

IMF Country Report No. 19/123

PEOPLE'S REPUBLIC OF CHINA— MACAO SPECIAL ADMINISTRATIVE REGION

May 2019

2019 ARTICLE IV CONSULTATION DISCUSSIONS— PRESS RELEASE; STAFF REPORT; AND STATEMENT BY THE EXECUTIVE DIRECTOR FOR MACAO SAR

Under Article IV of the IMF's Articles of Agreement, the IMF holds bilateral discussions with members, usually every year. In the context of the 2019 Article IV consultation with the People's Republic of China—Macao Special Administrative Region, the following documents have been released and are included in this package:

- A **Press Release** summarizing the views of the Executive Board as expressed during its April 24, 2019 consideration of the staff report that concluded the Article IV consultation with Macao SAR.
- The **Staff Report** prepared by a staff team of the IMF for the Executive Board's consideration on April 24, 2019, following discussions that ended on February 25, 2019, with officials of Macao SAR on economic developments and policies. Based on information available at the time of these discussions, the staff report was completed on April 5, 2019.
- An Informational Annex prepared by the IMF staff.
- A Statement by the Executive Director for Macao SAR.

The IMF's transparency policy allows for the deletion of market-sensitive information and premature disclosure of the authorities' policy intentions in published staff reports and other documents.

Copies of this report are available to the public from

International Monetary Fund • Publication Services PO Box 92780 • Washington, D.C. 20090 Telephone: (202) 623-7430 • Fax: (202) 623-7201 E-mail: <u>publications@imf.org</u> Web: <u>http://www.imf.org</u> Price: \$18.00 per printed copy

International Monetary Fund Washington, D.C.

© 2019 International Monetary Fund



Press Release No. 19/153 FOR IMMEDIATE RELEASE May 9, 2019 International Monetary Fund 700 19th Street, NW Washington, D. C. 20431 USA

IMF Executive Board Concludes 2019 Article IV Consultation with People's Republic of China—Macao Special Administrative Region

On April 24, 2019, the Executive Board of the International Monetary Fund (IMF) concluded the Article IV consultation discussions¹ with Macao Special Administrative Region (SAR).

Recent Developments and Outlook

Macao SAR is the largest casino center in the world and gaming tourism drives its growth. This small open economy has grown rapidly since its return to Chinese sovereignty in 1999 and the liberalization of the gaming sector in 2002. Over this expansive period, Macao SAR has accumulated large fiscal and foreign reserve assets—standing at 121 and 40 percent of GDP respectively in 2017—with zero public debt.

The economy returned to expansion in mid-2016. Gaming and tourism revenue returned to strong growth in 2017 and early 2018. Growth moderated in the second half of 2018, including from weaker investment and reduced external demand from high-spending visitors (i.e. VIP) linked to Mainland's deleveraging effort and U.S.-China trade tensions. Growth recorded 4.7 percent in 2018 (from 9.7 percent in 2017). Inflation picked up over 2018 driven by housing, food, and energy prices. Credit continued to expand over 2018, while the lending interest rate slightly increased. Property prices recovered with the economic rebound, but they were flat in the second half of 2018. Unemployment remains low.

Growth is projected at 4.3 percent in 2019 and to remain solid over the medium term at about 4 percent. The main driver of projected medium-term growth is tourism, with non-VIP tourism further expanding, but more subdued VIP gaming growth, in line with authorities' diversification efforts towards more stable sources of growth.

Executive Board Assessment²

Executive Directors commended Macao SAR's macroeconomic performance over the years, which has resulted in one of the highest per capita incomes in the world with zero public debt

¹ Under Article IV of the IMF's Articles of Agreement, the IMF holds bilateral discussions with members, usually every year. A staff team visits the country, collects economic and financial information, and discusses with officials the country's economic developments and policies. On return to headquarters, the staff prepares a report, which forms the basis for discussion by the Executive Board.

² At the conclusion of the discussion, the Managing Director, as Chairman of the Board, summarizes the views of Executive Directors, and this summary is transmitted to the country's authorities. An explanation of any qualifiers used in summings up can be found here: <u>http://www.imf.org/external/np/sec/misc/qualifiers.htm</u>.

levels. Directors indicated that prudent macroeconomic policies and high reserves provide strong buffers against shocks for Macao SAR, though they noted that growth risks are tilted to the downside. Looking ahead, Directors supported the authorities' efforts in enhancing growth resilience through diversification.

Directors saw the need for a comprehensive reform agenda to support fiscal policymaking. While acknowledging that the current balanced budget rule has been instrumental in maintaining prudent fiscal policy, they saw merit in an integrated medium/long-term fiscal framework that could include countercyclical fiscal policy, along with the planned Macao Investment and Development Fund (MIDF) that is managed and governed under international standards. Directors noted that such a framework will help increase efficiency in the use of fiscal reserves, ensure that priority spending supports the diversification agenda and fosters inclusion, and help ensure long-term fiscal sustainability and intergenerational equity in an aging society.

Directors concurred that the financial sector remains sound with healthy liquidity and asset quality. They welcomed the steps taken to strengthen supervision and regulatory cooperation across jurisdictions. Given the large size of the financial sector and the significant short-term foreign liabilities, Directors called for continued supervisory caution, including for sound Fintech adoption. They also welcomed the strengthening of the AML/CFT framework and called for sustained efforts, particularly for the gaming sector.

Directors agreed that the current housing macroprudential stance and related fiscal measures appear broadly appropriate and that systemic risks in the housing market seem broadly contained. They stressed that housing affordability concerns should be addressed by a broad set of housing supply policies.

Directors agreed that diversification policies should be guided by a careful study of Macao SAR's comparative advantage. They commended the progress made by the authorities and agreed with the principle of diversification towards mass-gaming and non-gaming tourism and bolstering financial sector development. They noted the importance of supportive policies, including advancing infrastructure plans to ease supply-side bottlenecks and fostering a highly educated workforce.

Directors agreed that the exchange rate peg has provided monetary stability, continues to serve Macao SAR well and should be maintained. Directors also took note of the staff's assessment that Macao SAR's external position is substantially stronger than implied by medium-term fundamentals.

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
	2010	2011	LUIL	2015	2014	2015	2010	2017	Est.	2015	2020	Pr		2025	
					(A	nnual perc	entage cha	inge, unless		e specified)			-j.		
National accounts															
Real GDP	25.3	21.7	9.2	11.2	-1.2	-21.6	-0.9	9.7	4.7	4.3	4.2	4.1	4.1	4.1	4
Total domestic demand	-0.4	13.9	10.3	6.5	16.7	2.9	-5.4	-1.2	-1.7	-0.6	1.4	2.5	2.7	2.7	2
Consumption	5.4	9.7	7.0	6.4	6.0	2.7	0.6	1.7	4.3	3.0	2.7	3.1	3.3	3.2	3
Investment	-12.0	23.6	17.0	6.8	36.3	3.3	-14.0	-6.2	-12.4	-8.5	-1.7	0.9	1.3	1.3	1
Net exports 1/	25.5	15.4	4.9	8.5	-7.9	-22.9	2.4	10.4	5.7	4.5	3.5	3.0	2.9	2.9	2
Exports	39.7 16.7	25.7 22.0	10.5 14.3	13.2 10.7	-4.5 12.5	-26.6 1.1	-1.9 -10.1	16.9 7.0	9.5 6.1	6.7 3.5	5.5 3.9	5.0 4.3	4.8 3.9	4.8 3.9	4
Imports Gross fixed capital formation (in percent of GDP)	10.7	22.0 12.4	14.3	10.7	12.5	24.6	21.7	19.3	6.1 16.0	3.5 14.1	3.9 13.2	4.3 12.8	3.9 12.4	3.9 12.0	3 11
National savings (in percent of GDP)	52.7	54.7	54.0	54.3	53.8	24.0 50.4	48.7	51.9	50.8	51.2	51.7	52.0	52.4	52.7	53
Prices and employment	52.1	54.7	54.0	54.5	55.0	50.4	40.7	51.5	50.0	51.2	51.7	52.0	52.4	52.1	5.
Headline inflation (average)	2.8	5.8	6.1	5.5	6.1	4.6	2.4	1.2	3.0	2.5	2.7	3.0	3.1	3.1	
Terms of Trade	-0.9	0.7	-2.3	-0.1	-0.5	0.8	0.5	0.2	-0.2	0.5	0.1	0.1	0.1	0.1	
Housing prices	33.5	33.6	38.4	42.6	22.0	-13.0	-0.6	16.8	7.5						
Aedian monthly employment earnings	5.9	11.1	13.0	6.2	10.8	12.8	0.0	0.0	6.7						
Jnemployment rate (annual average)	2.8	2.6	2.0	1.8	1.7	1.8	1.9	2.0	1.8	 1.8	 1.8	 1.8	 1.8	 1.8	
						(In percen	t of GDP, u	nless other	wise specif	ied)					
iscal accounts															
General government balance	19.5	24.8	24.1	27.0	24.0	13.7	11.4	13.2	14.1	14.2	13.8	13.3	12.9	12.4	1
Budgetary Central Government Balance	18.1	22.1	21.8	23.5	20.5	8.7	6.3	10.6	12.5	12.6	12.2	11.7	11.3	10.8	1
Revenue	34.8	38.3	37.6	36.6	35.2	30.1	28.0	29.1	30.1	29.7	29.3	29.0	28.6	28.3	2
Expenditure	16.7	16.1	15.6	13.1	14.6	21.4	21.7	18.5	17.6	17.1	17.2	17.3	17.4	17.5	
Extra-budgetary funds balance	0.4	1.4	1.0	1.0	0.9	0.6	0.5	1.0	0.6	0.5	0.5	0.5	0.5	0.5	
Social security funds balance	0.9	1.3	1.3	2.5	2.5	4.5	4.6	1.7	1.0	1.1	1.1	1.1	1.1	1.1	
Total public debt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Fiscal Reserve 2/			29.2	41.0	55.7	95.3	121.1	120.8	115.6	123.4	130.8	136.8	141.8	146.2	14
Balance of payments	20.4	10.0	20.2					22.0	25.0		207	20.5	10.0		
Current account	39.4	40.9	39.3	40.2	34.2	25.3	27.2	33.0	35.0	37.4	38.7	39.5	40.2	40.9	4
Goods Services	-20.2 75.3	-21.1 79.1	-21.0 79.0	-20.5 80.7	-21.4 74.7	-25.6 64.8	-22.3 64.0	-20.8 67.8	-20.1 70.6	-19.2 71.7	-18.4 71.8	-18.0 71.7	-17.5 71.5	-17.0 71.3	-1
Income	-15.7	-17.1	-18.8	-20.0	-19.1	-13.9	-14.4	-14.0	-15.5	-15.2	-14.7	-14.3	-13.8	-13.3	-1
inancial account	-13.7	-17.1	-16.6	-20.0	22.8	-15.9	27.0	32.6	31.6	31.4	32.3	- 14.5	32.2	35.4	-
FDI	-13.9	-3.8	-5.9	-2.9	-1.8	-1.3	-3.7	2.3	3.5	2.2	3.7	3.8	5.1	9.1	
Portfolio investment	3.0	5.1	6.7	24.1	10.2	26.9	6.7	20.0	15.0	16.5	16.5	16.4	16.2	15.9	
Financial derivatives	0.0	0.1	-0.3	-1.2	-0.6	-0.7	0.8	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-
Other investment	16.7	5.0	34.3	15.4	14.9	-18.7	23.2	11.0	13.7	13.2	12.7	12.1	11.6	11.1	1
Errors and omissions	-15.3	-10.3	4.3	-5.9	-11.2	-14.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	
Reserve Asset	18.3	27.7	8.8	-1.1	0.1	5.1	1.0	0.4	3.3	5.9	6.3	7.7	7.9	5.5	
Foreign exchange reserves															
(In billion of US dollars) 2/	23.7	34.0	16.6	16.1	16.4	18.9	19.5	20.2	20.3						
Gross external debt	113.1	127.8	119.2	120.6	133.5	198.9	172.2	166.7	182.0	184.0	186.0	188.0	190.0	192.0	19
increased an extern						(,	Annual per	centage cha	ange)						
Financial sector															
Loans	31.6	31.2	26.2	31.4	29.0	10.3	3.1	14.2	12.9						
Resident	29.3	28.5	18.4	29.6	31.8	14.8	8.6	8.4	10.2						
Mortgages	45.6	25.3	29.2	25.9	19.9	10.1	8.7	6.9	12.6						
Others	21.6	30.3	12.5	32.0	39.0	17.1	8.6	9.2	9.0						
Nonresident	34.4	34.3	34.6	33.2	26.4	6.0	-2.7	21.0	15.7						
Mortgages	18.4	9.8	21.5	-6.2	6.1	22.3	-3.7	-1.6	-3.7						
Others	35.2	35.3	35.1	34.4	26.8	5.8	-2.7	21.5	16.0						
Domestic credit to residents (in percent of GDP)	58.0	56.9	57.7	62.5	76.7	107.4	116.7	113.0	114.7						
Domestic credit to non-residents	50.0	50.5	51.1	02.5	70.7	107.4	110.7	115.0	114.7						
(in percent of GDP)	51.2	52.6	60.6	67.4	79.3	102.6	99.8	107.8	115.0						
Household domestic credit to residents	51.2	52.0	00.0	0111	10.0	102.0	55.0	107.0	115.0						
(in percent of GDP)	27.1	26.9	29.7	35.0	43.1	57.6	63.8	60.1	62.6						
Household domestic credit to non-residents															
(in percent of GDP)	2.5	2.2	2.8	4.0	4.4	4.2	4.7	4.6	4.9						
Interest rates															
Discount window base rate (level, %, eop)	0.5	0.5	0.5	0.5	0.5	0.8	1.0	1.8	2.8						
Saving deposit rate (level, %, average)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
MAIBOR 3-month (level, %, eop)	0.3	0.4	0.4	0.4	0.4	0.4	1.0	1.3	2.4						
Fourism	14.0	10.0	0.2		7 5	2.0	0.0	F 4	0.0						
Visitor arrivals	14.8	12.2	0.3	4.4	7.5	-2.6	0.8	5.4	9.8						
Gaming revenue	57.5	41.9	13.4	18.6	-2.5	-34.3	-3.3	19.0	14.0						
Exchange rate MOP per USD, period average	0.2	0.2	-0.4	0.0	0.0	0.0	0.1	0.4	0.6						
Nominal effective exchange rate	0.2	0.2	-0.4	0.0	0.0	0.0	0.1	0.4	0.0						
(avearge, +=appreciation)	-0.8	-5.0	1.7	0.2	0.3	7.0	1.5	-0.1	-2.5						
Real effective exchange rate	0.0	5.0	1.7	0.2	0.5	7.0	1.5	0.1	د.ے						
(avearge, +=appreciation)	-1.2	-1.7	2.9	2.2	3.7	6.9	3.3	-0.9	-0.9						
(30, · approciación)	1.4	1.7	2.5		5.7	0.5	5.5	0.5	0.5						
Memorandum items:															
Memorandum items: Nominal GDP (in millions of US dollars)	28,123.7	36,708.0	43,031.8	51,552.4	55,348	45,362	45,322	50,559	54,545	58,055	62,158	66,673	71,689	77,086	82,

1/ Contribution to annual growth in percentage points. 2/ Fiscal Reserve was established on January 1, 2012 with a transfer from foreign exchange reserves.



PEOPLE'S REPUBLIC OF CHINA—MACAO SPECIAL ADMINISTRATIVE REGION

STAFF REPORT FOR THE 2019 ARTICLE IV CONSULTATION DISCUSSIONS

KEY ISSUES

Context. Macao SAR is the largest casino center in the world and gaming tourism drives its growth. While more moderate than in the past, gaming and tourism revenue picked up as the economy returned to expansion since mid-2016. Growth then moderated in the second half of 2018, including due to spillovers from the Mainland's deleveraging effort and U.S.-China trade tensions. Diversification efforts continue as gaming activities still amount to almost half of GDP.

Outlook and risks. Progress with diversification towards mass-gaming and nongaming tourism, together with the continued China gaming monopoly, are expected to deliver growth of around 4 percent in the medium term. Risks are tilted to the downside, mainly emanating from Mainland China. Prudent macroeconomic policies and high reserves provide strong buffers against shocks.

Policies. There are three top policy priorities.

- First, higher public investment and further targeted social spending—including education spending to boost human capital—would support the diversification agenda and foster inclusion.
- Second, a medium/long-term fiscal framework would facilitate efficient use of gaming-dependent fiscal resources.
- Third, the exchange rate peg continues to serve Macao SAR well and should be maintained, including via prudent fiscal policy, and maintaining a sound financial sector and adequate reserves.

In addition to supporting diversification, fulfilling social needs, and maintaining macroeconomic stability, these policy priorities will reduce external imbalances.

April 5, 2019

Approved By James Daniel (APD) and Edward R. Gemayel (SPR)

Discussions took place in Macao SAR and Hong Kong SAR between February 13 and 25, 2019. The team comprised M. Colacelli (head, APD), S. Ando (STA), and J. Zhang (APD). K. Chen (LEG) supported the team remotely. The mission met with the Secretary for Economy and Finance, the Chairman of the Monetary Authority of Macao, other senior officials, representatives from the banking sector, gaming and construction industries, and academics. G. Alvim (APD) assisted the mission.

CONTENTS

CONTEXT AND RECENT DEVELOPMENTS	4
OUTLOOK AND RISKS	5
FISCAL POLICY	7
A. Medium/Long-Term Fiscal Framework Including the Sovereign Wealth Fund	7
B. Near-Term Fiscal Policy	
FINANCIAL SECTOR POLICIES AND HOUSING	10
A. Housing	12
DIVERSIFYING SOURCES OF GROWTH	15
EXTERNAL SECTOR STABILITY	18
STAFF APPRAISAL	19
BOXES	
1. Junket Finance in Macao SAR	21
2. Universal Cash Transfers: Wealth Partaking Scheme	22
FIGURES	
1. Real Sector	
2. External Position	
3. Banking Sector Developments	
4. Fiscal Outlook	26
TABLES	
1. Selected Economic and Financial Indicators	
2. Medium-Term Macroeconomic Framework	
3a. General Government Accounts (million MOP)	
3b. General Government Accounts (percent of GDP)	30

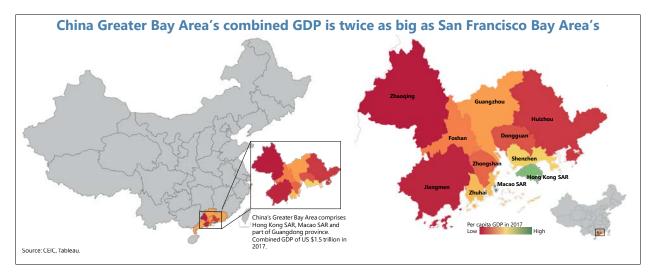
4. Balance of Payments	31
5. Indicators of External Vulnerability	32
6. Financial Soundness Indicators	33

ANNEXES

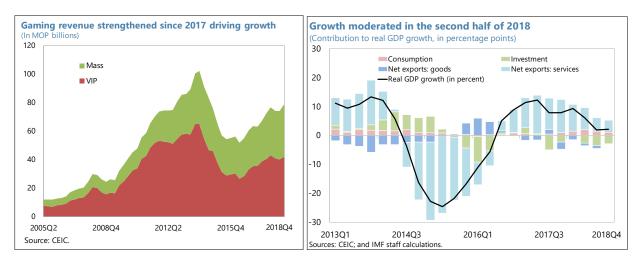
I. Risk Assessment Matrix	34
II. Medium and Long-Term Fiscal Framework and Sovereign Wealth Fund: Some Case Studies_	35
III. Inequality: Trends and Drivers	38
IV. External Sector Debt Sustainability Analysis	41
V. Real Estate Market in Macao SAR: Overvaluation, Policies, and Affordability	45
VI. External Sector Assessment	50
VII. Key 2011 FSAP Recommendations	53
VIII. Main Recommendations of the 2016 Article IV Consultation Discussions	55

CONTEXT AND RECENT DEVELOPMENTS

1. Macao SAR is the largest casino center in the world and gaming tourism drives its growth. This small open economy has grown rapidly since its return to Chinese sovereignty in 1999 that brought a de jure gaming monopoly within China. In addition, the 2002 liberalization of the gaming sector attracted external investment and foreign competition, while the 2003 liberalization of tourist travel policies by China increased visitors. Over this expansive period, prudent macroeconomic policies have endowed the economy with large fiscal and foreign reserve buffers—standing at 121 and 40 percent of GDP respectively in 2017—with zero public debt. Macao SAR is part of the "Greater Bay Area" (GBA) plans for regional cooperation, linking it with Hong Kong SAR and the Mainland's Guangdong province.



2. The economy returned to expansion in mid-2016. Gaming and tourism revenue returned to strong growth in 2017 and early 2018, after negative growth over 2014-16 following developments in Mainland China that reduced external demand from high-spending (VIP) visitors. (VIP gaming revenue, as opposed to "mass," is derived from high-spending gamers.) The 2014-16 decline broadly mirrored developments in luxury spending elsewhere in the region (including in



Hong Kong SAR) and followed the anticorruption campaign on the Mainland. Growth moderated in the second half of 2018, including from weaker investment and reduced VIP gaming linked to Mainland's deleveraging effort and U.S.-China trade tensions. Growth recorded 4.7 percent in 2018 (from 9.7 percent in 2017). Inflation picked up over 2018 driven by housing, food, and energy prices. Credit continued to expand over 2018, while the lending interest rate slightly increased. Property prices recovered with the economic rebound, but they were flat in the second half of 2018. Unemployment remains low.

3. Recent policies:

- *Fiscal*. As the economy rebounded, the fiscal surplus increased in 2017 and 2018.
- Housing. Measures were recently introduced to contain housing market risks, though loanto-value limits for young first-time homebuyers were increased to help affordability.
- Diversification efforts continue. Gaming and junket activities (i.e. VIP support and financing

business, Box 1) still amount to almost half of GDP. The recently developed reclaimed land in Cotai and the newly opened Hong Kong–Zhuhai–Macao Bridge (HZMB) are supporting massmarket gaming and non-gaming tourism. To support financial sector development and diversification, the authorities have started facilitating banks' involvement with issuance and local distribution of bonds from Mainland local governments and SOEs.

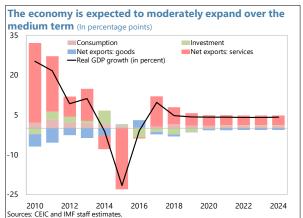
• Overall, recent policies broadly align with past staff advice (Annex VIII).

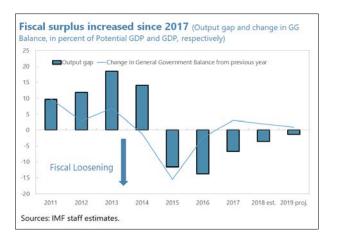
OUTLOOK AND RISKS

4. Over the medium term, the economy will likely expand moderately, with surpluses in the fiscal and external current accounts. Progress with diversification efforts towards mass and

non-gaming tourism, together with the important China gaming monopoly, are expected to deliver continued growth in the coming years.

 Growth is projected at 4.3 percent in 2019 and to remain solid over the medium term at about 4 percent. While the outlook is more subdued than historical averages, it is also less volatile. The main driver of medium-term growth is tourism, with mass gaming and nongaming tourism further expanding, but more



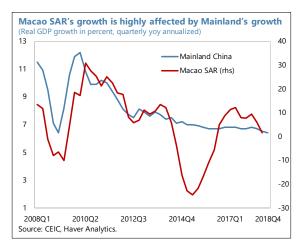


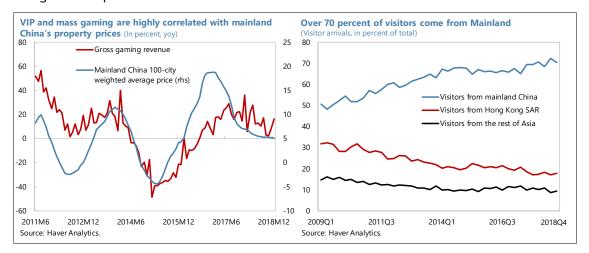
subdued VIP gaming growth, in line with authorities' diversification efforts towards more stable sources of growth. Investment is anticipated to remain weak, though improving over the medium term, partly due to the upcoming new gaming licenses. Unemployment is expected to remain low as the significant presence of foreign workers (under limited-term contracts) provides labor market flexibility.

- *Fiscal.* More moderate growth in gaming will deliver less buoyant tax revenue, while social spending is expected to grow over time due to ageing and social pressures. Overall, fiscal surpluses (in percent of GDP) are expected to continue in the medium term, though of smaller magnitude.
- Balance of Payments. Private and public savings are expected to decrease due to moderation in gaming revenues. Overall, current account surpluses are expected to continue, delivering further accumulation of foreign assets by the private and public sectors.

5. Risks are tilted to the downside with the economy being particularly vulnerable to risks originating in Mainland China (Annex I):

 Mainland China. Macao SAR's small and open economy is highly vulnerable to economic, financial and policy developments in the Mainland. With most tourists coming from the Mainland, any policy that undermines their spending power abroad would negatively affect growth. The introduction of gambling in the Mainland or weaker than expected growth in the Mainland would also negatively affect growth. Main channels include shocks to gaming revenue, reduced investment, and banking sector exposures to Mainland.





- U.S.-China trade tensions. Worsening of trade tensions between the U.S. and the Mainland could significantly impact Macao SAR, including via a fall in tourism inflows from the Mainland and reduced investment by the three U.S. casino operators. In addition, banking sector's investments linked to global trade, including the Mainland's, would be affected.
- Sharp tightening of global financial conditions with unexpected Fed hikes. Given the indirect exchange
 rate peg to the U.S. dollar, the pataca would appreciate relative to the renminbi possibly reducing
 Macao SAR's competitiveness and weakening gaming spending per visitor, though gaming revenue
 has been resilient to exchange rate movements. In addition, sharp increases in the cost of credit
 would reduce investment projects, potentially slow banks' balance sheet growth, and it may abruptly
 cool the housing market.
- *Increased competition in the gaming industry*. Emerging gaming centers in Asia could start diverting Mainland tourists from Macao SAR (i.e. Singapore, Philippines, Japan, Vietnam, South Korea).
- On the upside: faster diversification progress and further land reclamation could boost sustainable growth by widening non-gaming tourism options and helping housing affordability.

6. Authorities' Views. The authorities broadly agreed with staff's baseline outlook. They confirmed that the China gaming monopoly will remain with Macao SAR for the foreseeable future and they shared the view that VIP-driven growth will be lower going forward but also more stable, including due to progress with diversification and an enhanced AML/CFT framework. They broadly agreed with highlighted risks, with U.S.-China trade tensions as one of the key factors, acknowledging the multiple exposures to China shocks. They highlighted Macao SAR's reduced external vulnerabilities due to strong fiscal and foreign reserve buffers, a resilient banking sector, and the lack of domestic money or capital market instruments. They pointed out Macao SAR's advantage as a "domestic tourism destination to Mainland China" shielded itself from increased competition from Asia. On the upside, they highlighted diversification potential from recent regional cooperation efforts (i.e. GBA), and the new high-speed Guangdong rail and the HZMB Bridge as boosting Macao SAR's attractiveness to the Mainland and international tourists.

FISCAL POLICY

A. Medium/Long-Term Fiscal Framework Including the Sovereign Wealth Fund

7. A comprehensive reform agenda to support prudent and efficient medium/long-term fiscal policymaking is needed. Macao SAR would benefit from a medium/long-term fiscal framework (MLTFF) for efficient use of gaming-dependent fiscal resources. Even though fiscal space is ample, with large fiscal reserves and no public debt, fiscal policy decisions are rather discretionary while following the conservative Basic Law mandate of balanced budgets. In addition to infrastructure development needs and social spending considerations, a key long-term spending pressure stems from the projected fast increase in the old-age dependency ratio that will boost pension and healthcare

spending (with official projections showing a tripling in the number of old-age pensioners between 2021 and 2056).

8. A MLTFF will help increase efficiency in the use of fiscal reserves while helping ensure long-term fiscal sustainability and intergenerational equity in an aging society. Key pillars of the framework are a medium/long-term fiscal strategy and medium/long-term orientation within the annual budget process. This approach would entail developing (i) a medium/long-term macroeconomic framework, which would provide realistic multiyear projections of key economic variables; (ii) a MLTFF that would provide clear multiyear targets on aggregate fiscal variables; and (iii) a medium/long-term budget or expenditure framework, which would translate the overall budget envelope into a set of multiyear expenditure ceilings for main spending ministries. In the context of recent rapid accumulation of fiscal reserves with no public debt, the fiscal reserve-to-GDP ratio could be used as one possible fiscal anchor—though a view on optimal reserves would need to be formed—while any chosen anchor should be consistent with the MLTFF. The MLTFF should incorporate a counter-cyclical framework (discussed below) that can be layered over the fiscal targets from the MLTFF to account for needed cyclical adjustments. The authorities should start with producing a long-term fiscal sustainability report—Australia and New Zealand's can serve as a model.

9. The authorities should ensure that their planned Sovereign Wealth Fund (SWF) is integrated into the MLTFF (Annex II). The authorities plan to establish a SWF in 2019 with the objectives of furthering Macao SAR's development and enhancing its stability and fiscal buffers. Key considerations should include: integration of SWF within the MLTFF and annual budget including through clear but flexible inflow/outflow rules, and clear management guidelines and accountability following best practice as outlined in the "Santiago Principles" (designed by the International Working Group of Sovereign Wealth Funds).

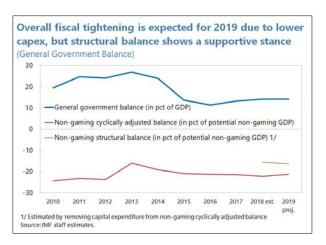
10. Authorities' Views. The authorities are not using an explicit medium/long-term fiscal framework to ground fiscal budget decisions. However, they may consider the cross-country cases and best-practice examples provided by staff. Regarding the planned Macao Investment and Development Fund (MIDF), the authorities took note of staff's recommendation that the fund is integrated within a MLTFF and stated that a new independent public company is to lead the MIDF, following the Santiago principles.

B. Near-Term Fiscal Policy

11. An explicit counter-cyclical fiscal framework would also improve near-term budget

preparation. Given the large output volatility due to external conditions affecting gaming, and given the substantial fiscal space, the economy can benefit from a more formal framework for counter-cyclical fiscal policy to smooth sharp private demand fluctuations. In recent years fiscal policy tended to be counter-cyclical, but an explicit counter-cyclical framework within budget preparation, including macro projections and improved estimates for fiscal outcomes, will help improve the calibration of the desirable discretionary fiscal response. Importantly, the counter-cyclical framework should be integrated with the MLTFF discussed above.

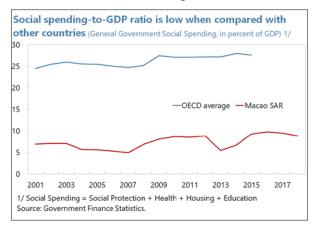
12. The projected 2019 fiscal policy stance is appropriate and could be made more expansionary if driven by priority spending under a medium/long-term fiscal plan. Overall fiscal tightening is projected for 2019 as the anticipated expansion of spending across several categories (including social spending) is more than compensated by a significant reduction in capital spending (partly due to one-off completion of projects). However, the fiscal policy stance—measured by the non-gaming structural balance in percent of potential non-

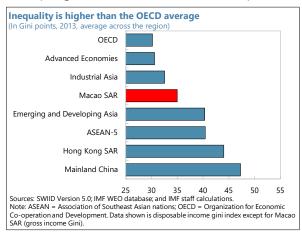


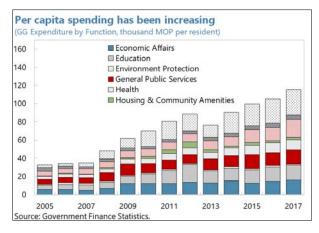
gaming GDP—is appropriately supportive in light of a closing but still-negative output gap in 2019. Moreover, additional fiscal loosening in 2019 could be appropriate if driven by properly-targeted priority infrastructure and social spending (including education to boost needed human capital) that is desirable from a long-term perspective under the MLTFF.

13. Social spending considerations. Because of its rapid growth, Macao SAR's income per

capita is one of the highest in the world. However, inequality is higher than the OECD average (Annex III). It is desirable to consider boosting targeted social spending to alleviate distributional concerns. Yet the largest social protection program (i.e. Wealth Partaking Scheme) is not targeted (Box 2). Housing affordability has been eroded, and the government should advance its efforts to increase access to housing for the vulnerable. Health and education spending are also comparatively low, suggesting that there is room to boost them in a targeted manner.







14. Authorities' Views. The authorities took note of staff's proposal for a more formal countercyclical fiscal policy framework. They stated that the completion of large capital projects is driving the decline of the 2019 capital expenditure budget, while current expenditure is expected to grow based on the 2019 budget. The authorities shared the view that additional targeted spending to support diversification and social inclusion should be calibrated. Nevertheless, the authorities believed that the principle of keeping expenditure within its means to avoid deficits as stipulated by the Macao SAR Basic Law has served as an important policy anchor to safeguard Macao's fiscal sustainability. To foster inclusion, the authorities noted that they are considering expanding the minimum wage to more sectors.

FINANCIAL SECTOR POLICIES AND HOUSING

15. Balance sheets of the banking system continue to suggest that the sector remains

sound, but ongoing attention to large shortterm foreign liabilities and to the quality and liquidity of foreign assets is needed. Foreign banks are the bulk of the financial system—with 24 foreign branches and subsidiaries, and 4 local banks. The large scale of the banking system (about 400 percent of GDP in total assets) calls for continued supervisory caution. However, several factors moderate risks on the domestic and external side of the balance sheet.

- Domestic operations remain strong regarding liquidity and asset quality, helped by moderate private sector leverage. Exposures to gaming remain large, though balance sheets of gaming operators remain strong.
- The *external* side of the banking sector balance sheet shows large foreign liabilities, over 65 percent short-term, increasing funding risks (Annex IV). Moderating this risk, banks' foreign assets far exceed liabilities, which increases banks' ability to fund potential withdrawals—as long as the quality and liquidity of assets allow it. In addition, about 30 percent of the foreign liabilities of Macao SAR's banks are due to related foreign banks—and the foreign banks provide some backing to the local branches. Regarding risks to foreign assets, given the significant bank exposure to the Mainland (about 30 percent of external assets), recent efforts by the Monetary Authority of Macao (AMCM) and People's Bank of China (PBOC) to strengthen financial supervisory and regulatory

Domestic real estate is over 40 percent of domestic lending to residents and over 10 percent of bank's assets (Domestic lending to resident private sector by sector, in percent of total, 2018Q4) Hotels and resident private sector by sector, in percent of total, 2018Q4) Hotels and retail trade 6% Wholesale and retail trade 6% Construction 9% Manufacturing Source: AMCM.

Balance Sheet of the Banking Sector	
(In USD billions)	2018
Total Assets	222
Domestic Assets	82
o/w credit to private sector	63
Foreign assets	139
Claims on banks 1/	61
Claims on nonbanks	78
Total Liabilities	222
Domestic Liabilities	136
Private sector deposits	79
Public sector deposits	30
Interbank liabilities	5
Capital accounts, other non-monetary	22
liabilities, sundry, and notes	
Foreign Liabilities	86
Liabilities to banks 2/	38
Short term	31
Medium to long term	7
Liabilities to nonbanks	30
Unallocated items	18
Memo: 1/ Related parties' share is 53 percent in 2018. 2/ Related parties' share is 71 percent in 2018. Source: AMCM.	

cooperation, with plans to set up an information exchange framework, are welcome.

16. The AMCM could further strengthen the framework for sound Fintech adoption.

Measures could be taken to further increase cyber resilience in financial institutions and Fintech firms, to promote RegTech to reduce regulatory costs, and incentivize Fintech firms to participate in a regulatory sandbox. Enhanced cross-border supervisory collaboration could help prevent regulatory arbitrage and avoidance. Recent financial regulation cooperation efforts by the AMCM and PBOC, including to coordinate work on Fintech and mobile payment regulation in Macao SAR, provide an opportunity for progress.

17. Steps to strengthen the AML/CFT framework are welcome and should be sustained.

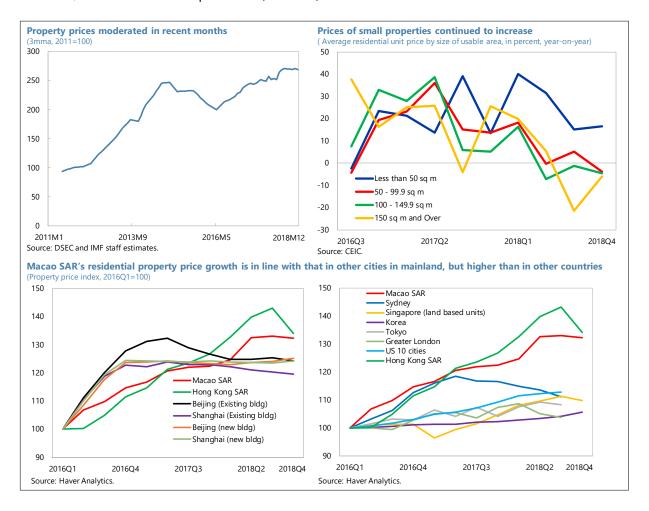
The AML/CFT framework was assessed in 2016 under the 2012 revised international standard. The assessment recognized Macao SAR's progress in enhancing AML/CFT framework, including on preventive measures and supervision of the gaming sector, while noting the need for more improvements. Since the assessment, Macao SAR has further strengthened AML/CFT requirements in the gaming sector. Although it has intensified efforts to limit the number of junket promoters (Box 1), this needs to be complemented by strengthening the regulatory framework for market entry in line with the 2017 assessment. The oversight of junket promoters' AML/CFT measures also needs strengthening. Ongoing efforts to enhance the sanctions regime—to hold casinos accountable for breaches of the junkets associated with them—should be taken forward. Macao SAR introduced a regulatory framework for monitoring cross-border movement of cash and bearer negotiable instruments in 2017 and is encouraged to ensure its effective implementation.

18. Authorities' Views.

- Financial system. The authorities highlighted the strength of the financial system with ample liquidity and sound asset quality. They noted continuous supervision of short-term foreign liabilities where they see contained funding risks due to the prominent funding from related foreign banks. With almost 70 percent of banks' external assets in Hong Kong SAR and the Mainland, and almost 5 percent in BRI countries, they highlighted recent efforts to strengthen financial supervision and regulation cooperation across jurisdictions. The authorities reported on satisfactory results from regular stress tests on banks' assets, including from shocks to the real estate portfolio and the Mainland exposure. They noted that the AMCM established a Fintech team, and is considering digitizing reporting and supervisory processes, and introducing a regulatory sandbox.
- AML/CFT. They stressed the progress in strengthening the AML/CFT framework, including in the gaming sector, as reported by the 2017 report on international standards. The authorities are aware of the risks associated with junket promoters, including money laundering, and have taken steps to mitigate them including by limiting the number of junkets. They indicated that they are working on further steps, including strengthening the regulatory framework for market entry, intensifying AML/CFT oversight, and enhancing the sanction regime (for junkets' compliance with AML/CFT requirements) to reinforce joint liability between a casino and its junket promoters.

A. Housing

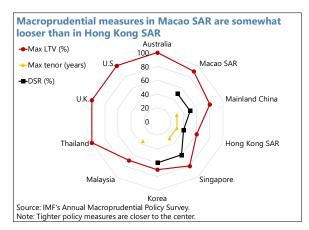
19. The housing market has strongly recovered with the economic rebound that started in mid-2016, but the market appears to have cooled in the second half of 2018. After falling between mid-2014 and mid-2016, the residential property price index recovered fully between mid-2016 and mid-2018 (in real terms), though it stayed flat in the second half of 2018. Even though residential property prices remained below trend in 2018, they appear to remain somewhat overvalued, for smaller units in particular (Annex V).



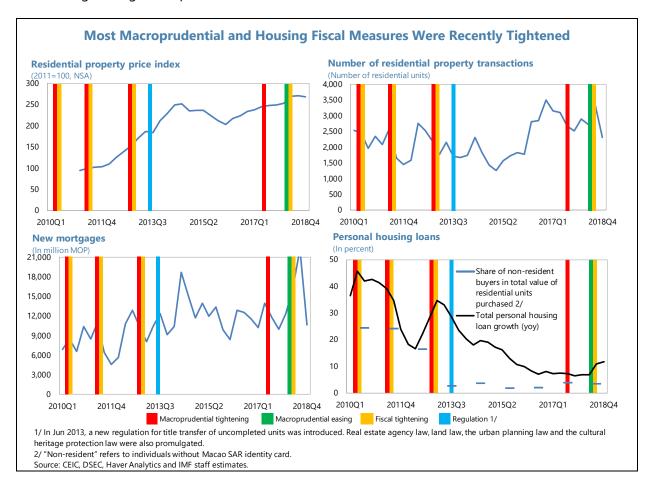
20. The current housing macroprudential stance and related fiscal measures appear **broadly appropriate.** Measures were put in place in 2017 and 2018:

 New measures were introduced to mitigate housing market risks via containment of demand. The loan-to-value limit for non-first-time homebuyers was tightened in May 2017. In February 2018, property tax exemptions on vacant properties were removed and a special stamp duty tax on the purchase of non-first residential property was introduced. On the other hand, the AMCM eased loanto-value limits for young first-time homebuyers to help affordability in February 2018 that may have unintentionally boosted demand and prices in this segment.

Systemic risks in the housing market appear broadly contained. The authorities should continue monitoring residential property prices and the effects of recent housing market measures, as they may usually play out with a



lag. Further actions should take into account evolving market conditions, including the recent growth deceleration and leveling off in residential property prices. In the event that residential property prices resume strong growth and may pose a risk to financial stability, the authorities could consider tightening macroprudential and/or fiscal-based measures.



21. The residency-based LTV is classified as a capital flow management measure and macroprudential measure (CFM/MPM) under the IMF's Institutional View on capital flows (IV), and the authorities are encouraged to replace the residency-based differentiation feature of the LTV. The residency-based LTV was introduced in response to the surge of residential

property transactions by nonresidents during the housing market boom in 2010-2011. The main objective was to put in place a preventive measure to strengthen banks' risk management considering the spike in nonresident NPLs during the Asian Financial Crisis. In 2017, to curb financial stability risks from strong growth in residential property prices, the AMCM tightened LTV for residents and nonresidents simultaneously.

 To attain the same policy objective without differentiating between residents and nonresidents, the authorities could examine whether they can protect against greater credit risk from lending to nonresidents through the existing multi-tiered-LTV structure but without the residency-based feature or by linking the differentiation in LTV limits directly to banks' risk assessment of loans and borrowers, supported by additional measures such as enhancing information requirements and enforcement across borders and requiring banks to take into account country transfer or legal risk in their risk assessment. Further strengthening supervisory capacity of banks' mortgage lending, broadly in line with FSAP recommendations (Annex VII), will be important to help ensure that these alternative measures are feasible.

22. A broader set of policies should support housing affordability, where continued efforts to boost housing supply will be key. The apparent cooling of the housing market is welcome and may contribute to improving housing affordability. However, remaining affordability concerns should be addressed by a broader set of supply policies:

 Planning, zoning, and other reforms affect supply and prices only with long lags, and underlying demand for housing is expected to remain robust. Housing supply reforms should, therefore, not be delayed. Building on the government's recent efforts to boost housing supply, plans should advance regulatory policy within a transparent framework that supports private sector supply and boosts well-targeted public housing supply, including via higher infrastructure spending.



 A coordinated government strategy to foster public and private housing supply, including an urban planning framework and urban renewal plan, would help guide reform efforts. While completing needed environmental, design, transportation and other assessments, procedures should be expedited.

23. Authorities' Views.

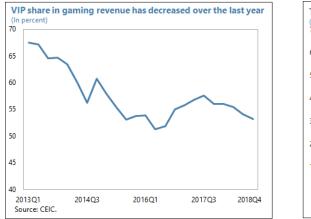
 Housing market and policies. The authorities agreed that the housing market cooled in 2018 but remained somewhat overvalued. They noted that they stand ready to take further actions dependent on market conditions. They considered that the 2018 LTV loosening (for young firsttime homebuyers) was effective in increasing credit for this group, but acknowledged its contribution to higher prices in the small-property segment. On the residency-based LTV, they took note of the recommendation to replace the differentiation between residents and nonresidents with alternative measures. They highlighted that the objectives of the LTV framework are to strengthen banks' risk management, curb investment/speculation motives, and moderate risks to the financial sector. They explained that the LTV framework is key for Macao SAR's stability in light of its open capital account and large spillovers from its real estate sector. They highlighted that the 2017 LTV tightening was not aimed at nonresidents as it was done for both residents and nonresidents. They may consider other alternative measures as suggested when appropriate.

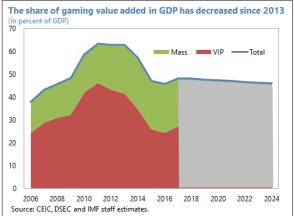
Housing affordability. They agreed that boosting housing supply is key to address affordability concerns. In terms of public housing, they noted that ongoing projects will satisfy public housing needs by 2026 (by when they plan to add 50,000 public housing units) and they will carry on research analysis on public housing demand (including post-2026). They also noted measures under consideration to make public housing more targeted to the vulnerable. They explained that there are authorities which coordinate the strategy on public and private housing and noted that a draft master plan (to be completed in 2019) will support private housing development.

DIVERSIFYING SOURCES OF GROWTH

24. The authorities have wide-ranging plans to enhance growth resilience by diversifying away from VIP gaming. The authorities are focusing on three areas:

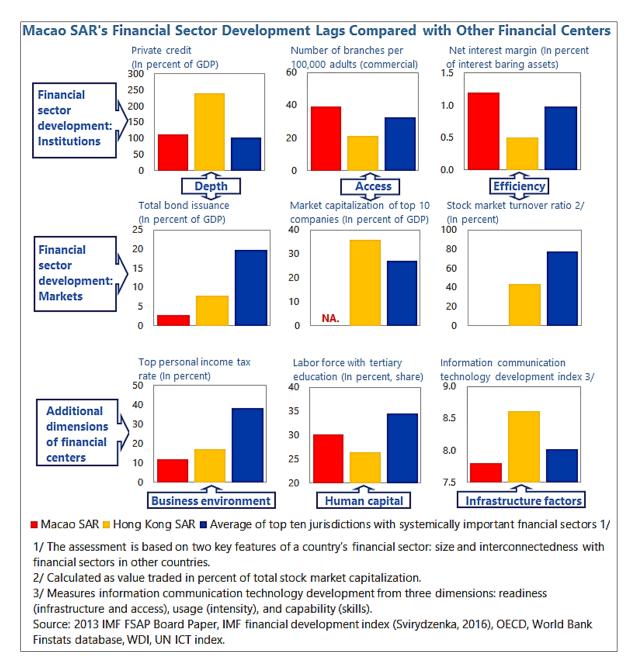
- From high-end VIP to mass-market gaming
- From gaming tourism to non-gaming tourism
- Bolstering the growth of the financial sector





Some progress has been made in these areas, evidenced by a decrease in the VIP share of gaming (from 66 percent in 2013 to 49 percent in January). There is evidence of growth in non-gaming tourism, including due to the new HZMB Bridge. The authorities are also focusing on financial sector development—presently relatively low—through several channels: (i) financial intermediation between China and Portuguese-speaking countries (PSCs), (ii) financial partnerships with Mainland

bond issuances, (iii) more financial services including financial leasing and wealth management, and (iv) participation in the Belt and Road Initiative (BRI).



25. Diversification policies should be guided by careful study of Macao SAR's comparative advantage. Guiding principles should include:

Incentives for new concessions: With all six gaming concessions expiring in 2022, the authorities
have the opportunity to further advance their growth strategy and should craft the new
regulations with stronger incentives for operators to expand non-VIP tourism.

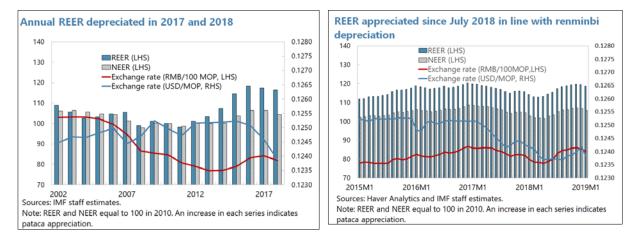
- Infrastructure upgrades: To accommodate the higher number of tourists under a mass-market and non-gaming model, infrastructure plans should advance in order to ease supply-side bottlenecks. Some of these areas are expanded entertainment, convention and exhibition options, hotels and retail, including via integrated resorts and family-oriented facilities.
- Financial sector policies: The China-PSCs niche is a natural area for financial sector growth, but
 potential gains hinge on the extent to which Mainland's bilateral relationships reach PSCs. New
 investments in the Mainland should aim to diversify portfolio and risks, including, for example,
 among different Mainland issuers or regions. If expansion of financial services contributes to
 developing an offshore financial center, high standards for transparency of legal persons and
 trusts should be ensured. Policies should foster a highly educated workforce, ensuring that the
 educational system delivers the skills for financial services provision, and attract foreign talent as
 needed. Careful analysis of specific potential growth areas for Macao SAR and high project
 quality and transparency would be important regarding BRI participation.



26. Authorities' Views. The authorities agreed with the guiding diversification principles proposed by staff and highlighted recent progress that will support Macao SAR's success. They noted that within the recently unveiled GBA plans for regional cooperation, Macao SAR has the role of promoting cooperation with PSCs and promoting its example as a multicultural Chinese city that is a World Centre of Tourism and Leisure. They noted large potential gains from plans to facilitate the movement of people and goods inside GBA. They noted that the tourism industry development master plan was completed in 2017, and that MICE events (meetings, incentives, conferences, and exhibitions) grew five-fold between 2002 and 2017 (gross value added of MICE activities constituted 0.9 percent of total 2017 gross value added). They highlighted growth potential in the Chinese medicine sector (with exports to PSCs), with the progressive development of "Guangdong-Macao Cooperation Industrial Park" in Hengqin. They also highlighted that the recent investment agreement, as well as the economic and technical cooperation agreement under CEPA (Closer Economic Partnership Arrangement) with the Mainland are expected to boost FDI and trade in goods and services.

EXTERNAL SECTOR STABILITY

27. Macao SAR's external position is assessed as substantially stronger than medium-term fundamentals and desirable policies, and infrastructure investment and social spending should be boosted (Annex VI). The current account (CA) surplus is estimated at 35 percent of GDP in 2018, down from a peak of 41 percent in 2011, but higher than the 25 percent in 2015. Under the assumption that the gaming monopoly is not temporary, the CA is assessed as substantially stronger than fundamentals and desirable policies. The real effective exchange rate depreciated by 1 percent annually in 2017 and in 2018, but it appreciated on a monthly basis since July 2018 in line with renminbi depreciation, standing at a level assessed to be broadly consistent with fundamentals and desirable policies. Overall, structural distortions including bottlenecks to investment and policies that cause excessive savings, such as low social spending—and not the exchange rate—are assessed as the reasons that prevent the external balance from adjusting to equilibrium.



28. The peg to the Hong Kong dollar continues to serve Macao SAR well. The pataca has been pegged to the Hong Kong dollar since 1977 and set at 1.03 patacas per Hong Kong dollar since 1983. The peg has provided a credible nominal anchor, as inflation expectations remain broadly anchored. This success is largely driven by steady application of the necessary supportive policies of prudent fiscal policy, flexible labor markets, liquid and well-capitalized banking sector, and adequate reserve coverage. Continuation of these policies will maintain the support to the exchange rate regime.

29. Authorities' Views. The authorities took note of staff's CA assessment and agreed with the recommended boost in infrastructure investment (to support diversification plans) and public social spending to help deliver a CA in line with the level consistent with fundamentals and desirable policies. They acknowledged bottlenecks to investment due to land scarcity while noting continuous reclamation efforts. They continue to view the currency board as critical for the stability of the economy. They agreed that the policy framework continues to provide the needed credibility for the exchange rate regime to be a lasting nominal anchor.

STAFF APPRAISAL

30. Macao SAR returned to expansion since mid-2016 and is expected to expand

moderately—at about 4 percent—over the medium term. Gaming and tourism revenue returned to strong growth in 2017 and early 2018. Growth moderated in the second half of 2018, including due to spillovers from Mainland's deleveraging effort and U.S.-China trade tensions. Over the medium term, the economy is expected to grow moderately at about 4 percent. The outlook is driven by tourism and more subdued VIP gaming growth in line with diversification efforts towards more stable sources of growth. Risks are tilted to the downside, mainly emanating from Mainland China. Prudent macroeconomic policies and high reserves provide strong buffers against shocks.

31. A comprehensive reform agenda to support prudent and efficient medium/long-term fiscal policymaking is needed. A MLTFF will help increase efficiency in the use of fiscal reserves while helping ensure long-term fiscal sustainability and intergenerational equity in an aging society. The authorities should start with producing a long-term fiscal sustainability report and should ensure that their planned SWF is integrated into the MLTFF.

32. The projected 2019 fiscal policy stance is appropriately supportive in light of the recent growth deceleration. Accounting for the one-off completion of capital projects in 2018, the policy stance is appropriately supportive. However, an explicit counter-cyclical fiscal framework—integrated with the MLTFF—is needed to improve near-term budget preparation and smooth domestic demand. The 2019 policy stance could be made more expansionary if driven by priority spending under a medium/long-term fiscal plan. This priority spending would include properly-targeted priority infrastructure and social spending (including education spending to boost needed human capital) to support the diversification agenda and foster inclusion.

33. The financial sector remains sound. However, the large scale of the banking system calls for continued supervisory caution. Large short-term foreign liabilities warrant ongoing attention, while strengthened supervisory and regulatory cooperation across jurisdictions over the quality and liquidity of foreign assets is welcome. The AMCM could further strengthen the framework for sound Fintech adoption. Steps to strengthen the AML/CFT framework, particularly for the gaming sector, should be sustained. Efforts to limit the number of junket promoters need to be complemented by strengthening the regulatory framework for their market entry, and strengthening the oversight of AML/CFT measures in this sector. In addition, ongoing efforts to enhance the sanctions regime—to hold casinos accountable for breaches of the junkets associated with them—should be taken forward.

34. The current housing macroprudential stance and related fiscal measures appear broadly appropriate. With new measures in place in 2017 and 2018, systemic risks in the housing market appear broadly contained. Further actions should take into account evolving market conditions, including the recent growth deceleration and leveling off in residential property prices. In the event that residential property prices resume strong growth and may pose a risk to financial stability, the authorities could consider tightening macroprudential and/or fiscal-based measures.

PEOPLE'S REPUBLIC OF CHINA-MACAO SAR

The authorities are encouraged to replace the residency-based differentiation in the LTV framework with alternative measures. Housing affordability concerns should be addressed by a broad set of supply policies including advancing regulatory policy within a transparent framework that supports private sector supply and boosts well-targeted public housing supply, including via higher infrastructure spending.

35. Diversification policies should be guided by careful study of Macao SAR's comparative advantage. Guiding principles include: (i) new regulations for gaming concessions should support diversification with stronger incentives for non-VIP tourism expansion, (ii) infrastructure plans should advance to ease supply-side bottlenecks and support a higher number of tourists under a mass-gaming and non-gaming model, and (iii) in support of financial sector development plans, policies should foster a highly educated workforce, ensuring that the educational system delivers the skills for financial services provision, and attract foreign talent as needed.

36. Macao SAR's external position is assessed as substantially stronger than medium-term fundamentals and desirable policies, and infrastructure investment and social spending should be boosted to reduce external imbalances. The exchange rate peg continues to serve Macao SAR well and should be maintained including via prudent fiscal policy, sound financial sector, and adequate reserves.

37. It is proposed that the next Article IV consultation discussions take place on the standard 24-month cycle.

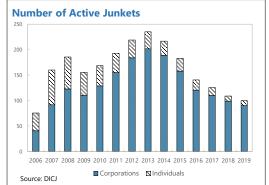
Box 1. Junket Finance in Macao SAR¹

VIP gaming plays a big role in Macao SAR's economy. For example, in 2017, the value added from gaming and junket activities was close to 50 percent of GDP, and the game of VIP Baccarat alone accounted for around 55 percent of all gross gaming revenue.

VIP gaming activities are mostly facilitated by junket promoters ("junkets"). Junkets provide complementary facilities to VIP patrons including transportation, accommodation, meals, entertainment, and financing. In exchange for attracting VIP patrons to Macao SAR's casinos, junkets are remunerated by casinos. Junkets are locally incorporated companies or local legal persons, and need an annually-renewed license from the Gaming Inspection and Coordination Bureau (DICJ).

A key service provided by junkets is the extension of credit to VIP patrons. The extension of credit to VIP patrons is mainly to facilitate patrons to gamble without bringing large amounts of cash to Macao SAR. By law, junket gaming credit is extended in the form of unconvertible casino chips. When VIP patrons gamble and win, they collect chips that are convertible to cash, and when they lose, the junket credit becomes collectible debt.

Junkets have been subject to anti-money laundering and combating financing of terrorism (AML/CFT) obligations since 2006. Under the regulations, casinos are liable to ensure compliance with AML/CFT obligations of their associated junkets. Requirements were strengthened in 2016 to align the framework with the revised international standard. In recent years there have been more instances of revocation of junket licenses by DICJ. However effective implementation of existing measures remains a challenge.





Following changes in business environment and strengthened regulation, the junket industry has consolidated over the last six years. Peaking in 2013 with 235 approved licenses, the number of junkets has declined to 100 in 2019.² In parallel, several junkets have shown poor performance in the stock market. In line with the consolidation in the sector, the market share of the top five junkets has increased from 65 percent in 2014 to 80 percent in 2018.³

As the economy diversifies away from VIP gaming, the junket segment is expected to contract further. Staff projects the observed decline in the number of junkets to continue under the government diversification plans where economic activity is expected to move towards mass-market gaming and non-gaming tourism, and away from VIP gaming.

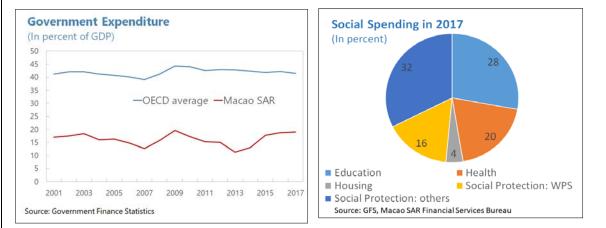
¹ Prepared by Sakai Ando (STA).

² End-January figures for each year as published in "Approved Licensed Junket Promoter List."

³ "Equities Hotels Restaurants & Leisure, Macau Gaming," HSBC Global Research, October 2018.

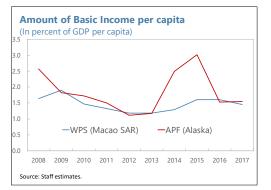
Box 2. Universal Cash Transfers: Wealth Partaking Scheme¹

Macao SAR adopted a universal cash transfers program in 2008. Macao SAR's level of government spending and social spending are below OECD's average. However, Macao SAR has a universal cash transfers program. Within social spending, the universal cash transfers program—Wealth Partaking Scheme (WPS)— accounts for one third of social protection and 16 percent of social spending. A remarkable feature of WPS is that it is a universal basic income program (UBI) as it transfers an equal amount of cash to all permanent residents.



Cash transfers under the program amount to 5 percent of median annual income. The amount received by each permanent resident was 9,000 patacas in 2017, amounting to 5 percent of annual median income. The transfer is scheduled to increase to 10,000 patacas in 2019, representing a 34 percent increase in real terms of the initial amount of 5,000 patacas in 2008.

WPS is the second oldest ongoing UBI program. Several countries have implemented or studied UBI programs recently, such as Finland, Iran, and India.² However, most UBI programs are short-lived. WPS is one of only two ongoing programs that have lasted more than 10 years, together with the pioneering Alaska Permanent Fund (APF) that started in 1982. WPS and APF are similar in generosity, with 2017 benefits around 1.5 percent of GDP per capita in both cases.



¹ Prepared by Sakai Ando (STA).

² In Finland, to study a potential UBI, 2,000 randomly selected unemployed individuals received 17 percent of GDP per capita in 2017 and 2018, and the program will be ended in 2019. In Iran, over 90 percent of Iranians received 6.5 percent of GDP per capita between 2011 and 2015, and the program was ended in 2016. India plans to take a step toward UBI in 2019 by distributing 6,000 rupees to farming family with less than 2 hectares.

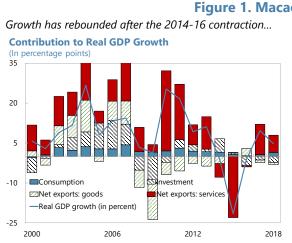
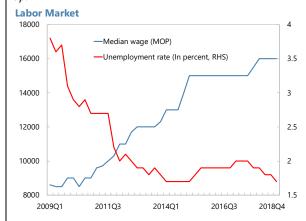


Figure 1. Macao SAR: Real Sector

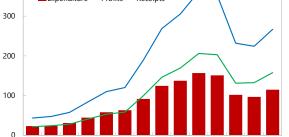
Unemployment declined further, and median wage ticked up.



Residential property prices recovered with the 2017-18 rebound but they were flat in H2-2018.

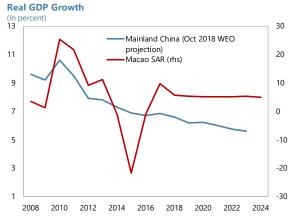




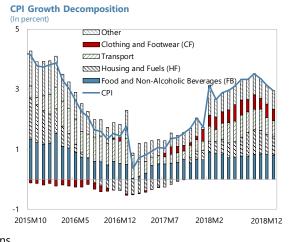


2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017

Going forward, growth momentum appears to be slowing, together with Mainland's.



Inflation picked up in 2018 despite RMB depreciation.



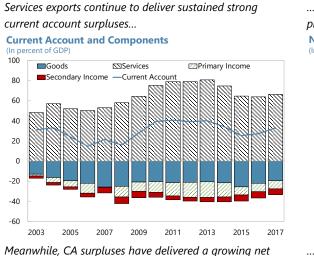
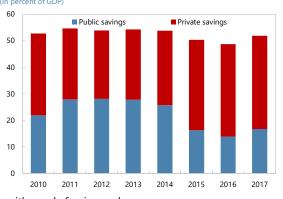


Figure 2. Macao SAR: External Position

...with national savings—from fiscal surpluses and private profits—stronger than investment.





...with ample foreign exchange reserves.

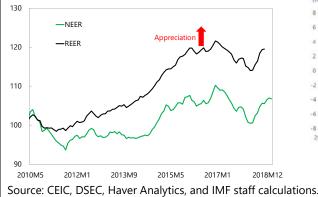




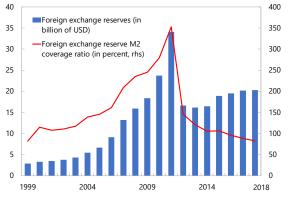
2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 The pataca depreciated in 2017 and appreciated since

April 2018.

Effective Exchange Rate (Index, Jan.2010=100)

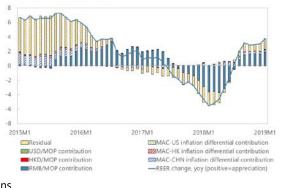






RMB depreciation contributed to 2018 REER appreciation in recent months.

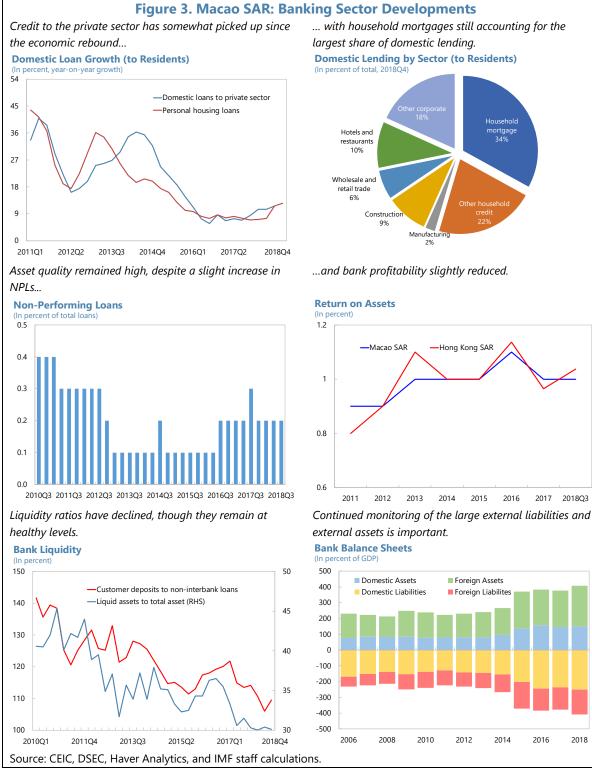




mortgage 34%

2017 2018O3

2016

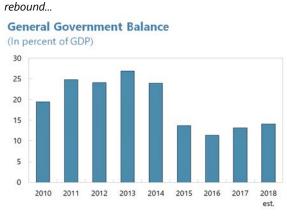


2014

2016

2018

The fiscal balance has recovered with the economic



...while expenditure has been more stable.





10

5

0

2001

2003

2005

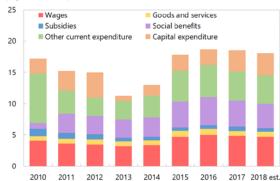
2007

2009

2011

2013

2015

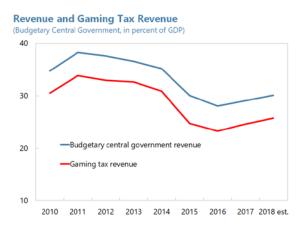


While non-targeted transfers within "social protection" spending have increased over time ...



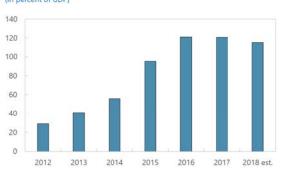


...mostly due to the recovery in gaming tax revenue...



Fiscal reserves are strong.

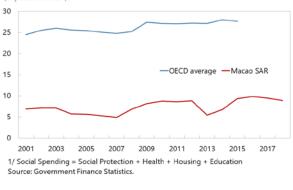




...social spending remains relatively low when compared with other countries.



(In percent of GDP)



Source: CEIC, DSEC, Haver Analytics, Macao Financial Serices Bureau, IMF GFS database, and IMF staff calculations.

2017

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	202
						(Appual p	orcontago	change, unl	Est.	co coocifiod	4)	Proj			
lational accounts						(Annual p	ercentage	change, uni	ess otherwi	se specified	1)				
eal GDP	25.3	21.7	9.2	11.2	-1.2	-21.6	-0.9	9.7	4.7	4.3	4.2	4.1	4.1	4.1	
Total domestic demand	-0.4	13.9	10.3	6.5	16.7	2.9	-5.4	-1.2	-1.7	-0.6	1.4	2.5	2.7	2.7	
Consumption	5.4	9.7	7.0	6.4	6.0	2.7	0.6	1.7	4.3	3.0	2.7	3.1	3.3	3.2	
Investment	-12.0	23.6	17.0	6.8	36.3	3.3	-14.0	-6.2	-12.4	-8.5	-1.7	0.9	1.3	1.3	
Net exports 1/	25.5	15.4	4.9	8.5	-7.9	-22.9	2.4	10.4	5.7	4.5	3.5	3.0	2.9	2.9	
Exports	39.7	25.7	10.5	13.2	-4.5	-26.6	-1.9	16.9	9.5	6.7	5.5	5.0	4.8	4.8	
Imports	16.7	22.0	14.3	10.7	12.5	1.1	-10.1	7.0	6.1	3.5	3.9	4.3	3.9	3.9	
oss fixed capital formation (in percent of GDP)	12.5	12.4	13.6	13.3	18.8	24.6	21.7	19.3	16.0	14.1	13.2	12.8	12.4	12.0	
itional savings (in percent of GDP)	52.7	54.7	54.0	54.3	53.8	50.4	48.7	51.9	50.8	51.2	51.7	52.0	52.4	52.7	
ces and employment															
adline inflation (average)	2.8	5.8	6.1	5.5	6.1	4.6	2.4	1.2	3.0	2.5	2.7	3.0	3.1	3.1	
ms of Trade	-0.9	0.7	-2.3	-0.1	-0.5	0.8	0.5	0.2	-0.2	0.5	0.1	0.1	0.1	0.1	
using prices	33.5	33.6	38.4	42.6	22.0	-13.0	-0.6	16.8	7.5						
dian monthly employment earnings	5.9	11.1	13.0	6.2	10.8	12.8	0.0	0.0	6.7						
employment rate (annual average)	2.8	2.6	2.0	1.8	1.7	1.8	1.9	2.0	1.8	1.8	1.8	1.8	1.8	1.8	
						(In perc	ent of GDP	, unless oth	erwise spec	ified)					
al accounts															
eral government balance	19.5	24.8	24.1	27.0	24.0	13.7	11.4	13.2	14.1	14.2	13.8	13.3	12.9	12.4	
udgetary Central Government Balance	18.1	22.1	21.8	23.5	20.5	8.7	6.3	10.6	12.5	12.6	12.2	11.7	11.3	10.8	
Revenue	34.8	38.3	37.6	36.6	35.2	30.1	28.0	29.1	30.1	29.7	29.3	29.0	28.6	28.3	
Expenditure	16.7	16.1	15.6	13.1	14.6	21.4	21.7	18.5	17.6	17.1	17.2	17.3	17.4	17.5	
xtra-budgetary funds balance	0.4	1.4	1.0	1.0	0.9	0.6	0.5	1.0	0.6	0.5	0.5	0.5	0.5	0.5	
ocial security funds balance	0.9	1.3	1.3	2.5	2.5	4.5	4.6	1.7	1.0	1.1	1.1	1.1	1.1	1.1	
tal public debt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
cal Reserve 2/			29.2	41.0	55.7	95.3	121.1	120.8	115.6	123.4	130.8	136.8	141.8	146.2	
lance of payments															
rrent account	39.4	40.9	39.3	40.2	34.2	25.3	27.2	33.0	35.0	37.4	38.7	39.5	40.2	40.9	
Goods	-20.2	-21.1	-21.0	-20.5	-21.4	-25.6	-22.3	-20.8	-20.1	-19.2	-18.4	-18.0	-17.5	-17.0	
Services	75.3	79.1	79.0	80.7	74.7	64.8	64.0	67.8	70.6	71.7	71.8	71.7	71.5	71.3	
Income	-15.7	-17.1	-18.8	-20.0	-19.1	-13.9	-14.4	-14.0	-15.5	-15.2	-14.7	-14.3	-13.8	-13.3	
ancial account	5.9	6.4	34.8	35.5	22.8	6.2	27.0	32.6	31.6	31.4	32.3	31.7	32.2	35.4	
DI	-13.9	-3.8	-5.9	-2.9	-1.8	-1.3	-3.7	2.3	3.5	2.2	3.7	3.8	5.1	9.1	
ortfolio investment	3.0	5.1	6.7	24.1	10.2	26.9	6.7	20.0	15.0	16.5	16.5	16.4	16.2	15.9	
inancial derivatives	0.0	0.1	-0.3	-1.2	-0.6	-0.7	0.8	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	
Other investment	16.7	5.0	34.3	15.4	14.9	-18.7	23.2	11.0	13.7	13.2	12.7	12.1	11.6	11.1	
ors and omissions	-15.3	-10.3	4.3	-5.9	-11.2	-14.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	
serve Asset	18.3	27.7	8.8	-1.1	0.1	5.1	1.0	0.4	3.3	5.9	6.3	7.7	7.9	5.5	
reign exchange reserves (In billion of US dollars) 2/	23.7	34.0	16.6	16.1	16.4	18.9	19.5	20.2	20.3						
oss external debt	113.1	127.8	119.2	120.6	133.5	198.9	172.2	166.7	182.0	184.0	186.0	188.0	190.0	192.0	
							(Annual p	ercentage o	hange)						
ancial sector															
oans	31.6	31.2	26.2	31.4	29.0	10.3	3.1	14.2	12.9						
Resident	29.3	28.5	18.4	29.6	31.8	14.8	8.6	8.4	10.2						
Mortgages	45.6	25.3	29.2	25.9	19.9	10.1	8.7	6.9	12.6						
Others	21.6	30.3	12.5	32.0	39.0	17.1	8.6	9.2	9.0						
Nonresident	34.4	34.3	34.6	33.2	26.4	6.0	-2.7	21.0	15.7						
Mortgages	18.4	9.8	21.5	-6.2	6.1	22.3	-3.7	-1.6	-3.7						
Others	35.2	35.3	35.1	34.4	26.8	5.8	-2.7	21.5	16.0						
omestic credit to residents (in percent of GDP)	58.0	56.9	57.7	62.5	76.7	107.4	116.7	113.0	114.7						
omestic credit to non-residents (in percent of GDP)	51.2	52.6	60.6	67.4	79.3	102.6	99.8	107.8	115.0						
lousehold domestic credit to residents (in percent of GDP)	27.1	26.9	29.7	35.0	43.1	57.6	63.8	60.1	62.6						
ousehold domestic credit to non-residents (in percent of GDP) nterest rates	2.5	2.2	2.8	4.0	4.4	4.2	4.7	4.6	4.9						
Discount window base rate (level, %, eop)	0.5	0.5	0.5	0.5	0.5	0.8	1.0	1.8	2.8						
Saving deposit rate (level, %, average)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
MAIBOR 3-month (level, %, eop)	0.3	0.4	0.4	0.4	0.4	0.4	1.0	1.3	2.4						
ırism															
Visitor arrivals	14.8	12.2	0.3	4.4	7.5	-2.6	0.8	5.4	9.8						
Gaming revenue	57.5	41.9	13.4	18.6	-2.5	-34.3	-3.3	19.0	14.0						
hange rate			_				_								
IOP per USD, period average	0.2	0.2	-0.4	0.0	0.0	0.0	0.1	0.4	0.6						
ominal effective exchange rate (avearge, +=appreciation)	-0.8	-5.0	1.7	0.2	0.3	7.0	1.5	-0.1	-2.5						
eal effective exchange rate (avearge, +=appreciation)	-1.2	-1.7	2.9	2.2	3.7	6.9	3.3	-0.9	-0.9						
morandum items:															
ominal GDP (in millions of US dollars) er capita GDP (in thousands of US dollars)	28,123.7	36,708.0	43,031.8	51,552.4	55,348	45,362	45,322	50,559	54,545	58,055	62,158	66,673	71,689	77,086	1
	52	67	76	87	89	71	70	78	83	86	91	96	102	108	

P. Selected Economic and Einancial Indic - In I a

1/ Contribution to annual growth in percentage points. 2/ Fiscal Reserve was established on January 1, 2012 with a transfer from foreign exchange reserves.

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
					Est.			Pro	oj.		
				(4	Annual per	centage c	hange)		-		
National accounts					•	5	5				
Real GDP	-1.2	-21.6	-0.9	9.7	4.7	4.3	4.2	4.1	4.1	4.1	4.1
Total domestic demand	23.0	2.9	-5.3	-1.2	-1.6	-0.6	1.4	2.5	2.7	2.7	2.7
Consumption	6.0	2.7	0.6	1.7	4.3	3.0	2.7	3.1	3.3	3.2	3.2
Investment	36.3	3.3	-14.0	-6.2	-12.4	-8.5	-1.7	0.9	1.3	1.3	1.3
Net exports 1/	-7.9	-22.9	2.4	10.4	5.7	4.5	3.5	3.0	2.9	2.9	2.9
Export	-4.5	-26.6	-1.9	16.9	9.5	6.7	5.5	5.0	4.8	4.8	4.8
Import	12.5	1.1	-10.1	7.0	6.1	3.5	3.9	4.3	3.9	3.9	3.9
Consumer prices and employment											
Headline inflation (average)	6.0	4.6	2.4	1.2	3.0	2.5	2.7	3.0	3.1	3.1	3.0
Terms of Trade	-0.5	0.8	0.5	0.2	-0.3	0.5	0.1	0.1	0.1	0.1	0.1
Unemployment rate	1.7	1.8	1.9	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
						nt of GDP)					
Gross capital formation	19.6	25.1	21.6	19.0	15.8	13.8	13.0	12.5	12.1	11.8	11.4
Gross capital formation Gross national saving	53.8	50.4	48.7	51.9	50.8	51.2	51.7	52.0	52.4	52.7	53.1
	55.0	50.1							52.1	52.7	55.1
			(11	n percent o	f GDP, uni	ess otherv	wise speci	fied)			
Balance of payments 2/											
Current account, net	34.2	25.3	27.2	33.0	35.0	37.4	38.7	39.5	40.2	40.9	41.
Trade balance of goods and services, net	53.3	39.2	41.7	47.0	50.5	52.5	53.4	53.7	54.0	54.3	54.0
Goods balance	-21.4	-25.6	-22.3	-20.8	-20.1	-19.2	-18.4	-18.0	-17.5	-17.0	-16.0
Services balance	74.7	64.8	64.0	67.8	70.6	71.7	71.8	71.7	71.5	71.3	71.1
Income	-19.1	-13.9	-14.4	-14.0	-15.5	-15.2	-14.7	-14.3	-13.8	-13.3	-12.9
Primary Income	-14.3	-8.1	-8.2	-8.1	-9.3	-9.0	-8.6	-8.2	-7.9	-7.5	-7.1
Secondary Income	-4.8	-5.8	-6.2	-5.9	-6.1	-6.2	-6.1	-6.0	-5.9	-5.9	-5.8
Capital account, net	0.0	0.0	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0
Financial account, net	22.8	6.2	27.0	32.6	31.6	31.4	32.3	31.7	32.2	35.4	34.8
Direct investment, net	-1.8	-1.3	-3.7	2.3	3.5	2.2	3.7	3.8	5.1	9.1	9.2
Portfolio investment, net	10.2	26.9	6.7	20.0	15.0	16.5	16.5	16.4	16.2	15.9	15.5
Financial derivatives, net	-0.6	-0.7	0.8	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
Other investment, net	14.9	-18.7	23.2	11.0	13.7	13.2	12.7	12.1	11.6	11.1	10.7
Errors and omissions, net	-11.2	-14.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reserve assets (net change)	0.1	5.1	1.0	0.4	3.3	5.9	6.3	7.7	7.9	5.5	6.8
					(In percer	nt of GDP)					
-iscal accounts											
General government balance	24.0	13.7	11.4	13.2	14.1	14.2	13.8	13.3	12.9	12.4	12.0
Budgetary Central Government Balance	20.5	8.7	6.3	10.6	12.5	12.6	12.2	11.7	11.3	10.8	10.4
Revenue	35.2	30.1	28.0	29.1	30.1	29.7	29.3	29.0	28.6	28.3	27.9
Expenditure	14.6	21.4	21.7	18.5	17.6	17.1	17.2	17.3	17.4	17.5	17.6
Extra-budgetary funds balance	0.9	0.6	0.5	1.0	0.6	0.5	0.5	0.5	0.5	0.5	0.5
Social security funds balance	2.5	4.5	4.6	1.7	1.0	1.1	1.1	1.1	1.1	1.1	1.1
Memorandum items:											
Nominal GDP (in millions of MOP)	442,070	362,214	362,356	405,790	440,316	466,060	491,300	520,656	552,217	585,396	621,58
Exchange rate (MOP per USD, percent change)	0.0	0.0	0.1	0.4	0.6	-0.6	-1.5	-1.2	-1.4	-1.4	-1.4
Nominal effective exchange rate (percent change)	0.3	7.0	1.5	-0.1	-2.5						
Real effective exchange rate (percent change)	3.7	6.9	3.3	-0.9	-0.9						

Table 2 Macao SAP: Modium Torm Macr mic Erom selz

Sources: CEIC; Haver Analytics; IMF, International Financial Statistics; national authorities; and IMF staff estimates and projections.

1/ Contribution to annual growth in percentage points.

2/ BPM6 methodology.

	2011	2012	2013	2014	2015	2016	2017	2018	2018	2019	2019	2020
							-	Budget	Est.	Budget	Proj.	Proj.
			(In m	illions of MO	P)							
Budgetary Central Government	442.024	100.001	450 740	455 400	400.057	101 555	447.000	402 470	122 674		120.200	444.05
Revenue Taxes	112,621 107,281	129,384 123,307	150,749 145,557	155,489 149,523	108,857 102,781	101,566 97,426	117,908 114,266	103,170 100,736	132,671 128.388	114,994 112,356	138,289 133,647	144,05 139,16
Personal Income	961	123,307	145,557	149,523	2,058	2,139	2,365	2,391	2,606	2,627	2,863	3,01
Corporate Income	2,801	3,276	3,645	4,575	5,898	5,571	5,610	5,084	5,229	4,841	4,979	5,24
Property	320	335	462	581	765	996	1,055	1,000	1,081	923	998	1,05
Goods and Services	102,787	117,961	139,536	141.861	93,489	88,110	104,531	91.608	118,700	103,290	124,009	129,00
Of which: Gaming	99,656	113,378	134,382	136,710	89,573	84,375	99,845	87,010	113,512	98,228	118,517	123,21
Other	413	592	603	770	572	610	703	652	772	675	798	84
Other Revenue	5,340	6,077	5,192	5,966	6,076	4,140	3,642	2,434	4,283	2,639	4,643	4,89
Expenditures	47,483	53,685	53,950	64,646	77,416	78,718	75,006	92,100	77,445	93,635	79,504	84,30
Wages	6,265	6,997	7,794	8,762	9,826	10,560	11,403	12,792	12,040	13,552	12,755	13,44
Goods and Services	2,198	2,836	3,156	3,396	3,544	3,356	3,155	4,812	3,589	6,503	4,850	5,11
Subsidies	2,277	1,324	1,598	1,725	1,491	1,557	1,830	1,959	1,892	1,882	1,818	1,91
Intra Government Transfers	16,909	18,244	26,213	28,997	38,418	37,197	27,261	29,383	26,671	31,178	28,444	30,47
To EBFs	12,509	13,086	14,210	16,426	19,911	19,076	21,743	24,729	20,390	25,965	21,410	22,81
To SSF	4,400	5,158	12,003	12,571	18,507	18,121	5,518	4,654	6,281	5,212	7,035	7,66
Social Benefits	7,112	7,700	8,717	10,002	10,545	11,487	11,405	12,410	11,729	14,184	13,406	14,37
Other Current	3,580	2,382	3,661	4,781	5,071	6,233	6,565	11,074	6,810	11,044	6,792	7,16
Capital Expenditure	9,142	14,202	2,812	6,983	8,521	8,328	13,387	19,671	14,714	15,291	11,438	11,81
Budgetary Central Government Balance	65,138	74,859	96,796	90,843	31,441	22,848	42,902	11,069	55,226	21,359	58,786	59,75
Extra-Budgetary Funds												
Revenue	17,154	18,359	20,418	23,007	24,319	24,525	28,059	29,936	27,123	31,905	29,706	31,56
Taxes and other Receipts	4,582	5,160	6,129	6,468	4,246	4,988	5,922	4,820	6,733	5,940	8,297	8,74
Transfers from Central Government	12,572	13,198	14,289	16,539	20,073	19,537	22,137	25,116	20,390	25,965	21,410	22,81
Expenditure	13,152	14,840	16,450	19,064	22,270	22,872	24,030	28,030	24,587	31,053	27,336	29,06
Wages	4,392	4,877	5,335	6,070	6,995	7,452	8,048	8,950	8,452	9,726	9,185	9,68
Subsidies	429	1,384	690	682	588	670	1,206	894	595	583	388	40
Grants	102	161	117	164	204	525	433	431	474	682	750	79
Social Benefits	846	1,130	1,100	1,184	1,326	1,422	1,578	1,823	1,525	2,342	1,959	2,31
Other Current	7,123	7,546	8,718	10,360	12,470	12,077	12,155	14,908	12,750	16,508	14,119	14,88
Capital Expenditure	259	(259)	490	604	687	726	610	1,024	789	1,212	934	98
EBF Balance	4,002	3,519	3,969	3,943	2,049	1,653	4,029	1,906	2,536	853	2,370	2,49
Social Security Fund												
Revenue	4,939	5,789	12,658	14,006	19,621	20,515	10,772	7,458	8,840	8,262	9,815	10,59
Social Contributions	305	181	181	185	190	192	383	407	389	392	375	39
Transfers from Central Government	4,400	5,158	12,003	12,571	18,507	18,121	5,518	4,654	6,281	5,212	7,035	7,66
Other Revenue	234	451	475	1,250	925	2,203	4,871	2,397	2,170	2,657	2,405	2,53
Expenditure	1,191	1,412	2,311	2,844	3,410	3,884	4,026	4,741	4,510	4,963	4,702	5,20
Wages	61	70	76	89	100	107	119	140	135	157	151	16
Social Benefits	1,103	1,306	2,198	2,612	2,979	3,436	3,772	4,358	4,094	4,644	4,363	4,84
Other Current	26	28	34	143	331	341	135	242	281	162	188	19
Capital Expenditure	2	8	4	-	-	-	-		-		-	-
SSF Balance	3,747	4,377	10,347	11,161	16,212	16,631	6,746	2,717	4,330	3,299	5,113	5,39
General Government Balance	72,887	82,755	111,112	105,947	49,701	41,132	53,677	15,692	62,092	25,511	66,269	67,64
Revenue	117,742	135,176	157,533	163,392	114,218	108,948	129,083	110,794	141,963	123,984	149,366	155,73
Expenditure	44,855	52,422	46,421	57,445	64,517	67,816	75,406	95,101	79,871	98,473	83,097	88,08
Memorandum												
Fiscal Reserve 1/		100,240	168,899	246,337	345,055	438,663	490,038		508,803		575,072	642,71
Public Sector Domestic Deposits	236,824	244,126	301,578	340,533	308,840	285,974	311,852		380,860		515,012	042,71
Non-Gaming Balance	(26,769)	(30,623)	(23,270)	(30,763)	(39,872)	(43,243)	(46,168)		(51,420)		(52,248)	(55,56
ton Gaming balance	(20,709)	(30,023)	(25,210)	(50,703)	(59,012)	(43,243)	(40,100)		(31,420)		(32,240)	(55,50

Table 3a. Macao SAR: General Government Accounts (million MOP)

INTERNATIONAL MONETARY FUND 29

	2011	2012	2013	2014	2015	2016	2017	2018	2018	2019	2019	2020
								Budget	Est.	Budget	Proj.	Proj.
Budgetary Central Government			(In pe	rcent of G	DP)							
Revenue	38.3	37.6	36.6	35.2	30.1	28.0	29.1	23.4	30.1	24.7	29.7	29.3
Taxes	36.4	37.0	35.3	33.8	28.4	26.0	29.1	23.4	29.2	24.7	29.7	29.3
Personal Income	36.4 0.3	35.9 0.3	35.3 0.3	33.8 0.4	28.4	26.9	28.2	22.9	29.2	24.1	28.7	20.3
Corporate Income	0.3 1.0	1.0	0.3	0.4 1.0	0.6 1.6		0.6 1.4	0.5 1.2	1.2	0.6 1.0	0.6	0.6
•						1.5	0.3					
Property	0.1	0.1	0.1	0.1	0.2	0.3		0.2	0.2	0.2	0.2	0.2
Goods and Services	34.9	34.3	33.9	32.1	25.8	24.3	25.8	20.8	27.0	22.2	26.6	26.3
Of which: Gaming	33.9	33.0	32.6	30.9	24.7	23.3	24.6	19.8	25.8	21.1	25.4	25.1
Other	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2
Other Revenue	1.8	1.8	1.3	1.3	1.7	1.1	0.9	0.6	1.0	0.6	1.0	1.0
Expenditures	16.1	15.6	13.1	14.6	21.4	21.7	18.5	20.9	17.6	20.1	17.1	17.2
Wages	2.1	2.0	1.9	2.0	2.7	2.9	2.8	2.9	2.7	2.9	2.7	2.7
Goods and Services	0.7	0.8	0.8	0.8	1.0	0.9	0.8	1.1	0.8	1.4	1.0	1.0
Subsidies	0.8	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4
Intra Government Transfers	5.7	5.3	6.4	6.6	10.6	10.3	6.7	6.7	6.1	6.7	6.1	6.2
To EBFs	4.2	3.8	3.5	3.7	5.5	5.3	5.4	5.6	4.6	5.6	4.6	4.6
To SSF	1.5	1.5	2.9	2.8	5.1	5.0	1.4	1.1	1.4	1.1	1.5	1.6
Social Benefits	2.4	2.2	2.1	2.3	2.9	3.2	2.8	2.8	2.7	3.0	2.9	2.9
Other Current	1.2	0.7	0.9	1.1	1.4	1.7	1.6	2.5	1.5	2.4	1.5	1.5
Capital Expenditure	3.1	4.1	0.7	1.6	2.4	2.3	3.3	4.5	3.3	3.3	2.5	2.4
Budgetary Central Government Balance	22.1	21.8	23.5	20.5	8.7	6.3	10.6	2.5	12.5	4.6	12.6	12.2
Extra-Budgetary Funds												
Revenue	5.8	5.3	5.0	5.2	6.7	6.8	6.9	6.8	6.2	6.8	6.4	6.4
Taxes and other Receipts	1.6	1.5	1.5	1.5	1.2	1.4	1.5	1.1	1.5	1.3	1.8	1.8
Transfers from Central Government	4.3	3.8	3.5	3.7	5.5	5.4	5.5	5.7	4.6	5.6	4.6	4.6
Expenditure	4.5	4.3	4.0	4.3	6.1	6.3	5.9	6.4	5.6	6.7	5.9	5.9
Wages	1.5	1.4	1.3	1.4	1.9	2.1	2.0	2.0	1.9	2.1	2.0	2.0
Subsidies	0.1	0.4	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.1	0.1	0.1
Grants	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Social Benefits	0.3	0.3	0.3	0.3	0.4	0.1	0.4	0.1	0.3	0.5	0.2	0.5
Other Current	2.4	2.2	2.1	2.3	3.4	3.3	3.0	3.4	2.9	3.5	3.0	3.0
Capital Expenditure	0.1	-0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
EBF Balance	1.4	-0.1	1.0	0.1	0.2	0.2	1.0	0.2	0.2	0.3	0.2	0.2
	1.4	1.0	1.0	0.9	0.0	0.5	1.0	0.4	0.0	0.2	0.5	0.5
Social Security Fund												
Revenue	1.7	1.7	3.1	3.2	5.4	5.7	2.7	1.7	2.0	1.8	2.1	2.2
Social Contributions	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Transfers from Central Government	1.5	1.5	2.9	2.8	5.1	5.0	1.4	1.1	1.4	1.1	1.5	1.6
Other Revenue	0.1	0.1	0.1	0.3	0.3	0.6	1.2	0.5	0.5	0.6	0.5	0.5
Expenditure	0.4	0.4	0.6	0.6	0.9	1.1	1.0	1.1	1.0	1.1	1.0	1.1
Wages	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Social Benefits	0.4	0.4	0.5	0.6	0.8	0.9	0.9	1.0	0.9	1.0	0.9	1.0
Other Current	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0
Capital Expenditure	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		0.0	0.0
SSF Balance	1.3	1.3	2.5	2.5	4.5	4.6	1.7	0.6	1.0	0.7	1.1	1.1
General Government Balance	24.8	24.1	27.0	24.0	13.7	11.4	13.2	3.6	14.1	5.5	14.2	13.8
Revenue	40.0	39.3	38.2	37.0	31.5	30.1	31.8	25.2	32.2	26.6	32.0	31.7
Expenditure	15.2	15.2	11.3	13.0	17.8	18.7	18.6	21.6	18.1	20.0	17.8	17.9
								20		21	0	. /
Memorandum												
Fiscal Reserve 1/		29.2	41.0	55.7	95.3	121.1	120.8		115.6		123.4	130.8
Public Sector Domestic Deposits	80.5	71.0	73.2	77.0	85.3	78.9	76.9		86.5			
Cyclically Adjusted Non-Gaming Balance 2/	-23.3	-23.8	-16.1	-19.1	-21.0	-21.3	-21.5		-22.2		-21.3	-21.5
Social Spending 3/	8.6	8.8	5.4	6.7	9.3	9.8	9.5		8.9		9.2	9.3

Table 3b. Macao SAR: General Government Accounts (percent of GDP)

1/ Fiscal Reserve was established on January 1, 2012 with a transfer from foreign exchange reserves.
 2/ In percent of potential non-gaming GDP
 3/ Includes Social Protection, Health, Housing, and Education from spending categories by function.

Sources: Financial Services Bureau; and IMF staff estimates.

Table 4. Macao SAR: Balance of Payments 1/

Credit (exports) 1,061 1,40 Debit (imports) 8,819 10,41 Services balance, net 29,051 33,99 Credit (exports) 32,226 37,80 Debit (imports) 3,174 3,81 Primary Income, net -4,953 -6,40 Secondary Income, net -1,340 -1,67 Capital account, net 2,353 14,96 Direct investment, net -1,390 -2,54 Liabilities 1,754 3,56 Assets 365 1,02 Portfolio investment, net 1,879 2,88 Liabilities 213 41 Assets 2,093 3,29 Financial derivatives, net 44 -12 Liabilities	31,053 -10,545 1,493 1,493 1,233 41,598 41,598 4,5,233 3,635 -8,122 -10,182 -11,182 -11,182 -11,182 -11,175 -11,175 -11,175 -12,266 12,266 12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -5,72 -3,025 -3,025 -5,72 -3,025 -5,20,53 -2,2,53	29,506 -11,831 1,787 13,618 41,337 -7,930 -2,663 -2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 8,274 9,776 18,051 -6,186 77 34,2 5,3 -21,4 3,2	11,484 17,801 -11,615 1,959 13,574 29,416 33,384 -3,668 -2,649 -8 2,818 -587 367 -220 12,202 -1,136 11,066 -336 11,066 -336 11,026 -336 -8,461 17,236 8,776 -6,334 2,325 25,3 39,2 -2,5,6 4,3	12,341 18,887 -10,126 1,546 11,671 32,989 3,976 -3,728 -2,817 -68 12,230 -1,660 1,673 14 3,047 1,713 4,759 345 -13,076 -2,578 400 443 (J 2,2,2 41,7	1,742 12,253 34,840 4,583 -4,095 -2,990 -45 16,507 1,169 431 1,601 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent	19,108 27,539 -10,984 1,992 12,975 38,523 43,780 5,257 -5,078 -3,352 -45 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809	21,700 30,501	24,032 33,168 -11,457 2,271 13,728 44,624 50,012 5,388 -5,357 -3,779 -45 20,085 2,308 -291 2,017 10,266 1,336 11,602 -379 7,890 1,587 9,477 0 3,902	Prc 26,332 35,836 -11,982 2,434 14,416 47,817 53,097 5,279 -5,496 -4,008 -45 21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 8,095 1,666 9,761 0 0 5,149	28,833 38,722	31,542 41,830 -13,100 2,800 59,584 4,654 -5,774 -4,514 -4,514 -45 27,278 6,980 -325 6,655 12,231 1,508 13,738 -451 1,508 13,738 -451 1,837 10,355 0 4,219	34,593 45,30 -13,773 3,01 16,74 59,04 63,29 4,255 -5,91 -4,79 7,655 -333 7,32 12,888 1,57 14,455 -47 -47 -47 -8,844 1,92 10,777 5,655
Trade balance of goods and services, net 21,293 24,97 Goods balance, net -7,758 -9,01 Credit (exports) 1,061 1,40 Debit (imports) 8,819 10,41 Services balance, net 29,051 33,99 Credit (exports) 32,226 37,80 Debit (imports) 3,174 3,81 Primary Income, net -4,953 -6,40 Secondary Income, net -1,340 -1,67 apital account, net 1,329 -1,340 -1,67 apital account, net 1,329 -2,54 -3,56 Liabilities 1,754 3,56 -1,02 Portfolio investment, net 1,879 2,88 -1,23 Liabilities 2,13 44 -12 Cher investment, net 1,820 14,74 Assets 2,093 3,277 19,09 rrors and omissions, net -3,796 1,83 eserve assets 10,179 3,77 urrent account, net 40,9 39. 17 </th <th>31,053 -10,545 1,493 1,493 1,233 41,598 41,598 4,5,233 3,635 -8,122 -10,182 -11,182 -11,182 -11,182 -11,175 -11,175 -11,175 -12,266 12,266 12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -5,72 -3,025 -3,025 -5,72 -3,025 -5,20,53 -2,2,53</th> <th>29,506 -11,831 1,787 13,618 41,337 -7,930 -2,663 -2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 8,274 9,776 18,051 -6,186 77 34,2 5,3 -21,4 3,2</th> <th>17,801 -11,615 1,959 13,574 29,416 33,384 3,968 -2,649 -8 2,818 -587 367 -220 12,202 -1,136 11,066 -336 -8,461 17,236 8,776 -6,334 2,325 25.3 39,2 -25.6</th> <th>12,341 18,887 -10,126 1,546 11,671 32,989 3,976 -3,728 -2,817 -68 12,230 -1,660 1,673 14 3,047 1,713 4,759 345 -13,076 -2,578 400 443 (J 2,2,2 41,7</th> <th>16,662 23,746 -10,511 1,742 12,253 34,258 38,840 4,583 -4,095 -2,990 -45 16,507 1,169 431 1,601 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent</th> <th>19,108 27,539 -10,984 1,992 12,975 38,523 43,780 5,257 -5,078 -3,352 -45 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809</th> <th>21,700 30,501 -11,145 2,133 13,278 411,646 47,189 5,543 -5,217 -3,583 -45 18,226 1,289 -280 1,008 9,607 1,282 10,889 -359 -359 7,690 1,511 9,201 0</th> <th>33,168 -11,457 2,271 13,728 44,624 50,012 5,388 -5,357 -3,779 -45 20,085 2,308 -291 2,017 10,266 1,366 11,602 -379 7,890 1,587 9,477 0</th> <th>35,836 -11,982 2,434 14,416 47,817 53,097 5,279 -5,496 -4,008 -45 21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 8,095 1,666 9,761 0</th> <th>38,722 -12,532 2,611 15,143 51,254 56,265 5,011 -5,635 -4,255 -45 23,098 3,641 -314 3,328 11,578 1,448 13,026 -426 8,305 1,749 10,054 0</th> <th>41,830 -13,100 2,800 15,900 54,930 59,584 4,654 -5,774 -4,514 -45 27,278 6,980 -325 6,655 12,231 1,508 13,738 -451 8,519 1,837 10,355 0</th> <th>45,30 -13,73 3,01 16,74 59,04 4,25 -5,91 -4,79 7,65 -33 7,32 12,88,89 7,65 -33 7,32 12,88,89 7,65 -4,79 -4,79 7,65 -4,79 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,89 -4,7</th>	31,053 -10,545 1,493 1,493 1,233 41,598 41,598 4,5,233 3,635 -8,122 -10,182 -11,182 -11,182 -11,182 -11,175 -11,175 -11,175 -12,266 12,266 12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -12,266 -5,72 -3,025 -3,025 -5,72 -3,025 -5,20,53 -2,2,53	29,506 -11,831 1,787 13,618 41,337 -7,930 -2,663 -2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 8,274 9,776 18,051 -6,186 77 34,2 5,3 -21,4 3,2	17,801 -11,615 1,959 13,574 29,416 33,384 3,968 -2,649 -8 2,818 -587 367 -220 12,202 -1,136 11,066 -336 -8,461 17,236 8,776 -6,334 2,325 25.3 39,2 -25.6	12,341 18,887 -10,126 1,546 11,671 32,989 3,976 -3,728 -2,817 -68 12,230 -1,660 1,673 14 3,047 1,713 4,759 345 -13,076 -2,578 400 443 (J 2,2,2 41,7	16,662 23,746 -10,511 1,742 12,253 34,258 38,840 4,583 -4,095 -2,990 -45 16,507 1,169 431 1,601 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent	19,108 27,539 -10,984 1,992 12,975 38,523 43,780 5,257 -5,078 -3,352 -45 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809	21,700 30,501 -11,145 2,133 13,278 411,646 47,189 5,543 -5,217 -3,583 -45 18,226 1,289 -280 1,008 9,607 1,282 10,889 -359 -359 7,690 1,511 9,201 0	33,168 -11,457 2,271 13,728 44,624 50,012 5,388 -5,357 -3,779 -45 20,085 2,308 -291 2,017 10,266 1,366 11,602 -379 7,890 1,587 9,477 0	35,836 -11,982 2,434 14,416 47,817 53,097 5,279 -5,496 -4,008 -45 21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 8,095 1,666 9,761 0	38,722 -12,532 2,611 15,143 51,254 56,265 5,011 -5,635 -4,255 -45 23,098 3,641 -314 3,328 11,578 1,448 13,026 -426 8,305 1,749 10,054 0	41,830 -13,100 2,800 15,900 54,930 59,584 4,654 -5,774 -4,514 -45 27,278 6,980 -325 6,655 12,231 1,508 13,738 -451 8,519 1,837 10,355 0	45,30 -13,73 3,01 16,74 59,04 4,25 -5,91 -4,79 7,65 -33 7,32 12,88,89 7,65 -33 7,32 12,88,89 7,65 -4,79 -4,79 7,65 -4,79 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 7,65 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,79 -4,89 -4,7
Trade balance of goods and services, net 21,293 24,97 Goods balance, net -7,758 -9,01 Credit (exports) 1,061 1,40 Debit (imports) 8,819 10,41 Services balance, net 29,051 33,99 Credit (exports) 32,226 37,80 Debit (imports) 3,174 3,81 Primary Income, net -4,953 -6,40 Secondary Income, net -1,340 -1,67 Tapital account, net 1,329 -1,340 -1,67 Trade balance, net 2,353 14,96 -2,54 Liabilities 1,754 3,56 -1,02 Portfolio investment, net 1,879 2,88 -1,23 Liabilities 2,13 44 -12 Liabilities	31,053 -10,549 1,493 1,493 1,239 41,598 41,598 3,639 -2,187 11,493 -2,187 11,493 -10,182 3,639 -8,122 11,475 3,737 2,266 12,244 -12,265 4,-622 7,7943 7,11,666 19,603 3,3025 -3,025 -5,72 3,40,20 -5,72 3,40,20 -6,23 -3,025 -3,025 -5,72 3,40,20 -20,53 2,265	29,506 -11,831 1,787 13,618 41,337 -7,930 -2,663 -2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 8,274 9,776 18,051 -6,186 77 34,2 5,3 -21,4 3,2	17,801 -11,615 1,959 13,574 29,416 33,384 3,968 -2,649 -8 2,818 -587 367 -220 12,202 -1,136 11,066 -336 -8,461 17,236 8,776 -6,334 2,325 25.3 39,2 -25.6	18,887 -10,126 1,546 11,671 29,013 32,989 3,976 -3,728 -2,817 -68 12,230 -1,663 14 3,047 1,713 4,759 345 10,498 -13,076 -2,578 400 443 (I 27.2 41.7	23,746 -10,511 1,742 12,253 34,258 38,840 4,583 -4,095 -2,990 -45 16,507 1,169 431 1,601 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent	27,539 -10,984 1,992 12,975 38,523 43,780 5,257 -5,078 -3,352 -45 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 -3400 7,494 1,439 8,933 0 1,809	30,501 -11,145 2,133 13,278 41,646 47,189 5,543 -5,217 -3,583 -45 18,226 1,289 -280 1,089 -280 1,089 -359 -359 7,690 1,511 9,201 0	33,168 -11,457 2,271 13,728 44,624 50,012 5,388 -5,357 -3,779 -45 20,085 2,308 -291 2,017 10,266 1,366 11,602 -379 7,890 1,587 9,477 0	35,836 -11,982 2,434 14,416 47,817 53,097 5,279 -5,496 -4,008 -45 21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 8,095 1,666 9,761 0	38,722 -12,532 2,611 15,143 51,254 56,265 5,011 -5,635 -4,255 -45 23,098 3,641 -314 3,328 11,578 1,448 13,026 -426 8,305 1,749 10,054 0	41,830 -13,100 2,800 15,900 54,930 59,584 4,654 -5,774 -4,514 -45 27,278 6,980 -325 6,655 12,231 1,508 13,738 -451 8,519 1,837 10,355 0	45,30 -13,73 3,01 16,74 59,04 4,25 -5,91 -4,79 7,66 -33 7,32 12,88,89 7,65 -14,79 14,49 -4,77 14,49 -4,77 8,84 1,92 -4,79 10,77 -4,79
Goods balance, net -7,758 -9,01 Credit (exports) 1,061 1,40 Debit (imports) 8,819 10,41 Services balance, net 29,051 33,99 Credit (exports) 32,226 37,80 Debit (imports) 3,174 3,81 Primary Income, net -4,953 -6,40 Secondary Income, net -1,340 -1,67 Gapital account, net 2,353 14,96 Direct investment, net -1,390 -2,54 Liabilities 3,754 3,56 Assets 365 1,02 Portfolio investment, net 1,879 2,88 Liabilities 213 44 Assets 2,093 3,29 Financial derivatives, net 44 -12 Other investment, net 1,820 14,74 Liabilities -3,796 1,83 Portors and omissions, net -3,796 1,83 Caredit exports) 2.9 3. Current account,	7 -10,545 1,493 12,035 41,598 45,233 3,635 45,233 3,635 45,233 18,283 -1,475 5,737 2,2,62 12,444 -1,475 3,737 2,2,62 12,444 -1,475 3,737 2,2,62 12,444 -1,475 3,737 2,2,62 12,444 -1,475 3,737 2,2,62 1,2,444 -1,475 3,737 2,2,62 1,2,444 -1,475 3,737 1,2,662 4,-622 -,7,943 7,11,666 4,-622 -,7,943 7,2,262 1,-2,444 -,7,943 7,11,666 2,-2,02 1,-2,444 -,5,72 2,2,62 1,-2,444 -,5,72 2,2,62 1,-2,444 -,5,72 2,2,62 1,-2,444 -,5,72 2,2,62 2,2,62 1,-2,444 2,2,265 2,2,56 2,2,56 2,2,57 2,2,62 2,2,62 2,2,62 2,2,62 2,2,62 2,2,62 2,2,62 2,2,62 2,2,62 2,2,62 2,2,62 2,2,62 2,2,57 2,57	-11,831 1,787 13,618 41,337 45,224 45,224 43,887 -7,930 -2,663 -2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 8,274 9,776 18,051 -6,186 77 34,22 5,33 -214 4,32	-11,615 1,959 13,574 29,416 33,384 -3,668 -2,649 -8 2,818 -587 -220 12,202 -1,136 11,066 -336 -8,461 17,236 8,776 -6,334 2,325 25,3 39,2 -25,6	-10,126 1,546 11,671 29,013 32,989 3,976 -3,728 -2,817 -68 12,230 -1,660 1,673 14 3,047 1,713 4,759 345 3,458 -13,076 -2,578 400 443 (I 27.2 41.7	-10,511 1,742 12,253 34,258 38,840 4,583 -4,095 -2,990 -45 16,507 1,169 431 1,601 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent	-10,984 1,992 12,975 38,523 43,780 5,257 -5,078 -3,352 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809	-11,145 2,133 13,278 41,646 47,189 5,543 -5,217 -3,583 -45 18,226 1,289 -280 1,088 9,607 1,282 10,889 -359 -359 7,699 7,511 9,201 0	-11,457 2,271 13,728 44,624 50,012 5,388 -5,357 -3,779 -45 20,085 2,308 -291 2,017 10,266 1,336 11,602 -379 7,890 1,587 9,477 0	-11,982 2,434 14,416 47,817 53,097 -5,279 -5,496 -4,008 -45 21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 8,095 1,666 9,761 0	-12,532 2,611 15,143 51,254 56,265 -4,255 -4,255 -45 23,098 3,641 -314 3,328 11,578 1,448 13,026 -426 8,305 1,749 10,054 0	-13,100 2,800 15,900 59,584 4,654 -5,774 -4,514 -45 27,278 6,980 -325 6,655 12,231 1,508 13,738 -451 8,519 1,837 10,355 0	-13,73 3,011 16,74 59,04 63,29 4,255 -5,97 -4,79 -4,79 -4,79 -4,79 -33 7,322 12,88 1,57 14,45 -47 -47 8,84 1,92 10,77
Credit (exports) 1,061 1,40 Debit (imports) 8,819 10,41 Services balance, net 29,051 33,99 Credit (exports) 32,226 37,80 Debit (imports) 3,174 3,81 Primary Income, net -4,953 -6,40 Secondary Income, net -1,340 -1,67 Tapital account, net 2,353 14,96 Direct investment, net -1,390 -2,54 Liabilities 1,754 3,56 Assets 365 1,02 Portfolio investment, net 1,879 2,88 Liabilities 213 44 Assets 2,093 3,29 Financial derivatives, net 44 -12 Liabilities -4,57 4,34 Assets 8,277 19,09 rrors and omissions, net -3,796 1,83 eserve assets 10,179 3,77 Credit (exports) 2,93 3. Debit (imports) 24.0 24. <td>1,493 12,039 12,039 12,039 12,039 41,598 41,598 41,598 45,233 3,633 5 -8,124 -2,187 1 18,283 5 -1,479 5 3,737 2 2,262 12,444 -175 12,269 4 -625 -7,794 7 11,666 19,603 -3,029 -3,029 -3,029 -3,029 -4,020 60.2 -3,029 -3,029 -3,029 -3,029 -40,20 -3,029 -3,029 -3,029 -3,029 -3,029 -3,029 -40,20 -20,53</td> <td>1,787 13,618 41,337 45,224 3,887 -7,930 -2,663 -2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 -319 8,274 9,776 18,051 -6,186 77 34,2 5,33 -214 4,32</td> <td>1,959 13,574 29,416 33,984 3,968 -3,668 -2,649 -8 2,818 -587 367 -220 12,202 -1,136 11,066 -336 -336 -336 -8,461 17,236 8,776 -6,334 2,325 2,5,3 39,2 -2,5,6</td> <td>1,546 11,671 29,013 32,989 3,976 -3,728 -2,817 -68 12,230 -1,660 1,673 14 3,047 1,673 4,759 345 3,45 13,076 -2,578 400 443 ([27.2 41.7]</td> <td>1,742 12,253 34,840 4,583 -4,095 -2,990 -45 16,507 1,169 431 1,601 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent</td> <td>1,992 12,975 38,523 43,780 5,257 -5,078 -3,352 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809</td> <td>2,133 13,278 41,646 47,189 5,543 -5,217 -3,583 -45 18,226 1,289 -280 1,008 9,607 1,282 10,889 -359 -359 7,650 1,511 9,201 0</td> <td>2,271 13,728 44,624 50,012 5,388 -5,357 -3,779 -45 20,085 2,308 -291 2,017 10,266 1,336 1,366 1,366 1,360 1,587 9,477 0</td> <td>2,434 14,416 47,817 53,079 -5,496 -4,008 -45 21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 -401 8,095 1,666 9,761 0</td> <td>2,611 15,143 51,254 56,265 -4,255 -4,255 -45 23,098 3,641 -314 3,328 11,578 14,488 13,026 -426 8,305 1,749 10,054 0</td> <td>2,800 15,900 54,930 59,584 4,654 -5,774 -4,514 -45 27,278 6,980 -325 6,655 12,231 1,508 13,738 -451 8,519 1,837 10,355 0</td> <td>3,011 16,74 59,040 63,29 -5,911 -4,79 -4,79 -33 7,325 7,335 7,355 7,5557 7,5557 7,5557 7,5557 7,5557 7,5557 7,5557 7,5557 7,5557 7,5557 7,</td>	1,493 12,039 12,039 12,039 12,039 41,598 41,598 41,598 45,233 3,633 5 -8,124 -2,187 1 18,283 5 -1,479 5 3,737 2 2,262 12,444 -175 12,269 4 -625 -7,794 7 11,666 19,603 -3,029 -3,029 -3,029 -3,029 -4,020 60.2 -3,029 -3,029 -3,029 -3,029 -40,20 -3,029 -3,029 -3,029 -3,029 -3,029 -3,029 -40,20 -20,53	1,787 13,618 41,337 45,224 3,887 -7,930 -2,663 -2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 -319 8,274 9,776 18,051 -6,186 77 34,2 5,33 -214 4,32	1,959 13,574 29,416 33,984 3,968 -3,668 -2,649 -8 2,818 -587 367 -220 12,202 -1,136 11,066 -336 -336 -336 -8,461 17,236 8,776 -6,334 2,325 2,5,3 39,2 -2,5,6	1,546 11,671 29,013 32,989 3,976 -3,728 -2,817 -68 12,230 -1,660 1,673 14 3,047 1,673 4,759 345 3,45 13,076 -2,578 400 443 ([27.2 41.7]	1,742 12,253 34,840 4,583 -4,095 -2,990 -45 16,507 1,169 431 1,601 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent	1,992 12,975 38,523 43,780 5,257 -5,078 -3,352 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809	2,133 13,278 41,646 47,189 5,543 -5,217 -3,583 -45 18,226 1,289 -280 1,008 9,607 1,282 10,889 -359 -359 7,650 1,511 9,201 0	2,271 13,728 44,624 50,012 5,388 -5,357 -3,779 -45 20,085 2,308 -291 2,017 10,266 1,336 1,366 1,366 1,360 1,587 9,477 0	2,434 14,416 47,817 53,079 -5,496 -4,008 -45 21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 -401 8,095 1,666 9,761 0	2,611 15,143 51,254 56,265 -4,255 -4,255 -45 23,098 3,641 -314 3,328 11,578 14,488 13,026 -426 8,305 1,749 10,054 0	2,800 15,900 54,930 59,584 4,654 -5,774 -4,514 -45 27,278 6,980 -325 6,655 12,231 1,508 13,738 -451 8,519 1,837 10,355 0	3,011 16,74 59,040 63,29 -5,911 -4,79 -4,79 -33 7,325 7,335 7,355 7,5557 7,5557 7,5557 7,5557 7,5557 7,5557 7,5557 7,5557 7,5557 7,5557 7,
Debit (imports) 8,819 10,41 Services balance, net 29,051 33,99 Credit (exports) 32,226 37,80 Debit (imports) 3,174 3,81 Primary Income, net -4,953 -6,40 Secondary Income, net -1,340 -1,67 Capital account, net 2,353 14,96 Direct investment, net -1,330 -2,54 Liabilities 1,754 3,56 Assets 365 1,02 Portfolio investment, net 1,879 2,88 Liabilities 213 41 Assets 2,093 3,29 Financial derivatives, net 44 -12 Liabilities	12,039 41,598 41,598 41,598 41,598 3,639 -8,124 -2,187 1 18,283 -1,475 3,732 2,262 12,269 -12,269 -2,187 12,269 -12,269 -2,262 -12,269 -12,269 -2,262 -11,666 19,603 -3,029 -3,029 -572 3 40,2 -572 3 40,2 -60,2 -3,029 -3,029 -3,029 -3,029 -3,029 -3,029 -3,029 -3,029 -3,029 -3,029 -3,029 -3,029 -3,029 -3,029 -3,029	13,618 41,337 45,224 3,887 -7,930 -2,663 -2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 -319 8,274 9,776 18,051 -6,186 77 34,2 5,33 -214,4 3,2	13,574 29,416 33,384 3,968 -2,649 -8 2,818 -587 367 -220 12,202 -1,136 11,066 -336 -336 -336 -336 -336 -336 -3,461 17,236 8,776 -6,334 2,325 -2,5,5	11,671 29,013 32,989 3,976 -3,728 -2,817 -68 12,230 1,660 1,673 14 3,047 1,713 4,759 345 10,498 -13,076 -2,578 400 443 ([27.2 41.7]	12,253 34,258 38,840 4,583 -4,095 -2,990 -45 16,507 1,169 431 1,601 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent	12,975 38,523 43,780 5,257 -5,078 -3,352 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809	13,278 41,646 47,189 5,543 -5,217 -3,583 -45 18,226 1,289 -280 1,008 9,607 1,282 10,889 -359 7,690 1,511 9,201 0	13,728 44,624 50,012 5,385 -3,779 -45 20,085 2,308 -291 2,017 10,266 1,366 1,366 1,360 1,567 9,477 0	14,416 47,817 53,097 -5,496 -4,008 -4,008 2,521 -303 2,218 10,923 1,391 12,314 -401 8,095 1,666 9,761 0	15,143 51,254 56,265 5,011 -5,635 -4,255 23,098 3,641 -314 3,328 11,578 1,348 13,026 -426 8,305 1,749 10,054 0	15,900 54,930 59,584 -5,774 -4,514 -45 27,278 6,980 -325 6,655 12,231 1,508 -451 8,519 13,738 -451 8,519 1,837 10,355 0	16,74 59,044 63,29 4,29 -5,91 -4,79 -22 88,89 7,69 -33 7,32 7,32 7,32 12,88 1,57 14,49 -47 -47 8,84 1,92 10,77
Services balance, net 29,051 33,99 Credit (exports) 32,226 37,80 Debit (imports) 3,174 3,81 Primary Income, net -4,953 -6,40 Secondary Income, net -1,340 -1,67 Capital account, net 2,353 14,96 Direct investment, net -1,340 -2,54 Liabilities 1,754 3,56 Assets 365 1,02 Portfolio investment, net 1,879 2,88 Liabilities 2,093 3,29 Financial derivatives, net 44 -12 Liabilities Assets 2,093 3,29 Financial derivatives, net 44 -12 Liabilities Assets 8,277 19,09 rrors and omissions, net -3,796 1,83 tiabilities 6,457 4,34 Assets 8,277 19,09 Trade balance of goods and services, net 58.0	41,596 41,598 45,233 3,635 -8,124 -2,187 1 18,283 -10 18,283 -1,479 5 3,635 -10 18,283 -1,479 2,262 12,244 -1779 12,269 -12,444 -17,943 7 11,666 19,609 3 -3,025 -572 3 40,2 -572 3 -3,025 -572 3 -3,025 -3,025 -572 3 -3,025 -572 -572 -572 -573	41,337 45,224 3,887 -7,930 -2,663 -2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 8,274 9,776 18,051 -6,186 77 34,2 5,33 -214 4,32	29,416 33,384 3,968 -3,668 -2,649 -8 2,818 -587 -220 12,202 -1,136 11,066 -336 -336 -8,461 17,236 8,762 -6,334 2,325 -2,5,5 -2,5,6	29,013 32,989 3,976 -3,728 -2,817 -68 12,230 -1,660 1,673 14 3,047 1,713 4,759 345 345 10,498 -13,076 -2,578 400 443 ([27.2 41.7]	34,258 38,840 4,583 -2,990 -45 16,507 1,169 431 1,601 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent	38,523 43,780 5,257 -5,078 -3,352 -45 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809	41,646 47,189 5,543 -5,217 -3,583 -45 18,269 -280 1,008 9,607 1,282 10,889 -359 -359 7,690 1,511 9,201 0	44,624 50,012 5,388 -5,357 -3,779 -45 20,085 2,308 -291 2,017 10,266 1,360 11,602 -379 -379 7,890 1,587 9,477 0	47,817 53,097 5,279 -5,496 -4,008 21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 8,095 1,666 9,761 0	51,254 56,265 5,011 -5,635 -4,255 23,098 3,641 -314 3,328 11,578 1,448 13,026 -426 8,305 1,749 10,054 0	54,930 59,584 4,654 -5,774 -4,514 6,980 -325 6,655 12,231 1,508 13,738 -451 8,519 1,837 10,355 0	59,04 63,29 -5,91 -4,79 -28,899 -333 7,699 -333 7,322 12,88 1,57 14,49 -47 8,84 1,922 10,77
Credit (exports) 32,226 37,80 Debit (imports) 3,174 3,81 Primary Income, net -4,953 -6,40 Secondary Income, net -1,340 -1,67 Capital account, net 2,353 14,96 Direct investment, net -1,390 -2,54 Liabilities 1,754 3,56 Assets 365 1,02 Portfolio investment, net 1,879 2,88 Liabilities 2,13 44 Assets 2,093 3,29 Financial derivatives, net 1,820 14,74 Liabilities	5 45,233 3,635 -8,124 - -2,187 - -1 1 18,283 3 -1,475 3 -1,475 2 2,266 12,444 -175 2 -2,687 4 -629 -11,666 19,602 3 -3,025 1 -572 3 40,20 -572 -20,633 3 40,20 3 -20,253 2 -20,53	45,224 3,887 -7,930 -2,663 -2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 8,274 9,776 18,051 -6,186 77 34,2 5,33 -214 4,32	33,384 3,968 -3,668 -2,649 -8 2,818 -587 -220 12,202 -1,136 11,066 -336 -8,461 17,236 8,764 -6,334 2,325 -2,325 -2,5,6	32,989 3,976 -3,728 -2,817 -68 12,230 -1,663 1,673 14 3,047 1,713 4,759 345 -0,448 -13,076 -2,578 400 443 (I 27.2 41.7	38,840 4,583 -4,095 -2,990 -45 16,507 1,169 431 1,601 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent	43,780 5,257 -5,078 -3,352 -45 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809	47,189 5,543 -5,217 -3,583 -45 18,226 1,289 -280 1,089 9,607 1,282 10,889 -359 -359 7,690 1,511 9,201 0	50,012 5,388 -5,357 -3,779 -45 20,085 2,308 -291 2,017 10,266 11,366 11,602 -379 -379 7,890 1,587 9,477 0	53,097 5,279 -5,496 -4,008 -45 21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 -401 8,095 1,666 9,761 0	56,265 5,011 -5,635 -4,255 -45 23,098 3,641 -314 3,328 11,578 1,448 13,026 -426 8,305 1,749 10,054 0	59,584 4,654 -5,774 -4,514 -45 27,278 6,980 -325 6,655 12,231 1,508 13,738 -451 -451 8,519 1,837 10,355 0	63,22 4,22 -5,91 -4,79 -28,899 -333 7,699 -333 7,52 12,88 1,57 14,45 -47 8,84 1,92 10,77
Debit (imports) 3,174 3,81 Primary Income, net -4,953 -6,40 Secondary Income, net -1,340 -1,67 Capital account, net 2,353 14,96 Direct investment, net -1,390 -2,54 Liabilities 3,65 1,02 Portfolio investment, net 1,879 2,88 Liabilities 2,13 41 Assets 2,093 3,29 Financial derivatives, net 44 -12 Other investment, net 1,820 14,74 Liabilities Assets 44 -12 Other investment, net 1,820 14,74 Liabilities Assets 8,277 19,09 rors and omissions, net -3,796 1,83 Goods balance, net -21,1 -21 Credit (exports) 2,9 3. Debit (imports) 24.0 24.0 Secondary Income, net -13.5 -14.	3,639 3,639 -8,124 -2,187 1-1,182 118,283 -1,479 2,266 12,244 -175 12,266 12,244 -175 12,266 12,263 4-622 -7,943 711,666 19,603 3-3,025 1-572 3-40,20 -572 3-40,20 -20,53 -20,53	3,887 -7,930 -2,663 -2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 8,274 9,776 18,051 -6,186 77 34,2 5,33 -214,4 3,2	3,968 -3,668 -2,649 -8 2,818 -587 -220 12,202 -1,136 11,066 -336 -8,461 17,236 8,776 -6,334 2,325 25,3 39,2 -25,6	3,976 -3,728 -2,817 -68 12,230 -1,660 1,673 14 3,047 1,713 4,759 345 345 10,498 -13,076 -2,578 400 443 (I 27.2 41.7	4,583 -4,095 -2,990 -45 16,507 1,169 431 1,601 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percem	5,257 -5,078 -3,352 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809	5,543 -5,217 -3,583 -45 18,226 1,289 -280 1,088 9,607 1,282 10,889 -359 -359 7,690 1,511 9,201 0	5,388 -5,357 -3,779 -45 20,085 2,308 -291 2,017 10,266 1,336 11,602 -379 7,890 1,587 9,477 0	5,279 -5,496 -4,008 -45 21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 -401 8,095 1,666 9,761 0	5,011 -5,635 -4,255 23,098 3,641 -314 3,328 11,578 1,448 13,026 -426 -426 8,305 1,749 10,054 0	4,654 -5,774 -4,514 -45 27,278 6,980 -325 6,655 12,231 1,508 13,738 -451 1,508 13,738 -451 8,519 1,837 10,355 0	4,25 -5,9 -4,79 -28,89 7,69 -33 7,32 12,88 1,57 14,49 -47 -47 -47 8,88 8,88 1,92 10,77
Primary Income, net -4,953 -6,40 Secondary Income, net -1,340 -1,67 capital account, net 1,329 -1,340 -1,67 inancial account, net 2,353 14,96 -2,54 Liabilities 1,754 3,56 -3,56 Assets 365 1,02 -2,54 Liabilities 1,879 2,88 -12 Vortfolio investment, net 1,879 2,88 -12 Liabilities 213 41 -12 -12 -12 -12 -12 -14 -13 <td< td=""><td>5 -8,124 -2,187 1 -2,187 1 18,283 3 -1,479 5 3,737 2 2,262 1 12,444 9 -175 9 12,269 4 -625 1 2,444 9 -175 9 12,269 4 -625 1 2,444 9 -175 9 12,269 1 2,444 9 -175 9 12,269 1 2,444 9 -175 9 12,269 1 2,445 1 2,465 1 2,4</td><td>-7,930 -2,663 -2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 8,274 9,776 18,051 -6,186 77 34,2 5,33 -214 4,32</td><td>-3,668 -2,649 -8 2,818 -587 367 -220 12,202 -1,136 11,066 -336 -8,461 17,236 8,776 -6,334 2,325 25,3 39,2 -25,6</td><td>-3,728 -2,817 -68 12,230 -1,660 1,673 14 3,047 1,713 4,759 345 345 345 13,076 -2,578 400 443 (I 27.2 41.7</td><td>-4,095 -2,990 -45 16,507 1,169 431 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent</td><td>-5,078 -3,352 -45 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809</td><td>-5,217 -3,583 -45 18,226 1,289 -280 1,008 9,607 1,282 10,889 -359 7,690 1,511 9,201 0</td><td>-5,357 -3,779 -45 20,085 2,308 -291 2,017 10,266 1,336 11,602 -379 7,890 1,587 9,477 0</td><td>-5,496 -4,008 -45 21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 8,095 1,666 9,761 0</td><td>-5,635 -4,255 23,098 3,641 -314 3,328 11,578 1,448 13,026 -426 8,305 1,749 10,054 0</td><td>-5,774 -4,514 -45 27,278 6,980 -325 6,655 12,231 1,508 13,738 -451 8,519 1,837 10,355 0</td><td>-5,9° -4,79° -28,895 7,65° -33 7,32 7,32 7,32 7,32 7,32 7,32 7,32 7,</td></td<>	5 -8,124 -2,187 1 -2,187 1 18,283 3 -1,479 5 3,737 2 2,262 1 12,444 9 -175 9 12,269 4 -625 1 2,444 9 -175 9 12,269 4 -625 1 2,444 9 -175 9 12,269 1 2,444 9 -175 9 12,269 1 2,444 9 -175 9 12,269 1 2,445 1 2,465 1 2,4	-7,930 -2,663 -2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 8,274 9,776 18,051 -6,186 77 34,2 5,33 -214 4,32	-3,668 -2,649 -8 2,818 -587 367 -220 12,202 -1,136 11,066 -336 -8,461 17,236 8,776 -6,334 2,325 25,3 39,2 -25,6	-3,728 -2,817 -68 12,230 -1,660 1,673 14 3,047 1,713 4,759 345 345 345 13,076 -2,578 400 443 (I 27.2 41.7	-4,095 -2,990 -45 16,507 1,169 431 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent	-5,078 -3,352 -45 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809	-5,217 -3,583 -45 18,226 1,289 -280 1,008 9,607 1,282 10,889 -359 7,690 1,511 9,201 0	-5,357 -3,779 -45 20,085 2,308 -291 2,017 10,266 1,336 11,602 -379 7,890 1,587 9,477 0	-5,496 -4,008 -45 21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 8,095 1,666 9,761 0	-5,635 -4,255 23,098 3,641 -314 3,328 11,578 1,448 13,026 -426 8,305 1,749 10,054 0	-5,774 -4,514 -45 27,278 6,980 -325 6,655 12,231 1,508 13,738 -451 8,519 1,837 10,355 0	-5,9° -4,79° -28,895 7,65° -33 7,32 7,32 7,32 7,32 7,32 7,32 7,32 7,
Secondary Income, net-1,340-1,67Japital account, net1,329inancial account, net2,353Ideoted System14,96Direct investment, net-1,390-2,54LiabilitiesLiabilities1,754Sects365Norsets2,033Portfolio investment, net1,879Liabilities213Assets2,033Sects44-12LiabilitiesAssets2,033Quert investment, net1,820LiabilitiesAssets8,277Other investment, net1,820LiabilitiesAssets8,277Other investment, net-3,796LiabilitiesAssets8,277Igods and services, net58.0Goods balance, net-21.1-Credit (exports)2.9Bebit (imports)24.0Services balance, net-79.1-Potit (imports)8.6Primary Income, net-13.5-14.Secondary Income, net-3.7-3.Capital account, net-3.7Assets1.02.22.2Potrolio investment, net-3.7-3.2-3.7Credit (exports)8.68.8.Primary Income, net-3.7-3.3-5.7Credit (exports)-3.8-5.77.Financial derivatives, net0.1<	 -2,187 -11 18,283 -1,479 3,733 2,2,623 12,244 -1779 12,269 -12,269 -12,269<!--</td--><td>-2,663 -2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 -319 8,274 9,776 18,051 -6,186 77 34,2 5,33 -214 3,2</td><td>-2,649 -8 2,818 -587 367 -220 12,202 -1,136 11,066 -336 -336 -8,461 17,236 8,776 -6,334 2,325 25,3 39,2 -25,6</td><td>-2,817 -68 12,230 -1,660 1,673 14 3,047 1,713 345 345 10,459 -345 10,459 -2,578 400 443 ([27.2 41.7]</td><td>-2,990 -45 16,507 1,169 431 1,601 10,088 3,946 14,038 -313 -313 5,563 1,308 6,871 84 193 n percent</td><td>-3,352 -45 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 7,494 1,439 8,933 0 1,809</td><td>-3,583 -45 18,269 -280 1,008 9,607 1,282 10,889 -359 7,690 1,511 9,201 0</td><td>-3,779 -45 20,085 2,308 -291 2,017 10,266 1,336 11,602 -379 -379 7,890 1,587 9,477 0</td><td>-4,008 -45 21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 -401 8,095 1,666 9,761 0</td><td>-4,255 -45 23,098 3,641 -314 3,328 11,578 1,448 13,026 -426 8,305 1,749 10,054 0</td><td>-4,514 -45 27,278 6,980 -325 6,655 12,231 1,508 13,738 -451 -451 8,519 1,837 10,355 0</td><td>-4,79 28,89 7,69 -33 7,32 12,88 1,55 14,49 -41 -41 8,84 1,92 10,75</td>	-2,663 -2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 -319 8,274 9,776 18,051 -6,186 77 34,2 5,33 -214 3,2	-2,649 -8 2,818 -587 367 -220 12,202 -1,136 11,066 -336 -336 -8,461 17,236 8,776 -6,334 2,325 25,3 39,2 -25,6	-2,817 -68 12,230 -1,660 1,673 14 3,047 1,713 345 345 10,459 -345 10,459 -2,578 400 443 ([27.2 41.7]	-2,990 -45 16,507 1,169 431 1,601 10,088 3,946 14,038 -313 -313 5,563 1,308 6,871 84 193 n percent	-3,352 -45 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 7,494 1,439 8,933 0 1,809	-3,583 -45 18,269 -280 1,008 9,607 1,282 10,889 -359 7,690 1,511 9,201 0	-3,779 -45 20,085 2,308 -291 2,017 10,266 1,336 11,602 -379 -379 7,890 1,587 9,477 0	-4,008 -45 21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 -401 8,095 1,666 9,761 0	-4,255 -45 23,098 3,641 -314 3,328 11,578 1,448 13,026 -426 8,305 1,749 10,054 0	-4,514 -45 27,278 6,980 -325 6,655 12,231 1,508 13,738 -451 -451 8,519 1,837 10,355 0	-4,79 28,89 7,69 -33 7,32 12,88 1,55 14,49 -41 -41 8,84 1,92 10,75
capital account, net 1,329 inancial account, net 2,353 14,96 Direct investment, net -1,330 -2,54 Liabilities 1,754 3,56 Assets 365 1,02 Portfolio investment, net 1,879 2,88 Liabilities 2,13 44 Assets 2,093 3,29 Financial derivatives, net 44 -12 Liabilities	-1 18,283 18,283 -1,479 5,3,733 2,2,622 12,444 -175 12,269 12,269 12,269 12,269 12,269 -175 12,269 -12,269 -12,269 -12,269 -12,269 -12,269 -12,269 -12,269 -12,269 -12,269 -12,269 -12,269 -12,269 -12,269 -12,269 -12,269 -13,029 -3,029 -572 -20,59 -20,58 -20,58	-2 12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 8,274 9,776 18,051 -6,186 77 34,2 5,33 -21,4 3,2	-8 2,818 -587 367 -220 12,202 -1,136 11,066 -336 -336 -8,461 17,236 8,776 -6,334 2,325 25,3 39,2 -25,6	-68 12,230 -1,660 1,673 14 3,047 1,713 4,759 345 10,498 -13,076 -2,578 400 443 ([27.2 41.7	-45 16,507 1,169 431 1,601 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percen	-45 17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809	-45 18,226 1,289 -280 1,008 9,607 1,282 10,889 -359 -359 7,690 1,511 9,201 0	-45 20,085 2,308 -291 2,017 10,266 1,336 11,602 -379 -379 7,890 1,587 9,477 0	-45 21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 -401 8,095 1,666 9,761 0	-45 23,098 3,641 -314 3,328 11,578 1,448 13,026 -426 8,305 1,749 10,054 0	-45 27,278 6,980 -325 6,655 12,231 1,508 13,738 -451 -451 8,519 1,837 10,355 0	-4 28,89 7,61 -3: 7,32 12,84 1,55 14,49 -41 8,84 1,92 10,75
inancial account, net 2,353 14,96 Direct investment, net -1,390 -2,54 Liabilities 1,754 3,56 Assets 365 1,02 Portfolio investment, net 1,879 2,88 Liabilities 213 41 Assets 2,093 3,29 Financial derivatives, net 44 -12 Liabilities	18,283 -1,475 3,733 2,262 12,444 -175 12,269 -12,269 -175 12,244 -175 12,269	12,647 -972 2,362 1,390 5,664 1,142 6,806 -319 8,274 9,776 18,051 -6,186 77 34,2 5,3,3 -21,4 3,2	2,818 -587 367 -220 12,202 -1,136 -336 -8,461 17,236 8,776 -6,334 2,325 25,3 39,2 -25,6	12,230 -1,660 1,673 14 3,047 1,713 4,759 345 345 10,498 -13,076 -2,578 400 443 (I 27.2 41.7	16,507 1,169 431 1,601 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent	17,255 1,896 -216 1,681 8,204 1,973 10,177 -340 7,494 1,439 8,933 0 1,809	18,226 1,289 -280 1,008 9,607 1,282 10,889 -359 -359 7,690 1,511 9,201 0	20,085 2,308 -291 2,017 10,266 1,336 11,602 -379 7,890 1,587 9,477 0	21,138 2,521 -303 2,218 10,923 1,391 12,314 -401 -401 8,095 1,666 9,761 0	23,098 3,641 -314 3,328 11,578 1,448 13,026 -426 8,305 1,749 10,054 0	27,278 6,980 -325 6,655 12,231 1,508 13,738 -451 8,519 1,837 10,355 0	28,8 7,6 -3 7,3 12,8 1,5 14,4 -4 -4 8,8 1,9 10,7
Direct investment, net -1,390 -2,54 Liabilities 1,754 3,56 Assets 365 1,02 Portfolio investment, net 1,879 2,88 Liabilities 213 41 Assets 2,093 3,29 Financial derivatives, net 44 -12 Liabilities Assets 2,093 3,29 Financial derivatives, net 44 -12 Liabilities Assets 8,277 19,09 rrors and omissions, net -3,796 1,83 eserve assets 10,179 3,776 urrent account, net 40.9 39. Trade balance of goods and services, net 58.0 58. Goods balance, net -21.1 -21.1 Credit (exports) 24.0 24. Services balance, net 79.1 79. Credit (exports) 87.8 87.8 Primary Income, net -13.5 -14.	3 -1,475 3 ,737 2 ,262 0 12,444 0 -175 0 12,268 4 -629 7 7,943 7 11,666 4 -572 3 -3,025 4 -572 3 40.2 0 60.2 0 -60.2 0 -60.2 0 -20.5 3 2.9	-972 2,362 1,390 5,664 1,142 6,806 -319 -319 8,274 9,776 18,051 -6,186 77 34,2 5,33 -21,4 3,2	-587 367 -220 11,202 -1,136 11,066 -336 -8,461 17,236 8,776 -6,334 2,325 25,3 39,2 -25,6	-1,660 1,673 14 3,047 1,713 4,759 345 10,498 -13,076 -2,578 400 443 (I 27.2 41.7	1,169 431 1,601 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent	1,896 -216 1,681 8,204 1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809	1,289 -280 1,008 9,607 1,282 10,889 -359 7,690 1,511 9,201 0	2,308 -291 2,017 10,266 1,336 11,602 -379 -379 7,890 1,587 9,477 0	2,521 -303 2,218 10,923 1,391 12,314 -401 8,095 1,666 9,761 0	3,641 -314 3,328 11,578 1,448 13,066 -426 8,305 1,749 10,054 0	6,980 -325 6,655 12,231 1,508 13,738 -451 -451 8,519 1,837 10,355 0	7,6 -3 7,3 12,8 1,5 14,4 -4 -4 8,8 1,9 10,7
Liabilities 1,754 3,56 Assets 365 1,02 Portfolio investment, net 1,879 2,88 Liabilities 213 41 Assets 2,093 3,29 Financial derivatives, net 44 -12 Liabilities Assets 2,093 3,29 Financial derivatives, net 44 -12 Liabilities Assets 44 -12 Other investment, net 1,820 14,74 Liabilities 6,457 4,820 Assets 8,277 19,09 rrors and omissions, net -3,796 1,83 eserve assets 10,179 3,776 Uurrent account, net 40.9 39, Trade balance of goods and services, net 58.0 58. Goods balance, net -21.1 -21. Credit (exports) 24.0 24. Services balance, net 79.1 79. Credit (exports) 87.8 87. Debit (imports)	5 3,737 2 2,262) 12,444 9 -175 9 12,269 4 -629 7 7,943 7 11,666 19,609 3 -3,029 4 -572 4 40,20 5 -20,53 8 2,9	2,362 1,390 5,664 1,142 6,806 -319 8,274 9,776 18,051 -6,186 77 34,2 5,33 -21,4 3,2	367 -220 12,202 -1,136 11,066 -336 -8,461 17,236 8,776 -6,334 2,325 25,3 39,2 -25,6	1,673 14 3,047 1,713 4,759 345 10,498 -13,076 -2,578 400 443 (I 27.2 41.7	431 1,601 10,088 3,946 14,034 -313 -313 5,563 1,308 6,871 84 193 n percent	-216 1,681 8,204 1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809	-280 1,008 9,607 1,282 10,889 -359 7,690 1,511 9,201 0	-291 2,017 10,266 1,336 11,602 -379 -379 7,890 1,587 9,477 0	-303 2,218 10,923 1,391 12,314 -401 8,095 1,666 9,761 0	-314 3,328 11,578 1,448 13,026 -426 8,305 1,749 10,054 0	-325 6,655 12,231 1,508 13,738 -451 -451 8,519 1,837 10,355 0	-3: 7,3: 12,8: 1,5: 14,4! -4: 8,84 1,92 10,7
Assets 365 1,02 Portfolio investment, net 1,879 2,88 Liabilities 213 41 Assets 2,093 3,29 Financial derivatives, net 44 -12 Liabilities -44 Assets 44 -12 Other investment, net 1,820 14,74 Liabilities -4,74 Assets 8,277 19,09 rrors and omissions, net -3,796 1,83 eserve assets 10,179 3,77 urrent account, net 40.9 39. Trade balance of goods and services, net 58.0 58. Goods balance, net -21.1 -21. Credit (exports) 2.9 3. Debit (imports) 24.0 24. Services balance, net 79.1 79. Credit (exports) 87.8 87. Debit (imports) 8.6 8. Primary Income, net -13.5 -14. Secondary Income, net -3.7 -3. apital acco	2 2,262 12,444 -175 12,265 	1,390 5,664 1,142 6,806 -319 8,274 9,776 18,051 -6,186 77 34,2 5,33 -21,4 3,2	-220 12,202 -1,136 11,066 -336 -8,461 17,236 8,776 -6,334 2,325 25,3 39,2 -25,6	14 3,047 1,713 4,759 345 345 10,498 -13,076 -2,578 400 443 (I 27.2 41.7	1,601 10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent	1,681 8,204 1,973 10,177 -340 7,494 1,439 8,933 0 1,809	1,008 9,607 1,282 10,889 -359 -359 7,690 1,511 9,201 0	2,017 10,266 1,336 11,602 -379 -379 7,890 1,587 9,477 0	2,218 10,923 1,391 12,314 -401 -401 8,095 1,666 9,761 0	3,328 11,578 1,448 13,026 -426 -426 8,305 1,749 10,054 0	6,655 12,231 1,508 13,738 -451 -451 8,519 1,837 10,355 0	7,32 12,88 1,51 14,49 -41 -41 8,84 1,92 10,71
Portfolio investment, net 1,879 2,88 Liabilities 213 41 Assets 2,093 3,29 Financial derivatives, net 44 -12 Liabilities Assets 44 -12 Other investment, net 1,820 14,74 Liabilities Assets 6,457 4,34 rors and omissions, net -3,796 1,83 rors and omissions, net -3,796 1,83 rors and omissions, net -21,1 -21,1 Current account, net 40,9 39, Trade balance of goods and services, net 580 58. Goods balance, net -21,1 -21. Credit (exports) 24.0 24.0 Services balance, net 79.1 79. Credit (exports) 87.8 87. Debit (imports) 8.6 8. Primary Income, net -13.5 -14. Secondary Income, net -3.7	12,444 -175 12,269 4 -629 4 -629 7 7,943 7 11,666 4 19,609 3 -3,029 1 -572 3 40.2 - 60.2 0 60.2 0 -200.53 2.9 -2.9	5,664 1,142 6,806 -319 -319 8,274 9,776 18,051 -6,186 77 34.2 5,33 -21,4 3,2	12,202 -1,136 11,066 -336 -8,461 17,236 8,776 -6,334 2,325 25,3 39,2 -25,6	3,047 1,713 4,759 345 345 10,498 -13,076 -2,578 400 443 (I 27.2 41.7	10,088 3,946 14,034 -313 5,563 1,308 6,871 84 193 n percent	8,204 1,973 10,177 -340 7,494 1,439 8,933 0 1,809	9,607 1,282 10,889 -359 -359 7,690 1,511 9,201 0	10,266 1,336 11,602 -379 -379 7,890 1,587 9,477 0	10,923 1,391 12,314 -401 -401 8,095 1,666 9,761 0	11,578 1,448 13,026 -426 -426 8,305 1,749 10,054 0	12,231 1,508 13,738 -451 -451 8,519 1,837 10,355 0	12,88 1,5 14,49 -4 8,84 1,92 10,7
Liabilities 213 41 Assets 2,093 3,29 Financial derivatives, net 44 -12 Liabilities Assets 44 -12 Other investment, net 1,820 14,74 Liabilities 6,457 4,34 Assets 8,277 19,09 rrors and omissions, net -3,796 1,83 eserve assets 10,179 3,77 furrent account, net 40.9 39. Trade balance of goods and services, net 58.0 58. Goods balance, net -21.1 -21. Credit (exports) 24.0 24. Services balance, net 79.1 79. Credit (exports) 87.8 87. Debit (imports) 8.6 8. Primary Income, net -13.5 -14. Secondary Income, net -3.3 -5. rapital account, net -3.8 -5. Liabilities 4.8 8.	 -175 12,269 -629 -629 -629 77,943 11,666 19,609 -3,029 -3,029 -572 40.2 -60.2 -20.5 2.5 	1,142 6,806 -319 -319 8,274 9,776 18,051 -6,186 777 34.2 53.3 -21.4 3.2	-1,136 11,066 -336 -8,461 17,236 8,776 -6,334 2,325 25.3 39.2 -25.6	1,713 4,759 345 345 10,498 -13,076 -2,578 400 443 (I 27.2 41.7	3,946 14,034 -313 -313 5,563 1,308 6,871 84 193 n percent	1,973 10,177 -340 -340 7,494 1,439 8,933 0 1,809	1,282 10,889 -359 -359 7,690 1,511 9,201 0	1,336 11,602 -379 -379 7,890 1,587 9,477 0	1,391 12,314 -401 -401 8,095 1,666 9,761 0	1,448 13,026 -426 -426 8,305 1,749 10,054 0	1,508 13,738 -451 -451 8,519 1,837 10,355 0	1,51 14,43 -41 -41 8,84 1,92 10,75
Assets 2,093 3,29 Financial derivatives, net 44 -12 Liabilities	 12,269 -629 -629 -629 77,943 711,666 19,609 -3,029 -3,029 -572 40.2 -60.2 -20.5 2.5 	6,806 -319 -319 8,274 9,776 18,051 -6,186 77 34.2 53.3 -21.4 3.2	11,066 -336 -336 -8,461 17,236 8,776 -6,334 2,325 25.3 39.2 -25.6	4,759 345 345 10,498 -13,076 -2,578 400 443 (I 27.2 41.7	14,034 -313 -313 5,563 1,308 6,871 84 193 n percent	10,177 -340 -340 7,494 1,439 8,933 0 1,809	10,889 -359 -359 7,690 1,511 9,201 0	11,602 -379 -379 7,890 1,587 9,477 0	12,314 -401 -401 8,095 1,666 9,761 0	13,026 -426 -426 8,305 1,749 10,054 0	13,738 -451 -451 8,519 1,837 10,355 0	14,4. -4 -4 8,8 1,9 10,7
Financial derivatives, net 44 -12 Liabilities	4 -629 7 7,943 7 11,666 4 19,609 3 -3,029 4 -572 3 40,2 0 60,2 0 -20,5 3 2,5	-319 -319 8,274 9,776 18,051 -6,186 77 34.2 53.3 -21.4 3.2	-336 -336 -8,461 17,236 8,776 -6,334 2,325 25.3 39.2 -25.6	345 345 10,498 -13,076 -2,578 400 443 (I 27.2 41.7	-313 -313 5,563 1,308 6,871 84 193 n percent	-340 7,494 1,439 8,933 0 1,809	-359 -359 7,690 1,511 9,201 0	-379 -379 7,890 1,587 9,477 0	-401 -401 8,095 1,666 9,761 0	-426 -426 8,305 1,749 10,054 0	-451 -451 8,519 1,837 10,355 0	-4 -4 8,8 1,9 10,7
Liabilities Assets 44 -12 Other investment, net 1,820 14,74 Liabilities 6,457 4,34 Assets 8,277 19,09 rrors and omissions, net -3,796 1,83 eserve assets 10,179 3,77 terrent account, net 40.9 39. Trade balance of goods and services, net 58.0 58. Goods balance, net -21.1 -21. Credit (exports) 2.9 3. Debit (imports) 24.0 24. Services balance, net 79.1 79. Credit (exports) 87.8 87. Debit (imports) 86.6 8. Primary Income, net -13.5 -14. Secondary Income, net -3.7 -3. capital account, net 6.4 34. Direct investment, net -3.8 -5. Liabilities 4.8 8. Assets 5.7 7. Finan	 4 -629 7 7,943 7 11,666 4 19,609 3 -3,029 4 -572 4 -572 4 -572 5 40.2 5 60.2 5 -20.5 5 2.5 5 2.5	 -319 8,274 9,776 18,051 -6,186 77 34,2 53,3 -21,4 3,2	 -336 -8,461 17,236 8,776 -6,334 2,325 25.3 39.2 -25.6	 345 10,498 -13,076 -2,578 400 443 (I 27.2 41.7	 -313 5,563 1,308 6,871 84 193 n percent	 -340 7,494 1,439 8,933 0 1,809	 -359 7,690 1,511 9,201 0	 -379 7,890 1,587 9,477 0	 -401 8,095 1,666 9,761 0	 -426 8,305 1,749 10,054 0	 -451 8,519 1,837 10,355 0	-4 8,84 1,92 10,73
Assets 44 -12 Other investment, net 1,820 14,74 Liabilities 6,457 4,34 Assets 6,457 4,34 Assets 8,277 19,09 prors and omissions, net -3,796 1,83 eserve assets 10,179 3,77 urrent account, net 40.9 39. Trade balance of goods and services, net 58.0 58. Goods balance, net -21.1 -21. Credit (exports) 24.0 24. Services balance, net 79.1 79. Credit (exports) 87.8 87. Debit (imports) 8.6 8. Primary Income, net -13.5 -14. Secondary Income, net -3.7 -3. apital account, net 6.4 34. Direct investment, net -3.8 -5.7 Liabilities 4.8 8. Assets 5.7 7. Financial derivatives, net 0.1 -0. <td>4 -625 7 7,943 7 11,666 4 19,609 3 -3,029 4 -572 3 40.2 6 60.2 0 -20.5 8 2.5</td> <td>-319 8,274 9,776 18,051 -6,186 77 34.2 53.3 -21.4 3.2</td> <td>-336 -8,461 17,236 8,776 -6,334 2,325 25.3 39.2 -25.6</td> <td>345 10,498 -13,076 -2,578 400 443 (I 27.2 41.7</td> <td>-313 5,563 1,308 6,871 84 193 n percent</td> <td>-340 7,494 1,439 8,933 0 1,809</td> <td>-359 7,690 1,511 9,201 0</td> <td>-379 7,890 1,587 9,477 0</td> <td>-401 8,095 1,666 9,761 0</td> <td>-426 8,305 1,749 10,054 0</td> <td>-451 8,519 1,837 10,355 0</td> <td>8,8 1,9 10,7</td>	4 -625 7 7,943 7 11,666 4 19,609 3 -3,029 4 -572 3 40.2 6 60.2 0 -20.5 8 2.5	-319 8,274 9,776 18,051 -6,186 77 34.2 53.3 -21.4 3.2	-336 -8,461 17,236 8,776 -6,334 2,325 25.3 39.2 -25.6	345 10,498 -13,076 -2,578 400 443 (I 27.2 41.7	-313 5,563 1,308 6,871 84 193 n percent	-340 7,494 1,439 8,933 0 1,809	-359 7,690 1,511 9,201 0	-379 7,890 1,587 9,477 0	-401 8,095 1,666 9,761 0	-426 8,305 1,749 10,054 0	-451 8,519 1,837 10,355 0	8,8 1,9 10,7
Other investment, net 1,820 14,74 Liabilities 6,457 4,34 Assets 8,277 19,09 rrors and omissions, net -3,796 1,83 eserve assets 10,179 3,77 urrent account, net 40.9 39. Trade balance of goods and services, net 58.0 58. Goods balance, net -21.1 -21. Credit (exports) 24.0 24. Services balance, net 79.1 79. Credit (exports) 87.8 87. Debit (imports) 86.6 8. Primary Income, net -13.5 -14. Secondary Income, net -3.7 -3. rapital account, net 6.4 34. Direct investment, net -3.8 -5.1 Liabilities 4.8 8. Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities 0.6 1. Assets 5.7 7.	7 7,943 7 11,666 4 19,609 3 -3,029 4 -572 3 40.2 60.2 0 -20.5 3 2.5	8,274 9,776 18,051 -6,186 77 34.2 53.3 -21.4 3.2	-8,461 17,236 8,776 -6,334 2,325 25.3 39.2 -25.6	10,498 -13,076 -2,578 400 443 (I 27.2 41.7	5,563 1,308 6,871 84 193 n percent	7,494 1,439 8,933 0 1,809	7,690 1,511 9,201 0	7,890 1,587 9,477 0	8,095 1,666 9,761 0	8,305 1,749 10,054 0	8,519 1,837 10,355 0	8,8 1,9 10,7
Liabilities 6,457 4,34 Assets 8,277 19,09 rrors and omissions, net -3,796 1,83 eserve assets 10,179 3,77 uurent account, net 40.9 39, Trade balance of goods and services, net 58.0 58. Goods balance, net -21.1 -21.1 Credit (exports) 2.9 33. Debit (imports) 24.0 24. Services balance, net 79.1 79. Credit (exports) 87.8 87. Debit (imports) 8.6 8. Primary Income, net -13.5 -14. Secondary Income, net -3.7 -3. rapital account, net 6.4 34. Direct investment, net -3.8 -5. Liabilities 0.6 1. Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities 0.6 1. Assets 5.7 7. <	7 11,666 19,609 3 -3,029 1 -572 3 40.2 6 60.2 0 -20.5 3 2.9	9,776 18,051 -6,186 77 34.2 53.3 -21.4 3.2	17,236 8,776 -6,334 2,325 25.3 39.2 -25.6	-13,076 -2,578 400 443 (I 27.2 41.7	1,308 6,871 84 193 n percent	1,439 8,933 0 1,809	1,511 9,201 0	1,587 9,477 0	1,666 9,761 0	1,749 10,054 0	1,837 10,355 0	1,9 10,7
Assets 8,277 19,09 rrors and omissions, net -3,796 1,83 eserve assets 10,179 3,776 urrent account, net 40.9 39, Trade balance of goods and services, net 58.0 58. Goods balance, net -21.1 -21.1 Credit (exports) 2.9 3. Debit (imports) 24.0 24. Services balance, net 79.1 79. Credit (exports) 87.8 87.8 Debit (imports) 8.6 8. Primary Income, net -13.5 -14. Secondary Income, net -3.7 -3. apital account, net 6.4 34. Direct investment, net -3.8 -5. Liabilities 4.8 8. Assets 1.0 2. Portfolio investment, net 5.1 6.6 Liabilities 5.7 7. Financial derivatives, net 0.1 -0. Liabilities 5.7 7.	4 19,609 3 -3,029 1 -572 3 40.2 6 60.2 0 -20.5 3 2.9	18,051 -6,186 77 34.2 53.3 -21.4 3.2	8,776 -6,334 2,325 25.3 39.2 -25.6	-2,578 400 443 (I 27.2 41.7	6,871 84 193 n percent	8,933 0 1,809	9,201 0	9,477 0	9,761 0	10,054 0	10,355 0	10,7
rrors and omissions, net -3,796 1,83 eserve assets 10,179 3,77 urrent account, net 40.9 39, Trade balance of goods and services, net 58.0 58. Goods balance, net -21.1 -21.1 Credit (exports) 2.9 3. Debit (imports) 24.0 24. Services balance, net 79.1 79. Credit (exports) 87.8 87. Debit (imports) 86.6 8. Primary Income, net -13.5 -14. Secondary Income, net -3.7 -3. apital account, net 6.4 34. Direct investment, net -3.8 -5. Liabilities 4.8 8. Assets 1.0 2. Portfolio investment, net 5.1 6. Liabilities 0.6 1. Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities Assets 0.7 7. 7. </td <td>-3,029 -572 -572 -572 -0.2 -0.2 -20.5 -2.5</td> <td>-6,186 77 34.2 53.3 -21.4 3.2</td> <td>-6,334 2,325 25.3 39.2 -25.6</td> <td>400 443 (I 27.2 41.7</td> <td>84 193 n percent</td> <td>0 1,809</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td>	-3,029 -572 -572 -572 -0.2 -0.2 -20.5 -2.5	-6,186 77 34.2 53.3 -21.4 3.2	-6,334 2,325 25.3 39.2 -25.6	400 443 (I 27.2 41.7	84 193 n percent	0 1,809	0	0	0	0	0	
teserve assets 10,179 3,77 Current account, net 40.9 39. Trade balance of goods and services, net 58.0 58. Goods balance, net -21.1 -21. Credit (exports) 2.9 3. Debit (imports) 24.0 24. Services balance, net 79.1 79. Credit (exports) 87.8 87. Debit (imports) 86.6 87. Primary Income, net -13.5 -14. Secondary Income, net -3.7 -3. capital account, net 6.4 34. Direct investment, net -3.8 -5. Liabilities 4.8 8. Assets 10.0 2. Portfolio investment, net 5.1 6.6 Liabilities 0.6 1. Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities Massets 0.1 -0.	40.2 60.2 -20.5 3 2.5	77 34.2 53.3 -21.4 3.2	2,325 25.3 39.2 -25.6	443 (I 27.2 41.7	193 n percent	1,809						5,65
Current account, net40.939.Trade balance of goods and services, net58.058.Goods balance, net-21.1-21.Credit (exports)2.93.Debit (imports)24.024.Services balance, net79.179.Credit (exports)87.887.Debit (imports)86.68.Primary Income, net-13.5-14.Secondary Income, net-3.7-3.Capital account, net6.434.Direct investment, net-3.8-5.Liabilities4.88.Assets1.02.Portfolio investment, net5.16.Liabilities0.61.Assets5.77.Financial derivatives, net0.1-0.Liabilities0.1-0.Cother investment, net5.034.	40.2 60.2 60.2 60.2 8 2.9	34.2 53.3 -21.4 3.2	25.3 39.2 -25.6	(I 27.2 41.7	n percen		3,430		5,149	5,690	4,219	5,6
Trade balance of goods and services, net 58.0 58. Goods balance, net -21.1 -21.1 -21.1 Credit (exports) 2.9 3. Debit (imports) 24.0 24. Services balance, net 79.1 79. Credit (exports) 87.8 88. Porimary Income, net -13.5 -14. Secondary Income, net -3.7 -3. capital account, net 6.4 34. Direct investment, net -3.8 -5.1 Liabilities 4.8 8. Assets 1.0 2. Portfolio investment, net 5.1 6.6 Liabilities 0.6 1. Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities Assets 0.1 -0. Other investment, net 5.0 34.) 60.2) -20.5 3 2.9	53.3 -21.4 3.2	39.2 -25.6	27.2 41.7				5,502				
Trade balance of goods and services, net 58.0 58. Goods balance, net -21.1 -21.1 -21.1 Credit (exports) 2.9 3. Debit (imports) 24.0 24. Services balance, net 79.1 79. Credit (exports) 87.8 88. Porimary Income, net -13.5 -14. Secondary Income, net -3.7 -3. capital account, net 6.4 34. Direct investment, net -3.8 -5.1 Liabilities 4.8 8. Assets 1.0 2. Portfolio investment, net 5.1 6.6 Liabilities 0.6 1. Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities Assets 0.1 -0. Other investment, net 5.0 34.) 60.2) -20.5 3 2.9	53.3 -21.4 3.2	39.2 -25.6	41.7		t of GDP)						
Goods balance, net -21.1 -21. Credit (exports) 2.9 3. Debit (imports) 24.0 24. Services balance, net 79.1 79. Credit (exports) 87.8 87. Debit (imports) 8.6 8. Primary Income, net -13.5 -14. Secondary Income, net -3.7 -3. apital account, net 6.4 34. Direct investment, net -3.8 -5. Liabilities 4.8 8. Assets 1.0 2. Portfolio investment, net 5.1 6. Liabilities 0.6 1. Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities Assets 0.1 -0. Cother investment, net 5.0 34.) -20.5 3 2.9	-21.4 3.2	-25.6		33.0	35.0	37.4	38.7	39.5	40.2	40.9	41
Credit (exports) 2.9 3. Debit (imports) 24.0 24.0 24.0 Services balance, net 79.1 79.1 79.1 Credit (exports) 87.8 87. Debit (imports) 8.6 8.7 Debit (imports) 8.6 8.8 7 14.3 5 14.4 Secondary Income, net -13.5 -14.4 Secondary Income, net -3.7 -3.7 Capital account, net 3.6 0. 0.4 34.4 Direct investment, net -3.8 -5.5 Liabilities 4.8 8.8 Assets 1.0 2.2 Portfolio investment, net 5.1 6.6 1.1 Assets 5.7 7.7 Financial derivatives, net 0.1 -0.0 -0.4 -0.4 -0.4 Liabilities 0.6 1.1 -0.2 -0.7 Financial derivatives, net 0.1 -0.2 Liabilities 0.1 -0.2 -0.2 -0.2 -0.2 -0.2 Liabiliti	3 2.9	3.2			47.0	50.5	52.5	53.4	53.7	54.0	54.3	54
Debit (imports) 24.0 24. Services balance, net 79.1 79.0 Credit (exports) 87.8 87. Debit (imports) 8.6 8. Primary Income, net -13.5 -14. Secondary Income, net -3.7 -3. capital account, net 6.6 0. inancial account, net -6.4 34. Direct investment, net -3.8 -5. Liabilities 4.8 8. Assets 1.0 2. Portfolio investment, net 5.1 6.6 Liabilities 0.6 1. Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities Assets 0.7 7. Financial derivatives, net 0.1 -0. Liabilities Assets 0.1 -0. Other investment, net 5.0 34.			4.3	-22.3	-20.8	-20.1	-19.2	-18.4	-18.0	-17.5	-17.0	-16
Services balance, net 79.1 79.2 Credit (exports) 87.8 87.3 Debit (imports) 8.6 8.8 Primary Income, net -13.5 -14. Secondary Income, net -3.7 -3. capital account, net 6.4 34. Direct investment, net -3.8 -5. Liabilities 4.8 8. Assets 1.0 2. Portfolio investment, net 5.1 6.6 Liabilities 4.8 8. Assets 1.0 2. Portfolio investment, net 5.1 6.6 Liabilities 0.6 1. Assets 5.7 7.7 Financial derivatives, net 0.1 -0.0 Liabilities Assets 0.1 -0.0 Other investment, net 5.0 34.	20.4	24.0	29.9	3.4 25.8	3.4 24.2	3.7 23.8	3.7 22.9	3.7 22.1	3.7 21.6	3.6 21.1	3.6 20.6	3 20
Credit (exports) 87.8 87. Debit (imports) 8.6 8.8 Primary Income, net -13.5 -14. Secondary Income, net -3.7 -3. capital account, net 3.6 0.0 inancial account, net 6.4 34. Direct investment, net -3.8 -5. Liabilities 4.8 8. Assets 1.0 2. Portfolio investment, net 5.1 6.6 Liabilities 0.6 1. Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities Assets 0.1 -0. Chailities Assets 0.1 -0. Other investment, net 5.0 34.		74.7	64.8	64.0	67.8	70.6	71.7	71.8	71.7	71.5	71.3	71
Primary Income, net -13.5 -14. Secondary Income, net -3.7 -3.7 capital account, net 3.6 0. inancial account, net 6.4 34. Direct investment, net -3.8 -5.5 Liabilities 4.8 8. Assets 1.0 2. Portfolio investment, net 5.1 6.6 Liabilities 0.6 1. Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities Assets 0.1 -0. Utabilities Other investment, net 5.0 34.			73.6	72.8	76.8	80.3	81.3	80.5	79.6	78.5	77.3	76
Secondary Income, net-3.7-3.Capital account, net3.60.inancial account, net6.434.Direct investment, net-3.8-5.Liabilities4.88.Assets1.02.Portfolio investment, net5.16.Liabilities0.61.Assets5.77.Financial derivatives, net0.1-0.LiabilitiesAssets0.1-0.Ubilities0.1-0.UbilitiesAssets0.1-0.Other investment, net5.034.) 7.1	7.0	8.7	8.8	9.1	9.6	9.5	8.7	7.9	7.0	6.0	5
apital account, net3.60.inancial account, net6.434.Direct investment, net-3.8-5.Liabilities4.88.Assets1.02.Portfolio investment, net5.16.Liabilities0.61.Assets5.77.Financial derivatives, net0.1-0.LiabilitiesAssets0.1-0.UabilitiesAssets0.1-0.UabilitiesAssets0.1-0.UabilitiesAssets0.1-0.Other investment, net5.034.			-8.1	-8.2	-8.1	-9.3	-9.0	-8.6	-8.2	-7.9	-7.5	-7
inancial account, net 6.4 34. Direct investment, net -3.8 -5.5 Liabilities 4.8 8. Assets 1.0 2. Portfolio investment, net 5.1 6.6 Liabilities 0.6 1. Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities Assets 0.1 -0. Utabilities Other investment, net 5.0 34.) -4.2	-4.8	-5.8	-6.2	-5.9	-6.1	-6.2	-6.1	-6.0	-5.9	-5.9	-5
Direct investment, net -3.8 -5. Liabilities 4.8 8. Assets 1.0 2. Portfolio investment, net 5.1 6. Liabilities 0.6 1. Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities Assets 0.1 -0. Cother investment, net 5.0 34.			0.0	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0
Liabilities 4.8 8. Assets 1.0 2. Portfolio investment, net 5.1 6. Liabilities 0.6 1. Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities Assets 0.1 -0. Cother investment, net 5.0 34.			6.2	27.0	32.6	31.6	31.4	32.3	31.7	32.2	35.4	34
Assets 1.0 2. Portfolio investment, net 5.1 6. Liabilities 0.6 1. Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities -0. Assets 0.1 -0. Charles 0.1 -0. Uabilities -0. Other investment, net 5.0 34.			-1.3	-3.7	2.3 0.9	3.5	2.2	3.7	3.8	5.1	9.1	9 -0
Portfolio investment, net 5.1 6. Liabilities 0.6 1. Assets 5.7 7. Financial derivatives, net 0.1 -0. Liabilities -0. Assets 0.1 -0. Other investment, net 5.0 34.			0.8 -0.5	3.7 0.0	0.9 3.2	-0.4 3.1	-0.5 1.7	-0.5 3.2	-0.5 3.3	-0.4 4.6	-0.4 8.6	0- 8
Liabilities0.61.Assets5.77.Financial derivatives, net0.1-0.LiabilitiesAssets0.1-0.Other investment, net5.034.			26.9	6.7	20.0	15.0	16.5	16.5	16.4	16.2	15.9	15
Financial derivatives, net 0.1 -0. Liabilities -0. Assets 0.1 -0. Other investment, net 5.0 34.			-2.5	3.8	7.8	3.6	2.2	2.1	2.1	2.0	2.0	1
Liabilities Assets 0.1 -0. Other investment, net 5.0 34.			24.4	10.5	27.8	18.7	18.8	18.7	18.5	18.2	17.8	17
Assets 0.1 -0. Other investment, net 5.0 34.			-0.7	0.8	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0
Other investment, net 5.0 34.			 -0.7	 0.8	 -0.6	-0.6	-0.6	-0.6	 -0.6	-0.6	-0.6	-0
			-18.7	23.2	11.0	13.7	13.2	-0.6	-0.8	-0.6	-0.8	10
Liabilities 17.6 10.			38.0	-28.9	2.6	2.6	2.6	2.6	2.5	2.4	2.4	2
Assets 22.5 44.	4 38.0	32.6	19.3	-5.7	13.6	16.4	15.8	15.2	14.6	14.0	13.4	13
rrors and omissions, net -10.3 4.			-14.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0
eserve assets 27.7 8.	3 -1.1	0.1	5.1	1.0	0.4	3.3	5.9	6.3	7.7	7.9	5.5	6
lemorandum items:												
Total External Debt (in millions of US dollars) 46,915 51,31				78,029	04.000			115 602	125,332	136,195	147,991	160,9
Banks 34,925 39,03	62,191	73,916	90,221	10,029	84,286	99,262	106,810	115,005				
Non-bank entities 11,990 12,27			90,221 76,508	78,029 63,721	84,286 70,620	99,262 85,596	106,810 					
Foreign exchange reserves (in million of US dollars) 34,026 16,60	49,536	61,891					106,810 					
Nominal GDP (in millions of US dollars) 36,708 43,03	49,536 12,655	61,891 12,025	76,508	63,721	70,620	85,596						

	2011	2012	2013	2014	2015	2016	2017	201
Monetary and financial indicators								
Broad money (M2, annual percentage change)	22.6	25.8	17.7	10.4	-3.0	12.6	11.1	10.
Loans (annual percentage change)	31.2	26.2	31.4	29.0	10.3	3.1	14.2	12.
Resident	28.5	18.4	29.6	31.8	14.8	8.6	8.4	10.
Nonresident	34.3	34.6	33.2	26.4	6.0	-2.7	21.0	15
Private domestic credit excl financial investment (MOP bn)	167.6	198.5	257.2	339.1	389.1	422.7	458.4	505
(Percent change)	28.5	18.4	29.6	31.8	14.8	8.6	8.4	10
Personal loans for house purchases (MOP bn)	59.4	76.7	96.6	115.8	127.5	138.6	148.2	166
(Percent change)	25.3	29.2	25.9	19.9	10.1	8.7	6.9	12
Balance of payments indicators 1/								
Exports (annual percentage change, U.S. dollars)	34.8	17.8	19.2	0.6	-24.8	-2.3	17.5	12
Imports (annual percentage change, U.S. dollars)	30.6	18.6	10.2	11.7	0.2	-10.8	7.6	8
Current account balance (percent GDP)	40.9	39.3	40.2	34.2	25.3	27.2	33.0	35
Capital and financial account balance (percent GDP)	-2.8	-34.8	-35.5	-22.9	-6.2	-27.1	-32.7	-31
Of which: gross foreign direct investment inflows	4.8	8.3	7.2	4.3	0.8	3.7	0.9	-0.
Reserve indicators 1/								
Foreign exchange reserves (billions of US dollars)	34.0	16.6	16.1	16.4	18.9	19.5	20.2	20
Foreign exchange reserves to imports of GNFS (months)	34.0	14.0	12.4	11.3	12.9	14.9	14.4	13
Foreign exchange reserves to broad money (M2, percent)	352.4	145.8	121.2	105.5	106.7	95.5	88.8	82
Foreign exchange reserves (percent of GDP)	92.7	38.6	31.3	29.7	41.6	43.0	39.9	37
Banking sector								
Net foreign assets of banking sector (percent GDP) 2/	143.0	206.0	258.0	255.0	232.3	226.9	229.7	255
Banking system profits (MOP bn)	5.1	6.3	8.5	11.0	12.8	14.3	14.9	16
(annual percent change)	30.1	24.4	34.7	29.9	16.4	11.5	4.3	8
Nonperforming loans (MOP bn)								
To residents	0.8	0.6	0.4	0.7	0.9	1.5	1.5	1
To nonresidents	0.4	0.2	0.1	0.2	0.1	0.1	0.6	0
inancial Sector								
Policy rate: discount window base rate (eop)	0.5	0.5	0.5	0.5	0.8	1.0	1.8	2
Saving deposit rate (average)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Prime lending rate (average)	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5
MAIBOR 3-month (eop)	0.4	0.4	0.4	0.4	0.4	1.0	1.3	2
Monetary bill yield (weighted average)	0.3	0.4	0.5	0.4	0.4	0.6	0.8	1
Residential property market								
Average transaction price: residential (MOP/sq. m.)	41,433	57,362	81,811	99,795	86,826	86,342	100,822	108,42
(Percent change)	33.6	38.4	42.6	22.0	-13.0	-0.6	16.8	7
Fourism								
Visitor arrivals (person mn)	28.0	28.1	29.3	31.5	30.7	31.0	32.6	35
(Percent change)	12.2	0.3	4.4	7.5	-2.6	0.8	5.4	9
Gaming revenue (MOP bn)	269.1	305.2	361.9	352.7	231.8	224.1	266.6	303
(Percent change)	41.9	13.4	18.6	-2.5	-34.3	-3.3	19.0	14
Aemorandum items:								
Nominal GDP (USD mn)	36,708	43,032	51,552	55,348	45,362	45,322	50,559	54,5

1/ BPM6 methodology. Data for 2018 are IMF staff estimates.

2/ Excluding AMCM.

	2011	2012	2013	2014	2015	2016	2017	2018
			(in perc	ent)			
Capital adequacy								
Regulatory capital to risk-weighted assets * 1/	14.1	14.6	14.8	14.2	15.1	16.1	15.7	14.8
Regulatory Tier I capital to risk weighted assets * 1/	11.7	11.9	11.2	9.9	11.6	11.7	11.4	10.
Capital to assets **	4.0	4.0	3.7	3.6	4.3	4.6	4.8	4.
Asset composition and quality								
Sectoral distribution of domestic credit to private corporations (% of gross loans)	52.0	48.8	48.1	49.2	51.1	53.9	51.2	51.
Real estate	18.4	18.9	18.1	16.8	16.8	17.7	16.5	16.
Construction	5.9	4.7	5.0	5.3	6.1	6.1	6.1	4.
Manufacturing	2.4	1.6	1.4	1.3	1.3	1.5	1.5	1.
Commercial	4.3	4.9	4.2	4.6	3.7	3.7	3.5	3.
Public utilities	0.4	0.4	0.2	0.2	0.2	0.1	0.2	0.
Restaurant, hotel and related services	5.0	3.7	2.6	2.8	4.1	4.3	4.0	5.
Banking and financial businesses	0.2	0.1	0.5	0.7	0.3	0.2	0.3	0.
Other industries	15.4	14.5	16.2	17.5	18.8	20.3	19.2	20.
Total claims on government to gross loans	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
Asset quality								
Nonperforming loans (NPL) to gross loans *	0.3	0.2	0.1	0.1	0.1	0.2	0.2	0.
NPL net of provisions to capital * 1/	0.7	0.3	-0.3	0.6	0.2	0.8	1.2	1.
Earnings and profitability								
Return on assets *	0.9	0.9	1.0	1.0	1.0	1.1	1.0	1.
Return on equity *	20.8	22.0	25.1	28.1	25.8	23.9	21.9	21.
nterest margin to gross income *	63.8	70.4	78.2	77.7	68.4	73.7	72.5	80.
Trading income to total income **	2.6	4.1	0.9	1.4	8.4	3.4	2.4	0.
Noninterest expenses to gross income *	40.4	37.5	37.4	43.1	42.6	37.1	39.0	37.
Personnel expenses to noninterest expenses **	50.3	53.7	48.8	51.2	49.4	52.7	47.6	51.
Spread between reference loan and deposit rates, period average ** (basis points)	142.3	153.9	147.4	135.0	167.1	185.1	170.6	171.
Liquidity								
Liquid assets to total assets *	44.0	37.1	37.2	35.1	34.3	35.5	30.3	31.
Liquid assets to short-term liabilities *	66.2	61.7	63.6	59.0	59.6	59.9	52.2	61.
Foreign currency-denominated loans to total loans **	84.8	83.5	82.8	83.7	82.4	79.1	81.3	80.
Foreign currency-denominated liabilities to total liabilities **	81.8	81.5	83.5	84.2	83.5			85.
Sensitivity to market risk								
Net open position in equities to capital	0.6	0.2	0.2	0.9	3.8	4.9	0.1	0.
Net open position in foreign exchange to capital *	182.3		139.8					
Real estate markets								
Residential real estate loans to total gross loans **	23.2	23.5	217	21.6	22.0	22.0	20.6	20.
Commercial real estate loans to total gross loans **	19.4	16.7					19.4	
Sources: AMCM and IMF FSI database.	15.4	10.7	15.7	17.5	20.7	20.5	10.4	10.
Core indicators ** Encouraged indicators								

Annex I. Risk Assessment Matrix

Source of Risk	Likelihood	Impact	Recommended Policy Response
Rising protectionism and retreat from multilateralism . Escalating trade tensions could lead to lower global growth both directly, through a negative impact on global trade, and by indirectly through confidence and financial markets.	High	High. Could sharply reduce tourism inflows and foreign investment prospects, with negative effects on the economy. Reduction in exports, fiscal revenue and growth.	Counter the adverse impact on growth through a temporary fiscal stimulus centered on needed infrastructure and vulnerable households. Continue to actively monitor financial stability.
Sharp tightening of global financial conditions could cause higher debt service and refinancing risks, stress on leveraged households and firms, and capital account pressures. Tighter financial conditions could be triggered by a sharper than expected increase in U.S. interest rates (prompted by higher than expected inflation) or the materialization of other risks.	Low/Medium	High. Given the indirect peg to the U.S. dollar, this would result in an increase in the cost of credit and, likely, a real effective appreciation. The financial sector is well-capitalized helping limit the risks.	Focus on ensuring the flexibility of prices in the tourism sector to help maintain competitiveness during episodes of nominal appreciation. Provide targeted fiscal support as needed. Continue to adopt policies to ease housing supply constraints.
Weaker than expected global growth, especially in Mainland China. Over the medium term, insufficient progress in deleveraging and rebalancing could reduce growth, with additional stimulus postponing the slowdown. Should a sharp adjustment occur, this would entail weak domestic demand, and reduce global growth	Medium	High. Could sharply reduce tourism inflows from Mainland and foreign investment prospects, with negative effects on the economy. Reduction in exports, fiscal revenue and growth.	Counter the adverse impact on growth through a temporary fiscal stimulus centered on needed infrastructure and vulnerable households. Continue to actively monitor financial stability. Work closely with Mainland counterparts to facilitate an orderly resolution of distressed assets and address any weaknesses in bank balance sheets.
Further policy changes in Mainland China (travel policy, capital outflow restrictions, gambling regulation) that directly affect tourism.	Low	High. Could sharply reduce tourism spending from Mainland which accounts for over two-thirds of total.	Continue progress on issues related to financial integrity of gaming sector and accelerate efforts to diversify the tourism offerings and the overall economy.
Increased competition in the gaming industry from emerging gaming centers in Asia.	High	Low. Gaming revenue and tourist arrivals would drop and impact overall growth.	Maintain status as a world-class gaming destinatio while continuing recent progress in establishing non-gaming options of similar caliber.
Faster diversification of economic model.	Medium	High. Faster diversification would support Macao SAR efforts to build the tourism and leisure center and maintain sustainable growth in the medium term.	Improve public investment on infrastructure, education, housing, health and other social spending.
Additional land reclamation to reduce land supply constraints, increasing scope for additional public housing and other non-gaming development.	Low	Medium. Additional land would support the diversification of tourism offerings and increase housing affordability, leading to investment growth and tourism revenue.	Ensure a comprehensive plan on land distribution for tourism, public and private housing supply to make full use of additional land.

Note: Downside risks are marked with a red arrow and upside risks with a green arrow.

Annex II. Medium and Long-Term Fiscal Framework and Sovereign Wealth Fund: Some Case Studies^{1,2}

1. Macao SAR has kept government expenditure within the limits of revenues every year.

The prudent fiscal policy follows Macao SAR's Basic Law and has contributed to zero public debt and large foreign and fiscal reserves (with 40 and 121 percent of GDP respectively in 2017). In addition, using the growing fiscal reserves, Macao SAR plans to establish a sovereign wealth fund in 2019 (Macao SAR Investment and Development Fund, MIDF).

2. Alternatively, the adoption of a MLTFF in Macao SAR will help ensure efficient use of fiscal resources, long-term fiscal sustainability and intergenerational equity in an aging society. Some countries have adopted such formal arrangements:

- In **Australia**, the Charter of Budget Honesty Act (1998) requires an Intergenerational Report to be produced every five years. The reports assess the long-term sustainability of current government policies and how changes to Australia's population size and age profile may impact economic growth, workforce and public finances over the following 40 years.
- In **New Zealand**, the Fiscal Responsibility Act (1994) requires that the Fiscal Strategy Report (FSR) be presented to Parliament yearly, describing the government's long-term objectives and its short-term fiscal plans. The FSR is also required to include projections for key fiscal aggregates for a period of 10 or more years and an explanation of how these projections accord with the principles of responsible fiscal management. The FSR must also assess the consistency of the long-term objectives with those announced in the government's budget policy statement to the House of Representatives.
- In France, the Organic Budget Law (LOLF, 2001) requires the government to submit the draft annual budget law to the Parliament with a report on the national economic situation, including (i) macro-economic projections, (ii) medium-term developments, covering at least four years following the year of the draft budget, (iii) medium-term projections of revenues and expenditures, and (iv) the main orientations of economic and budgetary policies.
- In the **United Kingdom**, the Code for Fiscal Stability (CFS, 1998) requires the government to state and explain its fiscal policy objectives over the life of the Parliament. The CFS specifies that the annual economic and fiscal strategy report by H.M. Treasury at the time of budget submission include (i) the government's long-term economic and fiscal strategy, including any long-term objectives for key fiscal aggregates, (ii) an assessment of recent short-term outcomes against this long-term strategy, (iii) illustrative projections of the outlook for the key fiscal aggregates for a

¹ Prepared by Sakai Ando (STA).

² The included case studies comprise some advanced economies and resource-rich economies that have adopted formal arrangements for MLTFF and/or SWF within MLTFF. Macao SAR's high share of gaming value added in GDP is comparable to the high resource dependence in resource-rich countries, where MLTFF can help link government spending decisions to longer-term policy objectives (while insulating spending plans from short-term externally driven fluctuations).

period not less than the next 10 year, and (iv) analysis of the impact of the economic cycle on key fiscal aggregations, including estimates of the cyclically adjusted position.

- In **Azerbaijan**, the Organic Budget Law requires the preparation of a budget for the upcoming year as well as for the 3 following years. The government prepares medium-term economic forecasts that include the government priorities and the public investment plan, which are updated annually.
- In **Mexico**, the Fiscal Responsibility Law (FRL, 2006) mandates the inclusion of 5-year quantitative projections and costing for new fiscal measures in the budget documents. It also envisages a balance-or-surplus rule and the use of a reference oil price to smooth expenditures.
- In Russia, the parliament approves a full-fledged rolling 3-year federal budget since 2006. Russia's Budget Code mandates a target of the non-oil deficit of 4.7 percent of GDP. To capture the full effect of spending decisions and to create stability in the budget process, Russia has introduced rolling 3-year budget plans, where existing policy is explicitly linked to key macroeconomic parameters, and a specific fiscal space available for new policies is determined before the start of each round of budget preparation.

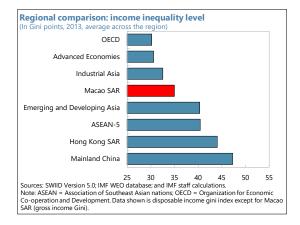
3. The planned SWF (MIDF) should be integrated into the MLTFF. The principles of the MIDF are "preserving and enhancing the capital value" and "benefiting Macao's economic stability and development." Given the potential economic impact of MIDF and the long-term nature of the principles, integrating MIDF into the MLTFF will help avoid the risks of fragmentation in policymaking. Several countries have integrated SWF into MLTFF as follows:

- In **Timor-Leste**, the Petroleum Fund Law (2005) establishes the country's petroleum fund as the repository for all petroleum revenues and specifies how the fund is integrated with the state budget. The law includes a formula—based on the permanent income hypothesis—that derives the estimated sustainable income from petroleum and guides transfers from the petroleum fund to the budget.
- In **Alaska (United States)**, the Alaska Permanent Fund was established in 1976 by the Alaska State constitution. The fund receives 50 percent of mineral revenues and pays annual dividends to the population based on a fraction of the fund's realized earnings, as a safeguard against pressures to spend the oil revenue.
- In Chile, the Fiscal Responsibility Law (FRL, 2006) institutionalized key aspects of the structural balance rule framework and complemented the fiscal framework with the introduction of two funds: the Economic and Social Stabilization Fund (FEES) and the Pension Reserve Fund (FRP). Under the structural balance rule, government expenditures are ex-ante budgeted in line with estimated structural revenues. The FEES receives as inflows the actual central government surplus, and its funds can be drawn on according to needs defined in the law.

- In **Norway**, the fiscal guidelines were introduced in 2001 that hold the structural non-oil central government deficit over time to 4 percent of the assets in the Government Pension Fund-Global (GPF-G), formerly the Petroleum Fund. The structural non-oil deficit targeted by the fiscal guidelines excludes the budget's oil-related revenues and expenditures. Several factors have contributed to the success of the fiscal guidelines of Norway: simplicity to be understood well by the public, flexibility in relation to the fiscal policy, high level of transparency, broad political consensus and commitment, and strong fiscal institutions/governance/accountability.
- In Mongolia, the Fiscal Stability Law (FSL) was enacted in 2010 to insulate the fiscal spending
 path from fluctuations in mineral revenue through numerical fiscal rules: (i) 2 percent of GDP
 ceiling of the structural deficit, (ii) expenditure growth ceiling within non-mineral GDP growth,
 and (iii) public debt ceiling of 40 percent of GDP. The Fiscal Stabilization Fund (FSF) was created
 using actual mineral revenue exceeding structural mineral revenue. To promote a minimum
 savings effort by the government, the FSL requires the fund to be greater than 5 percent of GDP
 from 2018 onward, with excesses invested with a longer-term perspective.

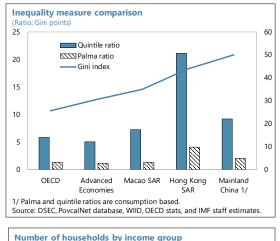
Annex III. Inequality: Trends and Drivers¹

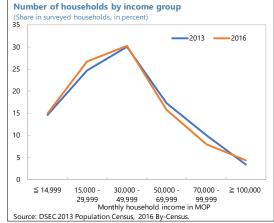
1. Macao SAR's income per capita is one of the highest in the world, but inequality is higher than the average among OECD and advanced economies. As of 2017, Macao SAR's per capita GDP (in PPP terms) is the second highest in the world after Qatar, but inequality is higher than the OECD and advanced economies' averages. In fact, the Gini index, Palma ratio, and Quintile ratio indicate that the income distribution in Macao SAR, while more equitable than in Asian emerging economies and Hong Kong SAR, is less equitable than the average in OECD and advanced economies.²



2. Latest data show a relatively stable income distribution between 2013 and 2016 in

Macao SAR. While the economy was booming in 2013, it started contracting in 2014 and troughed in 2016. Along the contraction in economic activity, somewhat surprisingly, 2016 data does not show a significant increase in the share of households in the low-income brackets.³





¹ Prepared by Jacqueline Jiayi Zhang (APD).

² Palma (Quintile) ratio is gross income received by the richest 10 (20) percent of the population over gross income of the bottom 40 (20) percent. Both measures are more sensitive to the tails of the income distribution than Gini index (Cobham and Sumner, 2013). Palma and Quintile ratios for Macao SAR are estimated on a household basis with household gross income from latest available Household Budget Survey (2013), including employment income, employee income, self-employment income, employer income, property income, monetary transfers, government subsidies, pension, contributions/subsidies from charities, tuition/stationery subsidies, remittances, scholarships, non-monetary transfers etc.

³ Income in 2013 is measured by monthly household income including all transfers, per the 2013 Household Budget Survey. Income in 2016 is measured by monthly household employment income per the 2016 By-Census. Both statistics include nonresidents living in Macao SAR.

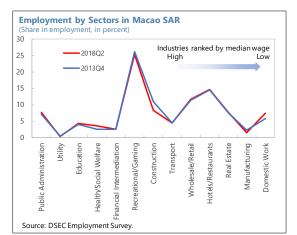
Regarding poverty, official data on the number of resident households receiving financial assistance show a decrease between 2013 and 2016.⁴

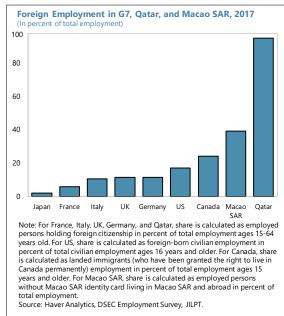
3. The economic structure of Macao SAR is heavily dependent on low-wage services employment which contributes to inequality. Even though average income per capita is very high, Macao SAR's economy relies significantly on lowwage services jobs concentrated in hotels, restaurants, retail, real estate, and domestic work sectors. The wage differential between those services jobs and other higher-wage employment helps explain inequality in the economy.⁵

4. Migration provides an inflow of low-wage workers to Macao SAR, contributing to inequality and poverty in the economy. For example, Borjas

(1997) finds that while immigration and trade with less developed countries explains less than 10 percent of overall wage inequality in the U.S., immigration from less developed countries can explain up to 50 percent of the declining relative wage of low-skilled labor. Nonresident workers living in Macao SAR (NRLMs) account for over 20 percent of total employment in 2017. The fraction of foreign employment increases to almost 40 percent of total employment when adding nonresident workers commuting to Macao SAR (NRCMs), which is

relatively high when compared with other advanced economies. NRLMs and NRCMs are not eligible for government assistance and they are subject to work restrictions that limit their occupations and wages, likely contributing to a higher poverty incidence in this group. For example,





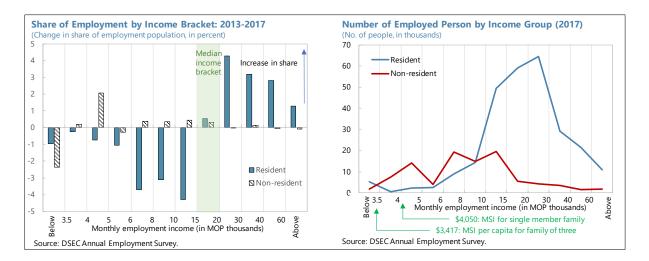
Low-income Employment by Employment Type						
No. of person earning less than \$4,000/month						
(in thousands)	2013	2016	2018Q2			
Total	26.6	15.8	13.1			
Part-time	7.9	5.0	5.5			
o/w resident	7.4	4.8	5.4			
o/w unwilling to prolong working hour	7.1	4.6	5.1			
o/w non-resident	0.5	0.2	0.1			
Full-time	18.7	10.7	7.7			
o/w resident	2.7	1.2	1.1			
o/w non-resident	16.0	9.5	6.6			
Source: DSEC Employment Survey.						

⁴ In the absence of an official poverty line, the official Minimum Subsistence Index (MSI) is used as a proxy as it was established to determine residents' eligibility for public financial assistance. The *household* poverty line is estimated with the MSI for a family of three (which is the average household size in the 2013 Household Budget Survey), at 10,250 MOP per month.

⁵ The Employment Survey (2018 Q2) shows that 42 percent of employment is concentrated in hotel/restaurant, wholesale/retail, real estate, and domestic work.

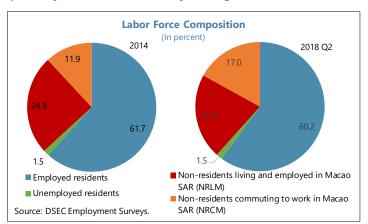
in 2018 Q2, about half of low-income workers are NRLMs (NRCMs are excluded from the stats). Notably, while almost all NRLM low-income workers work full time, 94 percent of low-income residents work part time voluntarily, suggesting that residents have other resources/savings and are therefore not actually in poverty.

5. There has been an increase in foreign workers, mainly flowing into lower-income employment. NRLMs increased from 91,000 in 2013 to 100,000 in 2017. In addition, labor market statistics show signs of polarization between residents and NRLMs' employment income. From 2013 to 2017, the share of residents in low-income brackets decreased, while the share of residents in higher-income brackets increased. Meanwhile for NRLMs, there was an overall increase in the lower-income brackets.



6. If commuters were to be counted, poverty in Macao SAR may be higher. Available

income statistics do not capture NRCMs. NRCMs have increased significantly between 2014 and 2018 (from 53,000 in 2014 to 80,000 in mid-2018).⁶ Most of NRCMs are employed in hotels, restaurants and the construction industry. As NRCMs concentrate in low-wage sectors, overall poverty for the working population in Macao SAR (including NRCMs) may be higher than estimated.



⁶ Data correspond to Employment Survey (2018 Q3 issue). There are also about 9,600 Macao SAR residents who work in Macao SAR but reside elsewhere. This group is excluded from the Employment Survey sample.

Annex IV. External Sector Debt Sustainability Analysis

Macao SAR's external debt is sustainable. Even though external debt is high at about 180 percent of GDP in 2018, risks are mitigated by Macao SAR's positive net asset position and the fact that much of the liabilities are obligations of banks to related parties. While external debt (as a percentage of GDP) has recently decreased due to the economic recovery, foreign borrowing will continue to rise as Macao SAR expands its role as an international financial center.

1. Background—As of end-2018, Macao SAR had an estimated US\$99 billion in external debt (182 percent of GDP). There is no public external debt. The private external debt includes US\$86 billion in bank liabilities and US\$14 billion in nonbank liabilities.

External Debt						
(end of 2018)						
	Billion USD	% of Total	% of GDP			
Total	99.3	100.0	182.1			
Bank	85.5	86.1	156.8			
Nonbank	13.8	13.9	25.2			
Source: AMCM, IMF staff estimates						

External Liabilities of Banking Sector

- <u>Bank</u>—The largest category of external liabilities is nonresident interbank liabilities (60 percent of banking sector external liabilities). Within nonresident interbank liabilities (excluding NCDs), 82 percent are short term (i.e. less than one-year maturity). About 70 percent of "other interbank liabilities" are to related parties. In addition, nonresident deposits amount to 35 percent of banking sector external liabilities – with most of it short term. In terms of overall currency composition, 54 percent of gross external liabilities are in U.S. dollar, and nearly 30 percent are in Hong Kong dollar (pegged to the U.S. dollar) to which the pataca is pegged.
- <u>Nonbank</u>—External debt by nonbank firms in Macao SAR is about 15 percent of the external debt by banks. Dealogic data suggest that the gaming sector is the main issuer of bonds and receiver of loans. As in the case with banks, a significant portion reflects related party obligations.

Liability	Billion USD	% of GDP
Total	85.5	156.8
Nonresident Interbank	50.9	93.4
Other Interbank Liabilities	38.0	69.7
Up to 7 Days	4.3	7.8
8 Days to 1 Month	6.3	11.5
1 to 3 Months	8.5	15.6
3 to 6 Months	8.1	14.8
6 to 12 Months	4.3	7.9
1 Year and Above	6.6	12.1
NCDs	12.9	23.7
Nonresident Deposit	29.8	54.6
Time Deposits	24.1	44.2
Up to 1 Month	8.4	15.4
1 to 3 Months	6.0	11.0
3 to 6 Months	5.8	10.6
6 to 12 Months	3.8	7.0
1 Year and Above	0.1	0.1
Demand Deposits	0.9	1.6
Saving Deposits	4.9	8.9
Other Deposits	0.00	0.0
NCDs Held by Nonresidnets	1.4	2.6
Other	3.4	6.2
Source: AMCM		

2. Projection—The underlying dynamics of Macao SAR's external debt are healthy. First, structurally high savings rates and limited domestic investment opportunities result in consistent double-digit current account surpluses and large foreign asset accumulation (banks have net foreign assets of about 100 percent of GDP). Second, potential growth remains positive at around 4-5 percent. And third, the average de facto nominal interest rate according to the balance of payments is low at roughly 2 percent, reflecting the large deposit liabilities. These factors are projected to increase Macao SAR's net external position. Gross external debt is nonetheless expected to grow mostly because of the banking sector as Macao SAR expands its role as an international financial center.

3. Risks—In general, the headline debt level likely overstates risks due to the significant foreign external assets that increase the ability of banks to fund withdrawals without relying on AMCM's foreign exchange reserves. In addition, significant related-party foreign liabilities reduce the

probability of a run, including on the large fraction of short-term liabilities. Also, the currency risk in bank's funding is moderate because of its currency composition mostly pegged (directly or indirectly) to the pataca. That said, it is important to continue to monitor the maturity of nonresidents nonbank deposits in the banking system and the liquidity and quality of the assets that back them.

External Position of Banking Sector							
(end of 2018)							
Billion USD	Asset	% of Total	Liability	% of Total			
Total	139.4	100.0	85.5	100.0			
USD	79.7	57.2	46.5	54.3			
HKD	39.0	28.0	25.3	29.5			
RMB	11.8	8.5	6.6	7.7			
MOP	1.5	1.1	1.4	1.7			
Other	7.4	5.3	5.8	6.8			
Source: AMC	M						

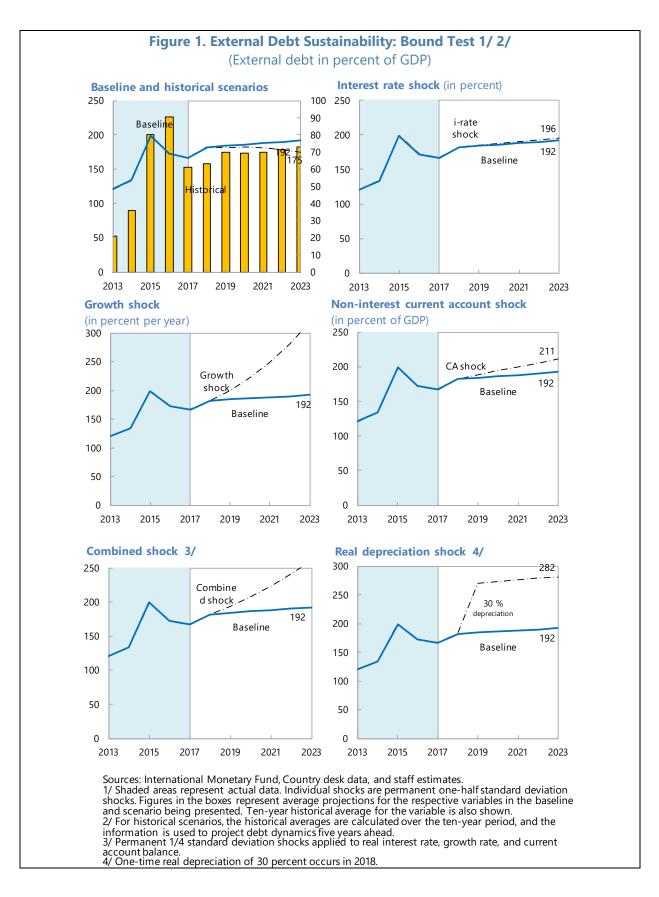


Table 1. External Debt Sustainability Framework, 2013-2023 (In percent of GDP; unless otherwise indicated)

			Actual									Projectio	ns	
	2013	2014	2015	2016	2017			2018	2019	2020	2021	2022	2023	Debt-stabilizing
1 Baseline: External debt	120.6	133.5	198.9	172.2	166.7			182.0	184.0	186.0	188.0	190.0	192.0	non-interest current account 6/ -2.3
	120.0	100.0	150.5		100.1									-10
2 Change in external debt	1.4	12.9	65.3	-26.7	-5.5			15.3	2.0	2.0	2.0	2.0	2.0	
3 Identified external debt-creating flows (4+8+9)	-58.2	-36.2	11.9	-22.4	-51.0			-38.7	-41.2	-42.3	-42.8	-42.4	-41.7	
4 Current account deficit, excluding interest payments	-41.6	-35.8	-27.5	-30.2	-36.4			-40.9	-45.1	-47.3	-47.1	-46.2	-45.5	
5 Deficit in balance of goods and services	-60.2	-53.3	-39.2	-41.7	-47.0			-50.5	-52.5	-53.4	-53.7	-54.0	-54.3	
6 Exports	90.6	84.9	77.9	76.2	80.3			83.9	85.0	84.1	83.3	82.1	80.9	
7 Imports	30.4	31.6	38.7	34.5	33.3			33.4	32.4	30.8	29.5	28.1	26.7	
8 Net non-debt creating capital inflows (negative)	1.7	6.3	7.8	4.4	0.0			4.1	4.1	4.1	4.1	4.1	4.1	
9 Automatic debt dynamics 1/	-18.4	-6.6	31.6	3.4	-14.6			-1.9	-0.2	0.9	0.2	-0.3	-0.3	
10 Contribution from nominal interest rate	1.3	1.7	2.2	3.2	3.2			5.4	7.2	8.0	7.4	6.9	7.0	
11 Contribution from real GDP growth	-11.1	1.3	35.2	1.7	-15.0			-7.3	-7.4	-7.1	-7.2	-7.2	-7.3	
12 Contribution from price and exchange rate changes 2/	-8.6	-9.6	-5.8	-1.5	-2.9			-4.9	-3.6	-5.0	-5.4	-6.0	-6.0	
13 Residual, incl. change in gross foreign assets (2-3) 3/	59.6	49.1	53.4	-4.4	45.5			54.0	43.2	44.3	44.8	44.4	43.7	
External debt-to-exports ratio (in percent)	133.1	157.2	255.3	225.9	207.7			216.9	216.6	221.1	225.7	231.3	237.2	
Gross external financing need (in billions of US dollars) 4/	10.8	19.8	36.4	41.0	30.9			34.4	40.5	43.0	46.5	51.1	56.4	
in percent of GDP	21.0	35.7	80.2	90.4	61.2	10-Year	10-Year	63.1	69.8	69.2	69.8	71.2	73.1	
Scenario with key variables at their historical averages 5/								182.0	181.7	181.8	181.1	178.8	174.8	-9.8
						Historical	Standard							
Key Macroeconomic Assumptions Underlying Baseline						Average	Deviation							
Real GDP growth (in percent)	11.2	-1.2	-21.6	-0.9	9.7	5.8	13.2	4.7	4.3	4.2	4.1	4.1	4.1	
GDP deflator in US dollars (change in percent)	7.7	8.7	4.5	0.8	1.7	5.4	3.3	3.0	2.0	2.8	3.0	3.3	3.3	
Nominal external interest rate (in percent)	1.3	1.5	1.4	1.6	2.1	2.1	1.0	3.5	4.2	4.7	4.3	4.0	4.0	
Growth of exports (US dollar terms, in percent)	19.2	0.6	-24.8	-2.3	17.5	12.5	20.0	12.8	7.8	6.0	6.2	6.0	6.0	
Growth of imports (US dollar terms, in percent)	10.2	11.7	0.2	-10.8	7.6	6.9	15.7	8.3	3.2	1.6	3.0	2.3	2.0	
Current account balance, excluding interest payments	41.6	35.8	27.5	30.2	36.4	34.6	8.0	40.9	45.1	47.3	47.1	46.2	45.5	
Net non-debt creating capital inflows	-1.7	-6.3	-7.8	-4.4	0.0	-5.1	2.9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	

1/ Derived as [r - g - r(1+g) + ea(1+r)]/(1+g+r+gr) times previous period debt stock, with r = nominal effective interest rate on external debt; r = change in domestic GDP deflator in US dollar terms, g = real GDP growth rate,

e = nominal appreciation (increase in dollar value of domestic currency), and a = share of domestic-currency denominated debt in total external debt.

2/ The contribution from price and exchange rate changes is defined as [-r(1+g) + ea(1+r)]/(1+g+r+gr) times previous period debt stock. r increases with an appreciating domestic currency (e > 0) and rising inflation (based on GDP deflator).

3/ For projection, line includes the impact of price and exchange rate changes.

4/ Defined as current account deficit, plus amortization on medium- and long-term debt, plus short-term debt at end of previous period.

5/ The key variables include real GDP growth; nominal interest rate; dollar deflator growth; and both non-interest current account and non-debt inflows in percent of GDP.

6/ Long-run, constant balance that stabilizes the debt ratio assuming that key variables (real GDP growth, nominal interest rate, dollar deflator growth, and non-debt inflows in percent of GDP) remain at their levels of the last projection year.

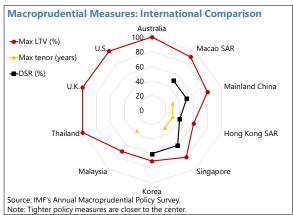
Annex V. Real Estate Market in Macao SAR: Overvaluation, Policies, and Affordability¹

1. Residential property prices are assessed to be 8-9 percent overvalued—for smaller units in particular—when compared with per capita GDP and rent. Deviations from the Hodrick-Prescott filter trend suggest that, as of 2018Q4, prices are below trend by 2-11 percent (with the degree of trenddeviation dependent on the chosen smoothing parameter). On the other hand, deviations from historical price-to-income ratios to capture potential overvaluation (using market price and per capita GDP) suggest that market prices are 9 percent overvalued as of 2018Q4. In addition, deviations from historical price-to-rent ratios (assuming a stable relationship between property prices and rent) suggest an 8 percent overvaluation as of 2018Q4. A complementary analysis by property unit size indicates that smaller units may face higher overvaluation than larger units.²

2. Since 2010, five rounds of housing market macroprudential measures have been

implemented. Macroprudential policies were last tightened in 2017 with reduced loan-to-value ratios (LTV) for non-first-time homebuyers. The measures are somewhat tighter for nonresidents and for equitable mortgages.³ In February 2018, the LTV framework was eased for young first-time homebuyers, making Macao SAR's housing macroprudential policies somewhat looser than Mainland's and Hong Kong SAR's.

Whole Market	HP-filter	HP-filter	Price-to-Income	Price-to-Rent
	(λ=1600)	(λ=8000)	Ratio Method	Ratio Method
Overall				
2018Q1	10%	3%	11%	9%
2018Q2	-3%	-10%	11%	79
2018Q3	-4%	-12%	12%	79
2018Q4	-2%	-11%	9%	89
Properties less t	than 50 sq r	neters		
2018Q1			14%	129
2018Q2			15%	119
2018Q3			17%	129
2018Q4			14%	129
Properties 50-9	9.9 sq mete	rs		
2018Q1			10%	89
2018Q2			11%	79
2018Q3			12%	79
2018Q4			9%	79
Properties 100-	149.9 sq me	eters		
2018Q1			9%	79
2018Q2			8%	59
2018Q3			10%	5%
2018Q4			7%	5%
Properties 150 s	sq meters a	nd over		
2018Q1			9%	79
2018Q2			9%	5%
2018Q3			7%	19
201804			7%	59



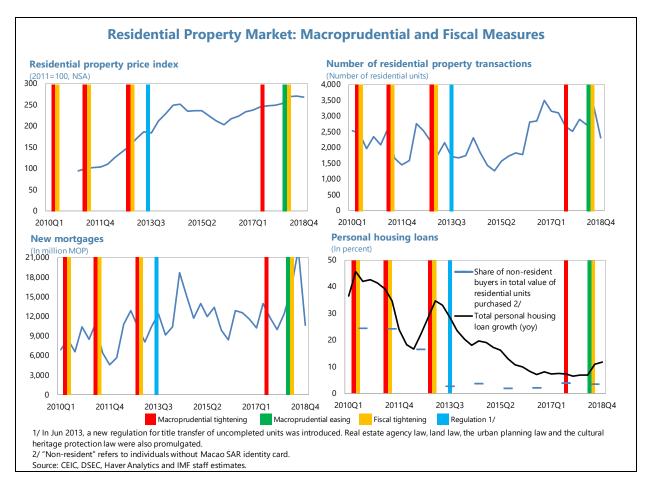
¹ Prepared by Jacqueline Jiayi Zhang (APD).

² According to Macao SAR's 2018 Private Construction and Real Estate Transaction Report, 40 percent of real estate transactions deal with properties of less than 50 square meters.

³ Equitable mortgages are granted to properties under construction. On average, equitable mortgages amount to 11 percent of the value of newly approved residential mortgage loans over 2012-18. Nonresident refers to individuals without Macao SAR identity card. The share of nonresidents in the aggregate value of residential units purchased was 3 percent in the first eight months of 2018.

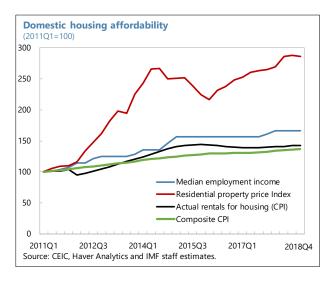
Property price	(million MOP)		Less than 3.3	3.3-6	6-8	More than 8	Less than 3.3	3.3-6	6-8	More than 8
				Legal mo	ortgage			Equitable m	ortgage	
2010										
Residents	LTV 1/		90	70	70	70				
	Loan cap 1/		2.31	-	-	-				
Non-residents			70	70	70	70				
A -1-1:+:	Loan cap		-	-	-	-				
Additional mea	isures					0%. Maximum l	oan tenor is set	to not excee	ea the rea	tirement age
2011			of the borrowe	er concerne	a.					
2011 Residents	LTV		90	70	70	70	70	70	70	70
Residents	Liv Loan cap		90 2.31	70	-	70	70	-	70	/0
Non-residents	•		2.31		- 70		50	50	50	50
non-residents			70	70	70	70	50	- 50	50	50
2012	Loan cap		-	-	-	-	-	-	-	-
Residents	LTV		90	70	60	50	70	70	60	50
Residents	Loan cap		2.31	3.6	4	-	3.6	3.6	4	-
Non-residents			70	60	50	40	50	50	50	40
	Loan cap		1.98	3	3.2	-	3.2	3.2	3.2	-
2017										-
Residents	First-time home buyers	LTV	90	70	60	50	70	70	60	50
		Loan cap	2.31	3.6	4	-	3.6	3.6	4	-
	Other residents	LTV	70	60	50	40	60	60	50	40
		Loan cap	1.98	3	3.2	-	3	3	3.2	-
Non-residents	LTV		60	50	40	30	40	40	40	30
	Loan cap		1.65	2.4	2.4	-	2.4	2.4	2.4	-
2018						_				
Residents	Young first-time home buyers 2/		90	80	80	50	70	70	60	50
		Loan cap	2.64	-	6.4	-	3.6	3.6	4	-
	Other first-time home buyers	LTV	90	70	60	50	70	70	60	50
		Loan cap	2.31	3.6	4	-	3.6	3.6	4	-
	Other residents	LTV	70	60	50	40	60	60	50	40
Non and do :	17/	Loan cap	1.98	3	3.2	-	3	3	3.2	-
Non-residents			60 1.65	50	40 2.4	30	40 2.4	40 2.4	40	30
	Loan cap		1.65	2.4	2.4	-	2.4	2.4	2.4	-

3. In addition to above-mentioned macroprudential measures, some fiscal measures have been used to moderate the buoyant housing market. In Macao SAR, all buyers must pay a stamp duty tax (SD) of 1-3 percent of the property value, except for intermediate transfers (that pay 0.5 percent). In 2010, the exemption for intermediate transfers was annulled. A special stamp duty tax (SSD) was introduced in 2011 targeting market speculators: 20 percent for sellers of properties within one year of purchase, and 10 percent if within two years of purchase. The SSD was extended to commercial properties and parking spaces in 2012. Also in 2012, a flat rate of 10 percent buyers' stamp duty tax (BSD) was introduced on buyers of residential properties who are legal persons, individual entrepreneurs, or nonresidents. A new SSD was imposed on non-first residential property purchases in February 2018: a 5 percent SSD is applicable on acquisition of the second residential property, and a 10 percent SSD is applicable for the third property and above. Lastly, the previous exemption of housing tax for vacant residential property was removed in February 2018.



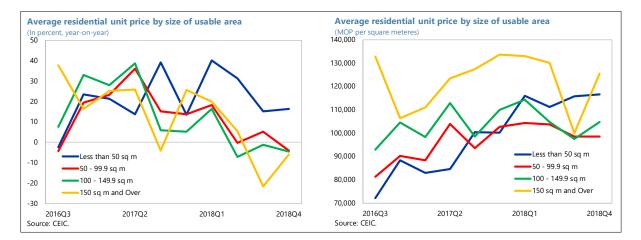
Housing Affordability Concerns and Housing Supply:

Housing affordability has 4. deteriorated with the economic recovery that started in mid-2016. While wages have gradually increased, property prices have risen by 33 percent since the low point in 2016Q1, reaching almost three times their 2011 level. The growth of Macao SAR's property price index is only second to Hong Kong SAR, surpassing all other Tier I cities in Mainland China.⁴ Relative to other economies, Macao SAR's property price growth is higher than many metropolitan areas in the world including Greater London, Korea, Singapore, Sydney, Tokyo and the aggregate for top-ten U.S. metro regions.



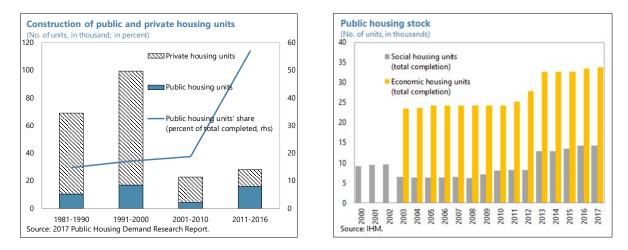
⁴ Tier I cities are Beijing, Shanghai, Guangzhou, and Shenzhen.

5. Recent macroprudential policy easing for young first-time homebuyers may have unintentionally worsen housing affordability in this segment. As mentioned, in February 2018, LTV was eased for young first-time homebuyers.⁵ The continued increase in the price of small properties over 2018 is likely related to the demand boost from young first-time homebuyers who benefited from the macroprudential easing in early 2018. In fact, smaller properties, historically the most affordable in the economy (in terms of average price per square meter), became the most expensive type of property in Q3 2018.



6. Boosting housing supply will be key to support housing affordability. Private housing construction has been sluggish while there is an excess demand for public housing in the near term:

• *Private housing*. As of 2016, there are over 171,000 private housing units. About 50,000 private sector units have been built between 2003 and 2016—which is significantly below the earlier (pre-2000) pace.



⁵ In 2018 Q3, young first-time homebuyers account for 60 percent of the value of newly approved mortgages for residents. In terms of housing market share, young first-time homebuyers account for 45 percent in 2017 and 82 percent in 2018 (out of all buyers in the residential market).

• *Public housing.* Only 18 percent of resident households rely on public housing in Macao SAR, while it reaches 45 percent of households in Hong Kong SAR. Macao SAR's public housing program consists of social and economic housing (with economic housing accommodating 64 percent of households in public housing).⁶ Since 2003, the government has added more than 6,000 social units and around 14,000 economic units. As of 2016, there were almost 48,000 public housing units and, at the moment, 50,000 public housing units are under construction or planned. However, official projections anticipate significant excess demand for public housing in the near term.⁷

⁶ Social housing is owned by the government and leased to low-income families. Economic housing is financed and built by the government, and then sold to Macao SAR's residents of certain income and saving levels at affordable prices. In 2011, the Economic Housing Law extended to 16 years the minimum time period for free market resale of economic housing (it was 6 years before).

⁷ According to the "2017 Public Housing Demand Research Report" (prepared by Macao Public Governance Research Center), while public housing will satisfy demand in the long-term, new demand for public housing will reach over 30,000 units by 2021 yet the supply of public housing will expand only by over 9,000 units by then.

Annex VI. External Sector Assessment

Staff assess Macao SAR's external position to be substantially stronger than medium-term fundamentals and desirable policies. There is scope for (i) more domestic absorption in terms of infrastructure investment, (ii) boosting public social spending, and (iii) closer monitoring of the quality and liquidity of external assets.

1. Foreign Asset and Liability Position—

Official international investment position data are not available. As an alternative, staff estimate Macao SAR's net foreign assets by calculating the cumulative sum of financial account flows starting in 2002. (The estimate is imperfect as it excludes valuation changes.) Consistent with measured Macao SAR's large current account surplus since 2002, this approach suggests a large net foreign

Estimated International Investment Position						
(In percent of GDP, end of 2017)						
	Foreign Assests	Foreign Liabilities				
Total	448	212				
Direct Investment	14	65				
Portfolio Investment	130	12				
Financial Derivative	-0.02					
Other Investment	229	135				
Reserve	75					
Fiscal Reserve	121					
Banks	230	140				
Source: AMCM, Haver, IMF staff estimates.						

asset position of 236 percent of GDP for end-2017—up from 200 percent of GDP in 2015 due to lower liabilities. Similar to other financial centers, Macao SAR is estimated to have a large gross external position driven by the banking sector, as they hold 51 percent of the foreign assets and 66 percent of the liabilities. Another large asset holder is the fiscal reserve, accounting for 27 percent of foreign assets. In addition, Dealogic data suggest that another large holder of foreign liabilities is the gaming sector. The estimated large net foreign assets suggest limited grounds for concern about medium-term external solvency, but ongoing attention is necessary to the quality and liquidity of foreign assets in the event of a sudden fall in external liabilities.

2. Current Account—In 2018, Macao SAR is estimated to have a current account surplus of 35 percent of GDP, up from the trough of 25 percent in 2015 when gaming exports contracted following developments in the Mainland that reduced external demand from high-spending (VIP) visitors. Large current account surpluses are expected to continue in the medium term as Macao SAR continues to

Revised EBA-lite: CA and REER Mo	del, 2018				
CA Model (in percent of GDP, cyclically adjusted)					
CA-Actual	34.8				
CA-Norm	16.0				
CA-Gap	18.8				
Of which Policy Gap	5.7				
Index REER model (in percent)					
REER Gap	3.8				
Of which Policy Gap	-1.0				
Source: IMF staff estimates.					

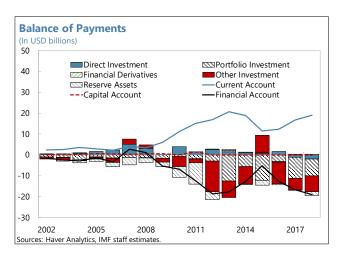
benefit from China's gaming monopoly, while the small domestic market is unable to absorb the scale of the gaming monopoly profits. However, there is scope to increase investment and reduce savings by removing structural distortions including bottlenecks to investment and policies that cause excessive savings. For example, infrastructure bottlenecks are holding up the expansion of non-VIP gaming and tourism. Moreover, there is scope to increase needed targeted public social spending that is currently at levels much below those in other countries and is causing excessive savings. The revised EBA-lite current account regression model estimates that the 2018 current account gap is 19 percent of GDP. Notably, the CA gap is largely unexplained by the model, reflecting the difficulty in properly capturing Macao SAR's volatile current account due to the gaming sector and the lack of a measure for the structural policy gap. The model identifies a policy

gap of 6 percent (out of the 19 percent CA gap) mainly driven by a fiscal policy gap due to a fiscal surplus above its desirable level (assumed to be the benchmark fiscal balance of zero percent under the Basic Law). Based on available data and model estimates, staff assess that the CA is substantially stronger than fundamentals and desirable policies. Higher domestic investment and lower savings will contribute to reducing the estimated current account gap.

3. Assumptions and CA Assessment—Importantly, without actual IIP data it is difficult to confirm that the measured CA properly captures changes to residents' net wealth and the size of the domestic savings-investment balance. IIP data could indicate that CA may be overstated and inaccurately assessed if, for example, some income is currently recorded as pertaining to residents when it should be recorded as nonresidents. In addition, computing IIP could improve the income account as it would provide rates of return that can be checked against international benchmarks. Thus, availability of IIP data may change the assessment. Moreover, if the gaming monopoly were to be viewed as temporary by the authorities, observed high savings could be appropriate for intergenerational purposes and wouldn't represent a distortion, also changing the CA assessment.

4. **Real Exchange Rate**— The real effective exchange rate depreciated by 0.9 percent annually in 2017 and in 2018, but it appreciated on a monthly basis since July 2018 in line with renminbi depreciation. The fact that the Macao SAR's exchange rate is pegged to the Hong Kong dollar (and in turn the U.S. dollar) even though over 70 percent of visitors are from Mainland may pose competitiveness issues if renminbi were to depreciate significantly and prices were not to adjust. However, there is no empirical relationship between REER and CA for Macao SAR, and, thus far, there is no evidence of overvaluation, with prices contributing to adjustments to shocks. The EBA-lite Index REER model estimates a 3.8 percent REER gap for 2018, with a negative policy gap (of 1 percent). The small REER gap is consistent with staff's view that the REER is broadly in line with fundamentals.

5. Financial Accounts—Macao SAR's balance of payments can be characterized by two basic dynamics. First, strong tourism sector exports generate large current account surpluses which are invested abroad, driving large net capital outflows and the accumulation of foreign assets. Further accumulation of foreign assets is expected as the planned sovereign wealth fund expands foreign portfolio investment. Second, as an international financial center, banks acquire large foreign liabilities which are then reinvested abroad. This results in large two-way



gross financial account flows. The size of gross capital flows reflects in part the fact that the financial account is fully liberalized. Significant foreign assets (including contingent support from Mainland parent banks) and prudent financial regulation limit risks from potentially volatile capital flows.

6. FX Intervention and Reserves Level—Because Macao SAR has a currency board arrangement, international reserves have been built up in a nondiscretionary way. The stock of foreign exchange reserves is about US\$20 billion (37 percent of GDP) as of end-2018. In terms of import coverage, foreign exchange reserves are estimated to be a comfortable 13 months of imports at end-2018. Regarding M2 coverage, its ratio has been declining since it peaked in 2011 (at 352 percent of M2) to 82 percent at end-2018, but international reserves remain adequate for precautionary purposes. Macao SAR also holds significant fiscal reserves (US\$64 billion or 116 percent of GDP as of November 2018) in foreign exchange (of which about US\$18 billion was funded out of reserves in 2012). These can be an additional buffer but are primarily intended for investment (domestically and abroad) rather than supporting the exchange rate regime.

Main Recommendations	Steps Taken
1. Grant operational independence to AMCM, including appointment terms of Chairman, independence over budget, and final decision making authority in implementing corrective or remedial action to assure timely and effective bank resolution.	 These issues require major legislative changes and an overhaul of the administrative structure of the Macao SAR Government. Under the existing Financial System Act (FSA) and Charter, the AMCM actually has necessary and sufficient degree of operational independence and resources to perform its duties for effective supervision, for example: the AMCM has autonomy in its day-to-day operations and the methods it uses to pursue its public policy objectives; the AMCM on its own determines prudential policies, standards and guidelines relating to the regulation and supervision of financial institutions; financially, the AMCM has its own budget and has sufficient resources required for performing its statutory duties; the AMCM makes its own decision on all the matters that fall within its scope of statutory competence. As for those matters that the AMCM is legally obligated to give advice only, the track record indicates that the Macao SAR Government has been in favor of the AMCM (as it does not benefit from the same degree of resources, skills or information as the AMCM) and there is no evidence of interference from any party which compromises the operational independence of the AMCM. the AMCM has its own HR policy and independently makes decision on staff recruitment (though increases in headcounts are subject to approval), placement and promotion on its own.
2. Give AMCM authority over key regulatory and supervisory decision affecting the insurance system, including the licensing approval process, the regulation of tariffs and sanctions.	<i>Background and authorities' views.</i> The Macao Insurance Ordinance (Decree Law No. 27/97/M) and the Charter of the AMCM (Decree Law No. 14/96/M) authorise the AMCM with power of supervision over insurers and reinsurers. The authorised power includes but not limited to on-site and off-site supervision, regulatory standards setting, and providing technical opinions on licensing, sanctioning, and regulating of tariffs. Operationally, the AMCM makes its own decisions on all regulatory and supervisory matters that fall within its scope of statutory competence. For those matters that the AMCM gives advice to the Macao SAR Chief Executive, like licensing of insurance companies or sanctions for contraventions, the track record indicates that the Chief Executive has been in favor of the AMCM and that no regulatory or supervisory action has been delayed.
3. Complete the onsite inspection manual for banking.	In addition to onsite inspection manual for banking, supervisory questionnaires have also been designed to obtain an overall understanding on the operations and controls of different areas of focus. These questionnaires are regularly reviewed and updated to take into consideration any changes in the respective regulatory guidelines and market practices.
4. Amend regulations on related parties to include a guideline that exposures to related parties may not be granted on more favorable terms than to nonrelated parties.	Although this is a de facto standing practice adopted by Macao SAR banks, the related-party issue is also considered in the review of the FSA. The revised Article 66 proposes a prudential requirement on the related-party transactions or dealings, which should be conducted at arm's length terms. A conferment of power to the AMCM to issue the relevant guideline for defining the scope of the related parties is also proposed in the revised FSA.
5. Enhance offsite analysis of AMCM by deepening the trend analysis for individual banks (including financial condition of the parent) and collate this information into a systemic risk framework for analyzing overall	Credit risk returns have been revised, and offsite analysis has been enhanced by consolidating different data sources into a single data store. The process to generate reports on financial key performance indicators, key risk indicators and distribution trends is then streamlined, facilitating AMCM's effective integrated data and trend analysis of financial conditions of and risks faced by individual banks, as well as systemic risk of the banking sector. Established closer relationship and more frequent communication with their parent financial institutions

Annex VII. Key 2011 FSAP Recommendations

Main Recommendations	Steps Taken
banking vulnerabilities. The Banking Supervision Department should modify its banks returns for credit risk analysis purposes as it would benefit from greater detail collected on outstanding loans.	and home supervisors, as always, has also strengthened these areas.
6. Develop a formal process that underpins the current bank resolution measures in place, including defining possible remedial actions at trigger points. Specify under what conditions liquidity will be provided by the AMCM and the role of the government in the event of possible deposit payout.	Currently the FSA provides for a range of corrective and remedial measures, including the intervention measures, to be taken to address unstable situations of the credit institutions. Measures are put in place that liquidity could be provided to banks under repo arrangements or under emergency conditions for the sake of securing public interests. Regarding the possible deposit payout, please see point 10.
7. On insurance supervision, carry out full scale onsite inspection and develop onsite inspection manual. Offsite supervision should incorporate an analysis of claims performance and trends.	The AMCM has adopted Insurance Core Principles promulgated by the International Association of Insurance Supervisors (IAIS), and specifically adopted a highly conservative rain-fencing supervisory measure, namely guaranteeing of technical reserves. Besides, the AMCM has also issued various regulatory guidelines in respect of customer protection, corporate governance and AML/CFT, etc. By means of on-site and off-site supervision and strict control on technical reserve and solvency requirements, the AMCM exercises adequate supervisory power. On-site inspection is not necessarily full scope, while thematic is sometimes a more result oriented and effective tool. Findings of the on-site inspections were communicated to the insurers concerned, and follow-up actions taken by the insurers were continuously monitored. Analysis of claims performance is primarily performed on nonlife compulsory insurance in order to monitor the adequacy and fairness of premium tariffs. The AMCM has developed a framework to collect the 'claims triangle for nonlife insurers relating to the major compulsory insurances. In 2019, actuarial study will be performed on motor third party liability insurance to assess the tariff system.
8. AMCM should arrange MOUs with the insurance regulators in the jurisdictions where no such arrangement exists.	There are in total 12 MOUs signed with overseas insurance regulators. Also, in line with the initiatives of the IAIS to enhance information exchange and cooperation among its members, the AMCM signed a MOU with the IAIS in 2011. The AMCM has revamped the MOU with the Insurance and Pension Funds Supervisory Authority of Portugal to strengthen the co-operation between the two regulators.
9. To enhance transparency and credibility of accounting system, adopt the IFRS system in full.	In early January of 2019, Macao SAR launched a public consultation to revise the current Macao Accounting Standards (MASs). The content of the new MASs is suggested to adopt conceptual framework, certain standards and interpretations of Part A of the 2015 Edition of International Financial Reporting Standards (IFRS) (red book), which includes a conceptual framework of financial report, 15 IFRS, 26 International Accounting Standards (IASs) and 21 interpretations. For more information about the public consultation, please refer to http://www.dsf.gov.mo/newFRSconsult/?lang=zh .
10. Consider introduction of a deposit insurance scheme.	The Deposit Protection Scheme was officially launched in October 2012, with the compensation limit set at MOP500,000 per depositor per bank. Through the promulgation of Law No. 4/2018 of 12 March, the Deposit Protection Scheme was revised to replace the "net payout approach" with the "gross payout approach" (i.e. without deducting a depositor's liabilities from his/her protected deposits in the same participating institution when determining payout), which would simplify the calculation of compensation amount and shorten the data processing time during payout.

Annex VIII. Main Recommendations of the 2016 Article IV Consultation Discussions

Fund Recommendations	Policy Actions			
Fiscal Policy:				
There is no need for further discretionary fiscal loosening in 2017 given the closing output gap	The fiscal surplus increased in 2017, while the non- gaming balance remained broadly stable			
Establish a medium-term fiscal framework and implement an explicit counter-cyclical fiscal framework				
Parametric reform of the pension system (i.e. index pension benefits to inflation)	The Social Security Fund plans to complete a study of indexation in 2019			
Property Market:				
Risks in the housing market appear broadly contained and the macroprudential stance is appropriate, so loan-to-value (LTV) and debt service-to-income (DSI) ratios should remain unchanged	On continued increases in housing prices, macroprudential and fiscal measures were introduced in 2017 and 2018 to contain housing market risks. However, LTV ratio for young first- time homebuyers was loosened in 2018 to help affordability			
To address housing affordability concerns: targeted transfers, regulatory policy to support private sector housing supply, and well targeted public housing supply	Ongoing public housing construction projects plan to add 50,000 public housing units by 2026. Measures under consideration to make public housing more targeted to the vulnerable. Draft master plan (to be completed in 2019) will support private housing development			
Financial Sector:				
Supervisors should remain vigilant about the nature of the foreign borrowing (maturity, type of counterpart) and foreign investments (quality, liquidity)	Continuous supervision of short-term foreign liabilities. Recent efforts to strengthen financial supervision and regulation cooperation across jurisdictions. Satisfactory results from regular stress tests on banks' assets, including from shocks to the real estate portfolio and the Mainland exposure			
Growth Strategy:				
Advance diversification plans including by executing current infrastructure plans and improving public financial management to avoid capital spending under-execution. Invest in human capital and close infrastructure gaps	HZMB bridge completed in 2018. Tourism industry development master plan completed in 2017. Continued progress in the "Guangdong-Macao Cooperation Industrial Park" in Hengqin. Agreements with the Mainland (recent investment agreement and technical cooperation agreement under CEPA) to help boost FDI and trade in goods and services			



PEOPLE'S REPUBLIC OF CHINA—MACAO SPECIAL ADMINISTRATIVE REGION

April 5, 2019

STAFF REPORT FOR THE 2019 ARTICLE IV CONSULTATION DISCUSSIONS—INFORMATIONAL ANNEX

Prepared By Asia and Pacific Department (in consultation with other departments)

CONTENTS

FUND RELATIONS	 2
STATISTICAL ISSUES	 3

FUND RELATIONS

Membership Status

As a Special Administrative Region of the People's Republic of China, Macao SAR is not a member of the Fund. The first Article IV consultation discussions since the handover in 1999 took place during April 22–29, 2014 and the Board discussion took place in July 2014. Its Article IV is in a 24-month cycle. The latest Article IV consultation discussions took place during February 13-25, 2019. Outside of the Article IV process, the Fund has maintained a relationship with Macao SAR, focused mainly on technical assistance and training. STA provided technical assistance with compiling FSIs in 2013 and on the balance of payments in 2008, MCM completed an assessment of the financial sector regulation and supervision under the OFC program in 2002 and 2008/2009 (published in 2011), and LEG provided advice on AML/CFT issues resulting in new legislation in 2006.

Exchange Rate Arrangement

Since 1989, Macao SAR has been operating under a currency board arrangement. On April 7, 1977, the exchange rate of Macao SAR's currency, the pataca, was formally delinked from the Portuguese escudo and linked to the Hong Kong dollar at a central rate of MOP 1.075/HK\$, and the transaction rates were allowed to deviate from this rate as long as they were within a band of +/-1 percent of the central rate. Effective January 1979, the central rate of the pataca was set at MOP 1.038/HK\$, and in September 1983, was adjusted to MOP 1.03/HK\$, and the transaction rates were to take place within a narrow band on either side of the central rate. This arrangement continued through May 1987.

Since then, the pataca has been tied to the Hong Kong dollar at a rate of MOP1.03/HK\$, and is therefore also in effect linked to the US\$, at around MOP8/US\$. Notes are issued by two banks, which deliver Hong Kong dollars to the AMCM in return for noninterest bearing certificates of indebtedness, which serve as the backing for the banknote issue. The Hong Kong dollars are then counted as part of the official foreign exchange reserves held at the AMCM. Under the currency board arrangement, the pataca is 100 percent backed by foreign assets. There are no exchange restrictions on current and capital account transactions. With capital freely mobile, monetary conditions in Macao SAR are strongly influenced by conditions in Hong Kong SAR and the United States market.

STATISTICAL ISSUES

(As of March 28, 2019)

I. Assessment of Data Adequacy for Surveillance

General: Data provision is broadly adequate for surveillance.

National Accounts: Macao SAR compiles quarterly and annual estimates of GDP by expenditure category, at current prices and in volume terms. The volume measures are derived using annual chain linking methods. The estimates by type of activity (production approach) are compiled in current prices and in volume terms only at annual frequency, due to the unavailability of relevant quarterly deflators. A major revision of the compilation process was undertaken in 2016. Macao SAR reports annual and quarterly GDP to the IMF for publication in *International Financial Statistics (IFS)*; latest data available: 2018: Q4. STA has not provided technical assistance in national accounts to Macao SAR over the past ten years.

Price Statistics: Macao SAR compiles a monthly consumer price index (CPI) with a base period of October 2013 to September 2014. The index is rebased every five years and has been available since October 2009. The current weights were derived from the 2012/13 household income and expenditure survey. Macao SAR releases a composite CPI, which reflects price changes for the general population of households, CPI-A that covers households with an average monthly expenditure of MOP 10,000 to MOP 29,999 (about 50 percent of households), and a CPI-B that covers households with an average monthly expenditure of MOP 30,000 to MOP 54,999 (about 30 percent of households). Macao SAR submits CPI data to the IMF for publication in *IFS*.

Government Finance Statistics: Macao SAR reports detailed annual consolidated general government accounts (budget, 39 extra budgetary units, and the social security fund) in the *GFSM 2001* format for inclusion in the *Government Finance Statistics* Database, along with summary quarterly general government accounts. However, the GFS series could be usefully augmented by the reporting of a financial balance sheet, as outlined in the 2010 Board decision regarding government finance statistics to strengthen fiscal analysis.

Monetary and Financial Statistics: The Monetary Authority of Macao (AMCM) reports, on a timely basis, monthly monetary data to STA for publication in IFS. These data are reported in the format of the Standardized Report Forms (SRFs) for central bank (1SR) and other depository corporations (2SR), monetary aggregates (5SR) and interest rates and share prices (6SR), which embody the IMF-recommended methodology for compiling monetary statistics. Macao SAR reports data on some key series and indicators of the Financial Access Survey (FAS), including the two indicators of the U.N. Sustainable Development Goals.

Financial sector surveillance: In July 2013, an STA mission assisted the authorities in establishing procedures for compiling FSIs in accordance with the IMF-recommended framework. Currently, the AMCM produces the full set of core and encouraged FSIs for deposit takers, and regularly reports them to STA for dissemination on the IMF website.

External sector statistics: The AMCM compiles and disseminates annual balance of payments (BOP) statistics. There is no publication of external debt data as well as International Investment

Position (IIP) Statistics. Lack of these data is not conducive to strengthening the balance sheet approach framework. Since 2012, the BOP of Macao SAR has been compiled following the methodology and classification of the sixth edition of the *Balance of Payments and International Investment Position Manual (BPM6)*. BOP data for 2002–11 were originally compiled under the format of the fifth edition of the *Balance of Payments Manual (BPM5)* and converted to the *BPM6* format. Although, external sector statistics are not yet compiled on a quarterly basis, Macao SAR participates in major Fund Statistical Initiatives, such as the Enhanced General Data Dissemination System (e-GDDS), the Coordinated Portfolio Investment Survey (CPIS), and the Coordinated Direct Investment Survey (CDIS). Direct investment abroad by Macao SAR household sector is not covered in external sector statistics. Household financial investment abroad only covers those transactions going through local authorized financial institutions, and hence, transactions outside the local financial channel are not recorded. In addition, compensation of Macao SAR employees earned abroad is not covered in the BOP.

II. Data Standards and Quality						
Macao SAR participates in the IMF's enhanced General Data Dissemination System (e-GDDS) since August 2007 and has implemented a <u>National Summary Data Page</u> for the dissemination of key macroeconomic statistics.	No data ROSC is available.					
The metadata for key macroeconomic indicators, available on the country page on the IMF's Dissemination Standards Bulletin Board, were updated in October 2018.						

Table of Con	nmon Indica	tors Requi	red for Surve	illance	
	Date of Latest Observation	Date received	Frequency of Data ⁵	Frequency of Reporting ⁵	Frequency of Publication ⁵
Exchange Rates	02/19	03/19	М	М	М
International Reserve Assets and Reserve Liabilities of the Monetary Authorities ¹	01/19	03/19	М	М	М
Reserve/Base Money	01/19	03/19	М	М	М
Broad Money	01/19	03/19	М	М	М
Central Bank Balance Sheet	01/19	03/19	М	М	М
Consolidated Balance Sheet of the Banking System	01/19	03/19	М	М	М
Interest Rates ²	02/19	03/19	М	М	М
Consumer Price Index	12/18	02/19	М	М	М
Revenue, Expenditure, Balance and Composition of Financing – General Government	Q3/18	11/18	Q	Q	Q
Stocks of Central Government and Central Government - Guaranteed Debt ³					
External Current Account Balance ⁴	2017	12/18	A	А	A
Exports and Imports of Goods and Services	2017	12/18	A	А	A
GDP/GNP	Q4/18	02/19	Q	Q	Q
Gross External Debt	NA	NA	NA	NA	NA
International Investment Position	NA	NA	NA	NA	NA

¹ Any reserve assets that are pledged or otherwise encumbered should be specified separately. Also, data should comprise short-term liabilities linked to a foreign currency but settled by other means as well as the notional values of financial derivatives to pay and to receive foreign currency, including those linked to a foreign currency but settled by other means.

Both market-based and officially-determined, including discount rates, money market rates, rates on monetary bills.

³ Macao SAR has no government debt.

⁴ Goods trade data from external statistics are available are provided monthly. Services trade data in BOP format are released annually with the current account statistics.

Daily (D), Weekly (W), Monthly (M), Quarterly (Q), Annually (A); Irregular (I); Not Available (NA).

Statement by Ping Sun, Alternate Executive Director for China, and Georgina Lok, Advisor to Executive Director April 24, 2019

On behalf of the Macao SAR authorities, we would like to thank staff of the Article IV team for the constructive discussions during the mission, as well as their professional and comprehensive assessment. The Macao SAR authorities appreciate this consultation with the Fund, which has been the third for Macao SAR since 2014. We broadly agree with staff's assessment of the economic outlook and welcome staff's recognition of the authorities' efforts in enhancing growth resilience of Macao SAR through diversification. We are pleased to confirm the authorities' intention to publish the staff report.

Economic updates and outlook

The Macao SAR economy has swiftly rebounded since mid-2016, following a two-year consolidation in 2014-16. Boosted by the strengthening of external demand, real GDP grew sturdily by 9.7 percent in 2017 and further by 7.6 percent in the first half of 2018. Nevertheless, the growth momentum decelerated to 2.0 percent in the second half of 2018, attributed to weaker investment and slowdown in service exports growth. For 2018 as a whole, the economy witnessed a growth rate of 4.7 percent. Nominal GDP per capita reached MOP666,893 or USD82,609.

Inflationary pressures picked up moderately as labor and rental costs fed into consumer prices. The average composite CPI increased by 3.0 percent in 2018, as against 1.2 percent in 2017. In the meantime, the unemployment rate fell to 1.8 percent in 2018 from 2.0 percent in 2017.

While the outlook of 2019 is clouded by uncertainties, external demand is expected to remain solid. This is underpinned by cross-border infrastructure upgrades, in particular, the commissioning of the Hong Kong-Zhuhai-Macao Bridge (HZMB) in October 2018, which would bolster the visitor base of Macao SAR. Furthermore, new integrated resorts to be opened in 2019 will lend support to external demand for tourism services.

Price pressure is likely to remain steady and the unemployment rate is expected to hover around levels of below 2.0 percent in 2019. Foreign workers, accounting for 47.8 percent of employment in February 2019, have been playing a major role in alleviating the issues of labor shortage and providing sufficient cushion for labor-market flexibility.

Economic diversification

The authorities have attached great importance to the transition towards more stable sources of growth and strived to make progress in diversification. A roadmap towards economic diversification has been laid down in Macao SAR's first Five-Year Development Plan (2016-2020), where both intra- and inter-sectorial diversification plans were proposed. Policy priorities have been given to accelerate the development of the emerging industries, including MICE (meetings, incentives, conferences, and exhibitions), Chinese medicine, and featured financial services (FFB).

The authorities welcome staff's assessment that envisages a more stable growth path for Macao SAR as diversification progresses, with the economy forecast to grow steadily at about 4 percent over the medium term.

Macao SAR endeavors to bolster featured financial services as a core component of the commercial and trade service platform between China and Portuguese-speaking countries (PSCs). Staff's assessment concurs that the China-PSCs niche market is a natural area for expansion of the financial sector. To this end, the authorities have strived to improve the operating environment for providing the related financial services. For example, the "Leasing Companies Law" was enacted on 9 April 2019 to facilitate easier entry into Macao SAR's financial leasing market and raise the economy's overall competitiveness in this sector.

In December 2018, the "Arrangement between the National Development and Reform Commission and the Government of the Macao Special Administrative Region for Advancing Macao's Full Participation in and Contribution to the Belt and Road Initiative" was signed. This would support Macao SAR's provision of financing services for implementing the Belt and Road Initiative and help build Macao SAR into a financial service platform for commercial and trade cooperation between China and PSCs.

The "Outline Development Plan for Guangdong-Hong Kong-Macao Greater Bay Area" (GBA plan) was unveiled in mid-February 2019, which would offer huge opportunities for Macao SAR to broaden its development space and diversify its economy through regional cooperation. The authorities see large potential gains for Macao SAR as the GBA would expand the demand base for Macao SAR's economic diversification. In 2017, the 11 cities in the GBA had a total population approaching 70 million, contributing a total GDP of USD1.5 trillion.

Linked Exchange Rate System

The existing Linked Exchange Rate System (LERS) has been the anchor of Macao SAR's monetary stability for over three decades. The authorities welcome staff's affirmation that the LERS remains well-suited for Macao SAR and the credibility of currency board arrangement has been upheld by fiscal prudence, adequate reserve coverage, a liquid and well-capitalized banking sector, as well as a flexible labor market.

Fiscal policy and Fiscal Reserve

The authorities have noted staff's proposal for a more formal counter-cyclical fiscal policy framework to smooth sharp private demand fluctuations. Even though fiscal space is ample, the authorities believe that the Macao SAR Basic Law mandate of balanced budgets has served as an important policy anchor to safeguard Macao SAR's fiscal sustainability.

To enhance efficiency in Macao SAR's reserve asset investment, in particular the Fiscal Reserve, the authorities have planned to establish the Macao Investment and Development Fund in 2019, which would be managed by a newly independent public company in accordance with the Santiago principles.

Property market

The property market remained buoyant in the first quarter of 2018 but cooled off in the second half of 2018 after the authorities rolled out new macro-prudential measures in February 2018. The authorities welcome staff's assessment that the current housing macro-prudential stance and related fiscal measures to mitigate systemic risks associated with the property market are broadly appropriate. Property-related credit activities have remained as a significant portion of bank lending though they have moderated. The share of property-related loans (residential mortgage and commercial real estate loans) in total private-sector loans dropped to 39.9 percent at end-February 2019 from 41.7 percent a year ago. Moreover, the asset quality of these loans has held up well. The delinquency ratio of property-related lending edged down to 0.17 percent at end-February 2019 from 0.18 percent at end-February 2018. Nonetheless, the authorities will remain vigilant of developments in the property market and deploy appropriate measures based on evolving macroeconomic and financial stability risks facing Macao SAR.

Property prices continued to face upward pressures in 2018, rising by 7.5 percent. To alleviate the housing affordability issue for the youth, the maximum loan-to-value ratio of mortgages granted to Macao young first-time homebuyers was relaxed to assist young adults in purchasing their first homes in February 2018. Subsequently, the proportion of local first-time homebuyers rose notably to 82.1 percent in 2018, from 45.0 percent in 2017.

On the supply side, ongoing public housing projects are expected to satisfy public housing needs by 2026 when about 50,000 additional public housing units would become available.

Financial sector

The authorities have exerted tremendous effort in safeguarding the financial system and welcome staff's assessment that Macao SAR's financial sector remains sound. Liquidity and asset quality remain healthy. Regarding rising banks' exposure to Mainland-related lending, the authorities have maintained close monitoring of banks and strengthened supervision to ensure that Macao banks adhere to prudent credit underwriting standards and risk management. Asset quality associated with Mainland-related lending remains healthy and a significant portion of such lending is backed by collateral or guarantee. Furthermore, the Monetary Authority of Macao continues to strengthen financial supervisory and regulatory cooperation with the People's Bank of China.

The authorities appreciate staff's support for their efforts in strengthening the anti-money laundering and combating the financing of terrorism (AML/CFT) framework. The assessment by the Asia/Pacific Group on Money Laundering (APG) in 2016 recognized Macao SAR's substantial progress in implementing international standards, including the filing of suspicious transaction reports (STR) and large sum transactions in the gaming sector. In 2017, the authorities introduced the "Control of Cross-Border Transportation of Cash and Bearer Negotiable Instruments" to further strengthen the AML/CFT framework.