3%	2.3%	2.3%	25.0%	15.3%	
Canada	0.0%	0.59	0.0%	0.0%	-0.3%	-0.3%	0.0%	0.0%	-0.3%	-0.3%	0.0%	0.0%	
China	-0.1%	0.59	-0.1%	0.0%	-0.1%	-0.1%	-0.2%	-0.4%	-0.1%	-0.1%	50.0%	15.3%	
France	0.0%	0.59	0.0%	-0.1%	-1.6%	-1.5%	-0.9%	-0.9%	-1.6%	-1.5%	0.0%	0.0%	
Germany	0.0%	0.59	0.0%	-0.1%	-1.8%	-1.7%	-0.7%	-0.6%	-1.8%	-1.7%	0.0%	0.0%	
India	-0.3%	0.59	-0.5%	-0.3%	0.7%	1.1%	-0.2%	-0.4%	1.4%	1.3%	50.0%	15.3%	
Indonesia	-0.2%	0.59	-0.3%	-0.3%	1.4%	1.7%	-0.2%	-0.3%	2.3%	2.0%	37.5%	15.3%	
Italy	0.0%	0.59	0.0%	-0.1%	-1.1%	-1.0%	-0.9%	-0.8%	-1.1%	-1.0%	0.0%	0.0%	
Japan	0.0%	0.59	-0.1%	0.0%	-0.8%	-0.8%	-0.2%	-0.2%	-0.8%	-0.8%	0.0%	0.0%	
Korea	0.4%	0.59	0.6%	0.6%	-0.7%	-1.3%	-0.3%	-0.3%	-0.7%	-1.3%	0.0%	0.0%	
Malaysia	0.4%	0.59	0.8%	0.8%	1.7%	0.8%	-0.2%	-0.2%	2.7%	1.0%	37.5%	15.3%	
Mexico	0.5%	0.59	0.8%	0.8%	2.7%	1.9%	0.0%	0.0%	4.4%	2.3%	37.5%	15.3%	
Netherlands	0.0%	0.59	0.0%	-0.1%	-3.1%	-3.1%	-0.9%	-0.8%	-3.1%	-3.1%	0.0%	0.0%	
Poland	0.0%	0.59	0.0%	0.0%	-0.1%	-0.1%	-0.7%	-0.8%	-0.1%	-0.1%	25.0%	15.3%	
Russia	0.5%	0.59	0.8%	0.7%	2.4%	1.7%	-0.6%	-0.5%	3.2%	2.0%	25.0%	15.3%	
South Africa	-0.1%	0.59	-0.2%	-0.2%	1.8%	2.0%	-0.5%	-0.5%	2.4%	2.4%	25.0%	15.3%	
Spain	0.0%	0.59	0.0%	-0.1%	-1.2%	-1.1%	-1.0%	-0.9%	-1.2%	-1.1%	0.0%	0.0%	
Sweden	0.1%	0.59	0.1%	0.0%	-1.4%	-1.4%	-0.9%	-0.8%	-1.4%	-1.4%	0.0%	0.0%	
Switzerland	0.6%	0.59	1.0%	0.9%	-1.1%	-2.0%	-0.9%	-0.9%	-1.1%	-2.0%	0.0%	0.0%	
Thailand	-0.1%	0.59	-0.1%	0.0%	0.2%	0.2%	-0.2%	-0.3%	0.4%	0.2%	50.0%	15.3%	
Turkey	-2.1%	0.59	-3.7%	-3.6%	0.7%	4.2%	-0.6%	-0.7%	0.9%	5.0%	25.0%	15.3%	
United Kingdom	0.0%	0.59	0.1%	0.0%	-1.0%	-1.0%	-0.9%	-0.8%	-1.0%	-1.0%	0.0%	0.0%	
United States	0.0%	0.59	-0.1%	0.0%	0.3%	0.3%	-0.2%	-0.3%	0.3%	0.3%	0.0%	0.0%	

Table 24. Breakdown of 2019 Policy Gap Contribution: Real Short Term Interest Rates

/a For multilateral consistency, adjusted by the weighted average of the 2019 regression residuals (subtracting -8.9%).

VARIABLES	Specification
Lag of NFA/GDP	0.06***
Expected GDP growth of medium-term(5 years out), WEO project (rel to TRD PRT)	1.96**
Lag of health expenditure to GDP (rel to TRD PRT)	4.20***
Lag of VIX * capital account openness	-0.15
Lag of VIX * capital account openness *share of own currency in global reserve	0.83
Lag of Trade Openness (avg. of exports and imports to GDP) (rel to TRD PRT)	-0.34***
Share of the country's currency held as FX reserve by central banks worldwide	-0.36***
Log Commodity ToT (43) levels in 2011 vs trading partner	0.06***
Private credit/GDP (rel to TRD PRT), Detrended	0.03
Change in reserves to GDP * cap controls (rel to TRD PRT) (New)	-3.56*
Population Growth (rel to TRD PRT)	2.57
Dependency Ratio (rel to TRD PRT)	0.36*
Political Risk Rating (rel to TRD PRT) (ICRG-12)	0.65***
Real interest rate differential demeaned interacted with K openness (rel to TRD	0.59*
Lag Demeaned PPPGDP/Top3(PPP)]	0.17***
Lag Capital stock per employed person at current PPPs (2005US\$) (rel to TRD PRT)	0.11***
Lag Ratio Traded/Non Traded relative to trd part (in logs)	0.18***
Share of administered prices in CPI	-2.81***
VAT Revenue, % of GDP (rel to TRD PRT)	0.66
Constant	0.19***
Observations	990
R-squared	0.90
RMSE	0.1456
Number of Countries	39

 $^{\ast}$  significant at 10%;  $^{\ast\ast}$  significant at 5%;  $^{\ast\ast\ast}$  signigicant at 1%

### SECTION IV— EXTERNAL SUSTAINABILITY ANALYSIS

The table on the following page presents results from the application of the External Sustainability (ES) approach, which was originally developed based on the CGER methodology.

The ES approach calculates the CA/GDP adjustment consistent with stabilizing NFA/GDP at a benchmark level, which is set at the 2018 actual level (first column).<sup>3</sup> More precisely, this approach calculates the CA/GDP level that would stabilize the NFA/GDP at the benchmark level, and compares it to the 2019 cyclically-adjusted CA/GDP. The resulting CA gap is shown in the fifth column, and the corresponding REER gap in the last column.

<sup>&</sup>lt;sup>3</sup> We rely on 2018 NFA/GDP due to data availability. NFA is calculated following the methodology of <u>Lane and Milesi-Ferretti (2007)</u>.

	2018 NFA/GDP	Actual 2019 CA/GDP <sup>2</sup>	Cyclically adjusted 2019 CA/GDP	CA/GDP Stabilizing NFA at 2018 Level	CA/GDP Gap	Assumed CA/REER Elasticity <sup>3</sup>	Corresponding REER Gap <sup>4</sup>
	(A)	(B)	(C)	(D)	(C) - (D)	(F)	(G)
Argentina	16.0%	-0.7%	-1.4%	0.6%	-2.0%	0.14	14.6%
Australia	-54.8%	0.5%	0.3%	-2.3%	2.7%	0.20	-13.4%
Belgium	36.7%	-1.1%	-0.9%	1.3%	-2.2%	0.42	5.3%
Brazil	-34.8%	-2.7%	-3.7%	-1.4%	-2.2%	0.10	21.3%
Canada	34.4%	-2.0%	-2.0%	1.7%	-3.6%	0.27	13.6%
China	15.5%	1.0%	0.7%	1.1%	-0.4%	0.23	2.0%
France	-20.2%	-0.6%	-0.4%	-0.7%	0.3%	0.26	-1.2%
Germany	59.5%	7.1%	7.3%	2.1%	5.2%	0.36	-14.2%
India	-28.7%	-1.1%	-1.4%	-2.4%	1.0%	0.15	-6.7%
Indonesia	-31.3%	-2.7%	-2.7%	-2.2%	-0.5%	0.17	3.0%
Italy	-10.1%	2.9%	2.6%	-0.3%	2.9%	0.24	-12.0%
Japan	64.8%	3.6%	3.3%	3.6%	-0.3%	0.13	2.5%
Korea	26.2%	3.6%	3.3%	1.2%	2.1%	0.23	-9.3%
Malaysia	-5.6%	3.4%	3.5%	-0.4%	3.9%	0.46	-8.5%
Mexico	-50.4%	-0.3%	-0.5%	-1.9%	1.5%	0.13	-11.2%
Netherlands	68.7%	10.2%	10.5%	2.5%	8.0%	0.69	-11.5%
Poland	-56.5%	2.5%	2.6%	-2.8%	5.5%	0.43	-12.8%
Russia	20.7%	3.8%	3.7%	0.9%	2.8%	0.25	-11.3%
South Africa	12.0%	-3.0%	-3.2%	0.4%	-3.6%	0.26	13.6%
Spain	-81.9%	2.3%	2.6%	-3.0%	5.6%	0.28	-19.9%
Sweden	7.2%	4.2%	4.6%	0.3%	4.3%	0.35	-12.2%
Switzerland	122.6%	11.0%	11.1%	8.7%	2.5%	0.53	-4.7%
Thailand	-3.6%	7.0%	6.6%	-0.2%	6.8%	0.57	-12.0%
Turkey 4/	-55.9%	1.2%	0.9%	-3.1%	4.0%	0.23	-17.7%
United Kingdom	-13.5%	-3.8%	-3.8%	-0.5%	-3.3%	0.25	13.4%
United States	-48.1%	-2.3%	-2.0%	-0.8%	-1.2%	0.11	10.6%

#### Table 26. External Sustainability Approach: NFA-stabilizing Current Accounts<sup>1</sup>

<sup>1</sup>Based on the CGER "ES" methodology ; CA includes capital account in addition to current account.

<sup>2</sup>Based on WEO database as of June 25<sup>th</sup> 2020

<sup>3</sup>Based on WEO database as of April 7<sup>th</sup> 2020

<sup>4</sup>In most cases, figures shown are based on a common elasticity assumption of -0.71 for exports and 0.92 for imports, which were estimated from a previous CGER model. These estimated elasticities can differ from staff-assessed elasticities due to additional country-specific considerations.