

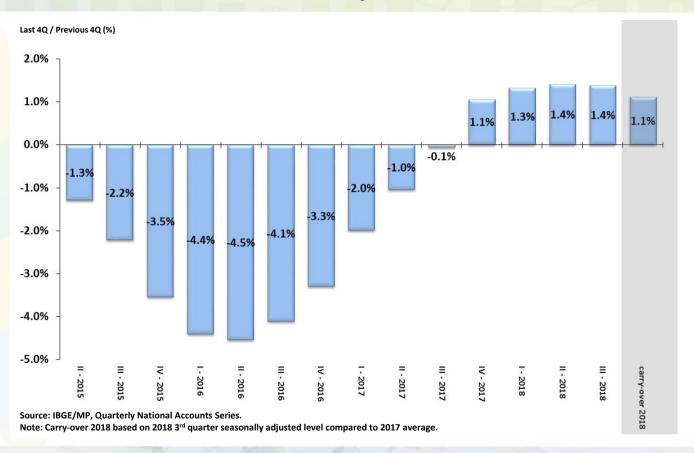


# Contents

Highlights	4
Market Expectations	
Economic Activity	
GDP and Quarterly Economic Activity	51
Monthly Economic Activity	66
Other Monthly Economic Activity Indicators	76
Labor Market	95
Inflation	
Credit Market	118
Financial Markets	
Foreign Trade.	141
External Sector	
Public Sector Accounts	168
World Economy	179

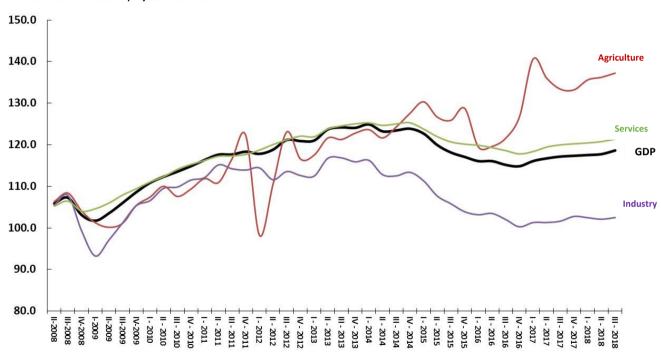


# **Quarterly GDP**



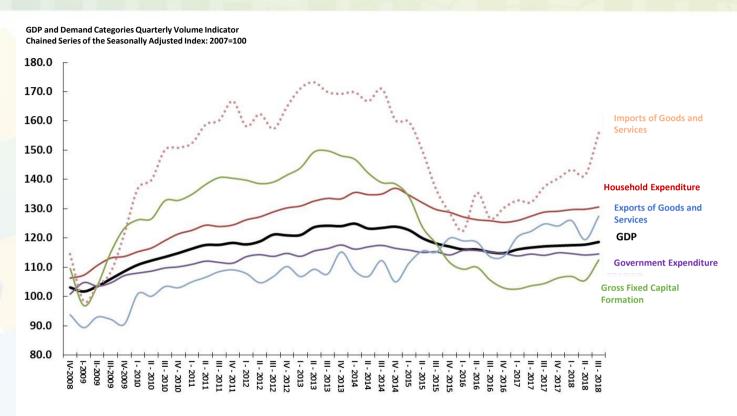
### **Quarterly GDP by Activity Sector**

GDP and Economic Sectors Quarterly Volume Indicator Chained Series of the Seasonally Adjusted Index: 2007=100



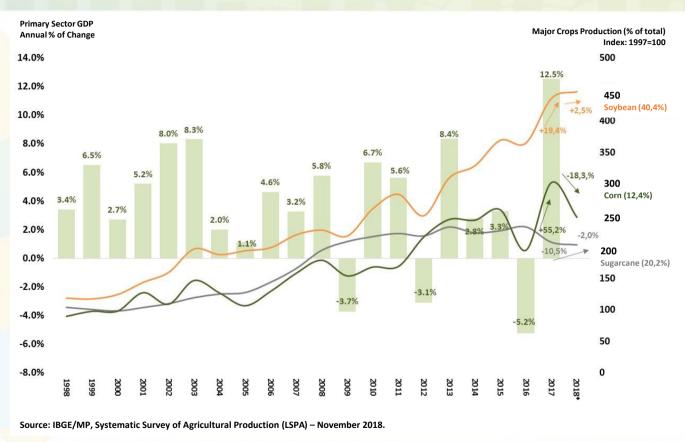
Source: IBGE/MP, Quarterly National Accounts Series.

## **Quarterly GDP by Expenditure**

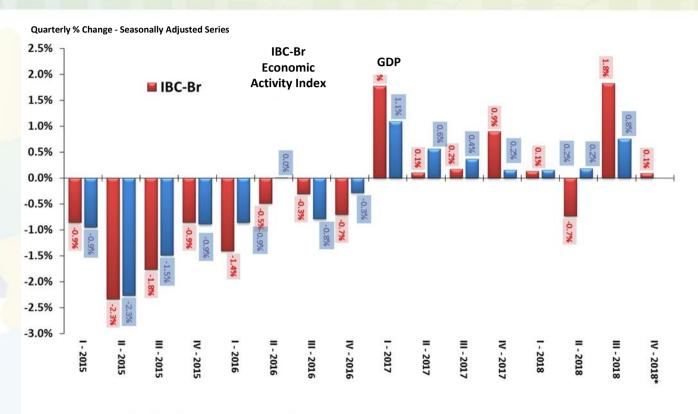


Source: IBGE/MP, Quarterly National Accounts Series.

# **Primary Sector Performance by Major Crops**

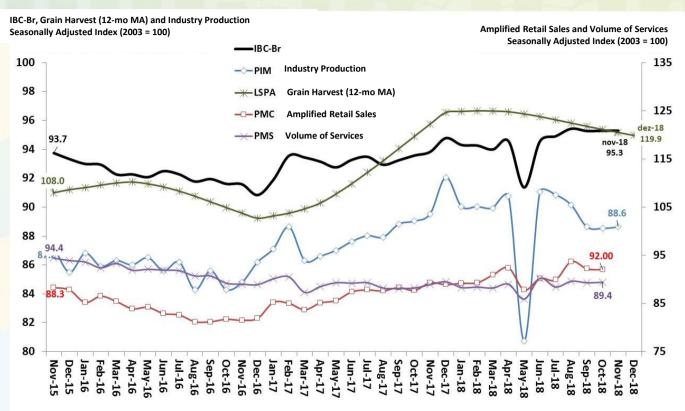


## Quarterly GDP Growth and IBC-Br Economic Activity Index



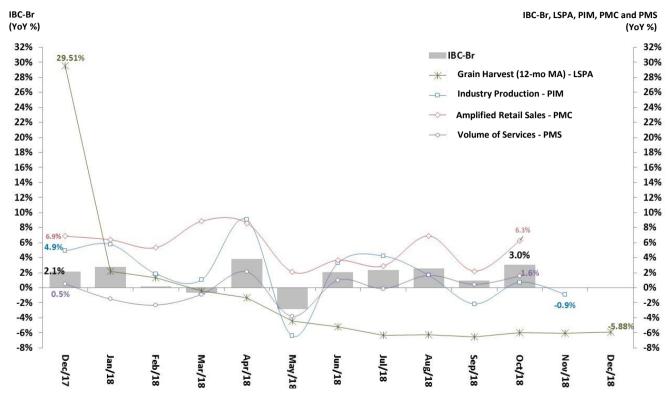
Sources: IBGE/MP and Central Bank of Brazil. \* October/18.

# **Major Monthly Economic Activity Indicators**



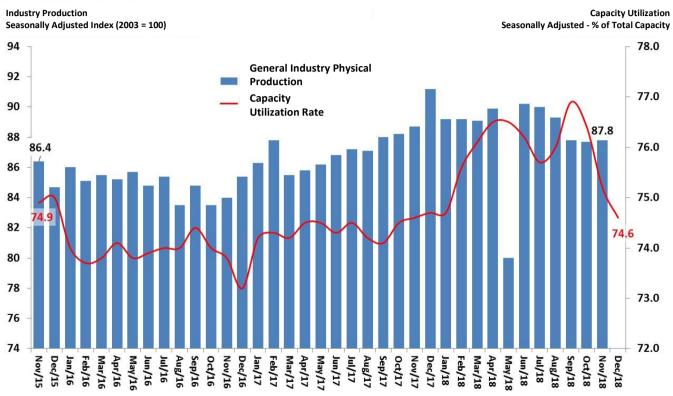
Sources: Central Bank of Brazil and IBGE/MP: Systematic Survey of Agricultural Production (LSPA), Monthly Survey of Industry (PIM), Monthly Survey of Trade (PMC), and Monthly Survey of Services (PMS).

## **Major Monthly Economic Activity Indicators**



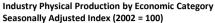
Sources: Central Bank of Brazil and IBGE/MP: Systematic Survey of Agricultural Production (LSPA), Monthly Survey of Industry (PIM), Monthly Survey of Trade (PMC), and Monthly Survey of Services (PMS).

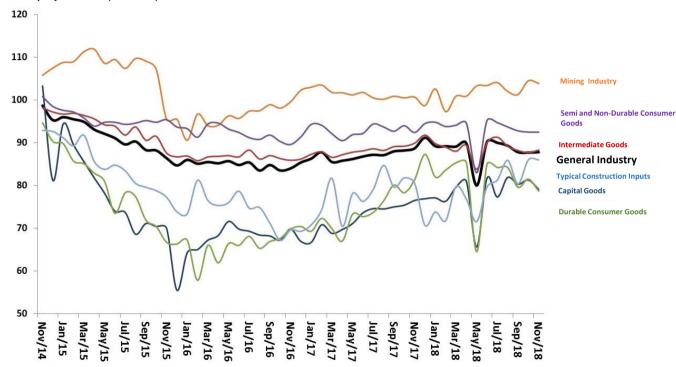
#### **Industrial Production and Capacity Utilization**



Sources: Central Bank of Brazil and IBGE/MP: Systematic Survey of Agricultural Production (LSPA), Monthly Survey of Industry (PIM), Monthly Survey of Trade (PMC), and Monthly Survey of Services (PMS).

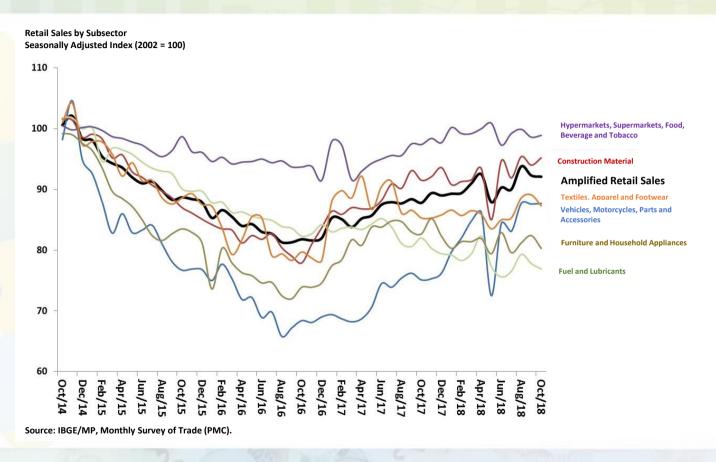
# **Total Industrial Production and Economic Categories**



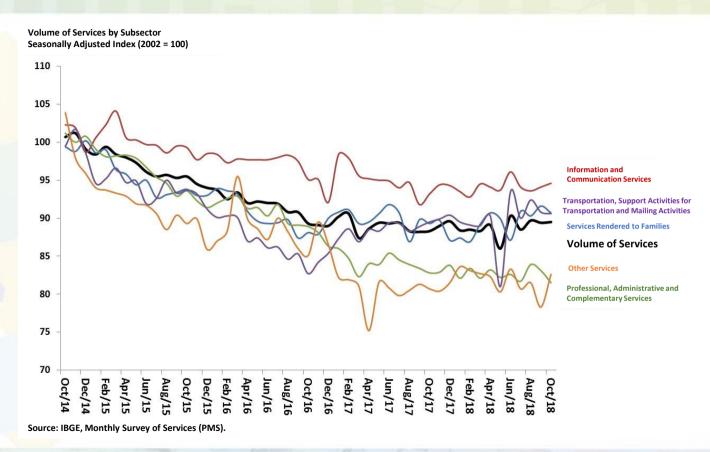


Source: IBGE/MP, Monthly Survey of Industry (PIM).

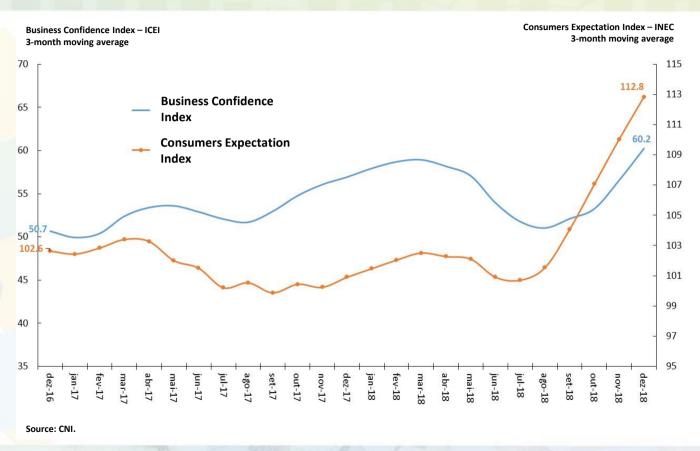
#### **Total Retail Sales and Subsectors**



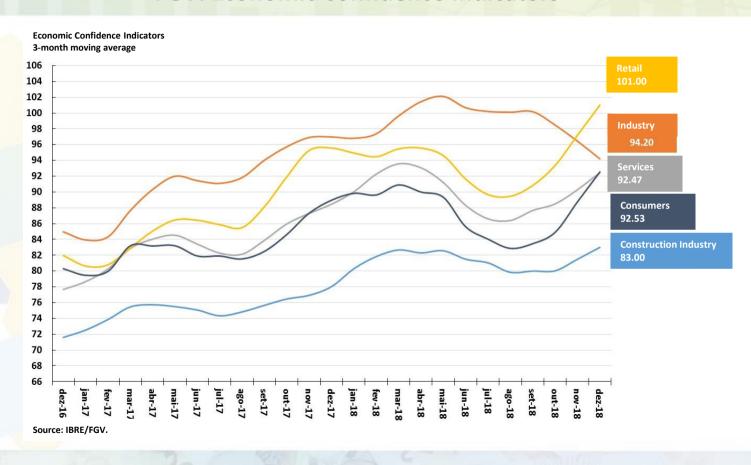
#### **Total Services and Subsectors**



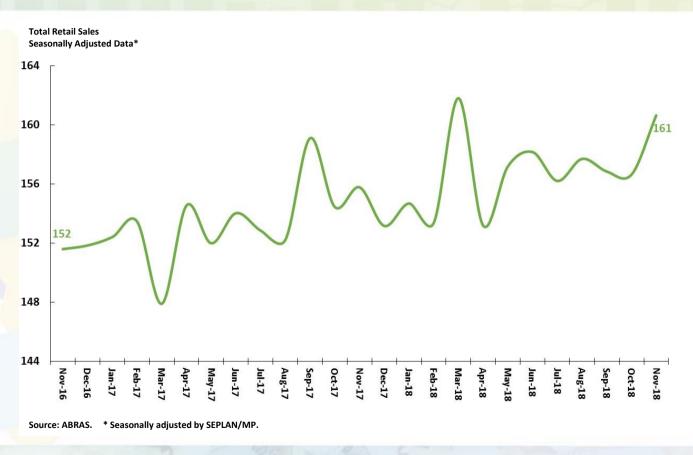
# **CNI: Business Confidence and Consumers Expectation Indexes**



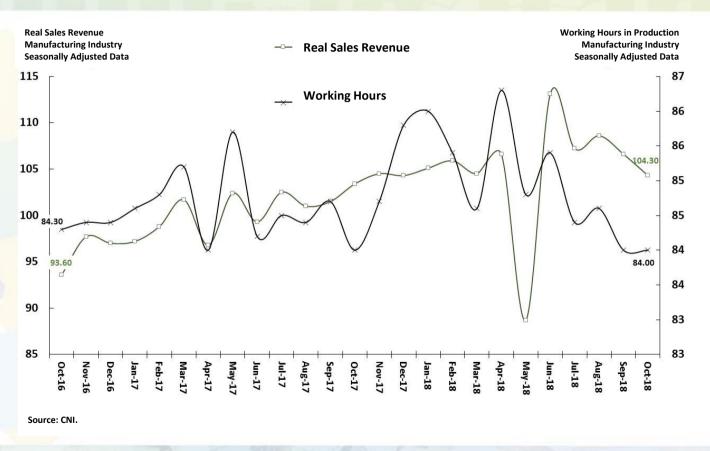
#### **FGV: Economic Confidence Indicators**



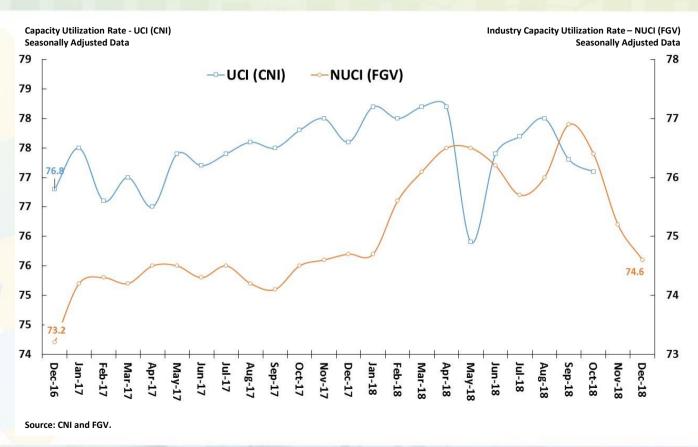
## **ABRAS: Supermarket Sector Total Retail Sales**



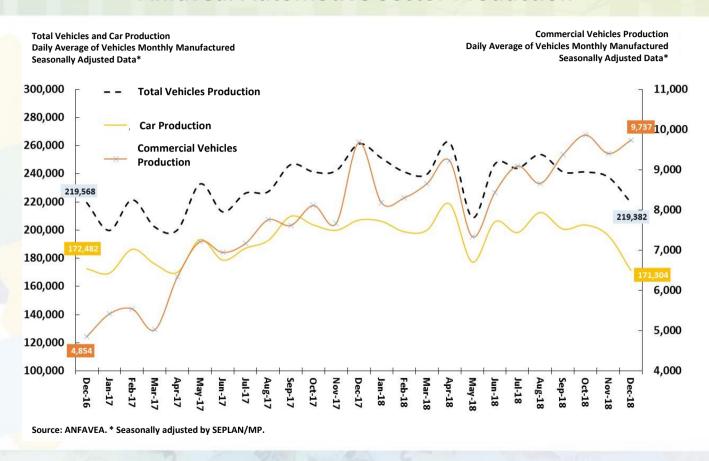
## **CNI: Industry Real Sales Revenues and Working Hours**



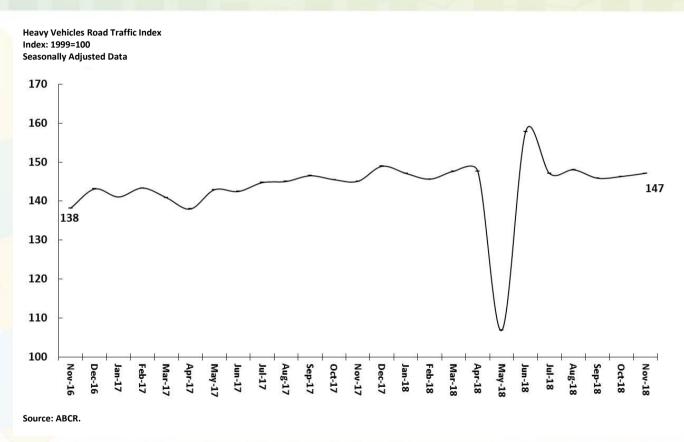
## **Capacity Utilization Rate**



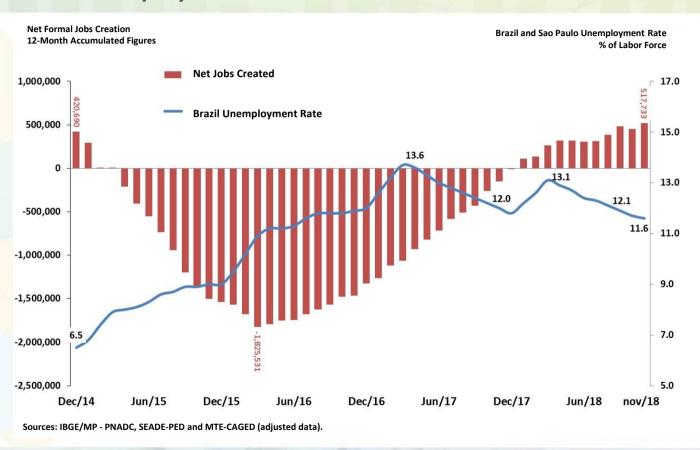
#### **Anfavea: Automotive Sector Production**



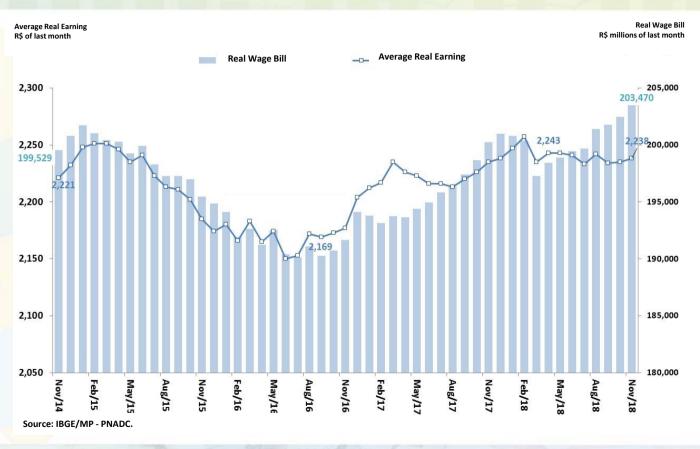
# **ABCR: Heavy Vehicles Road Traffic Index**



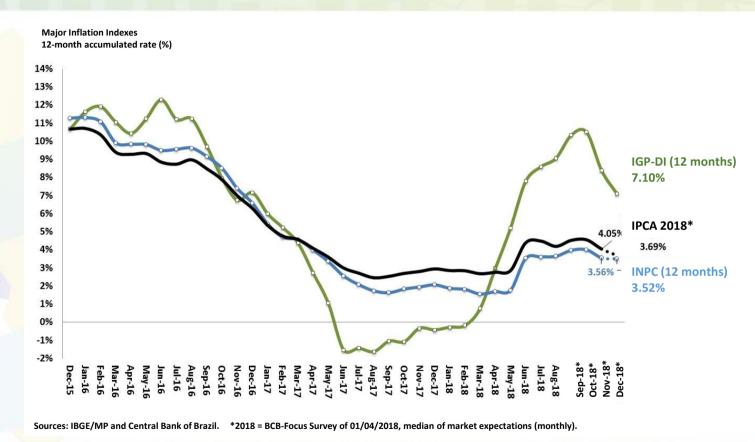
#### **Unemployment Rate and Net Formal Job Creation**



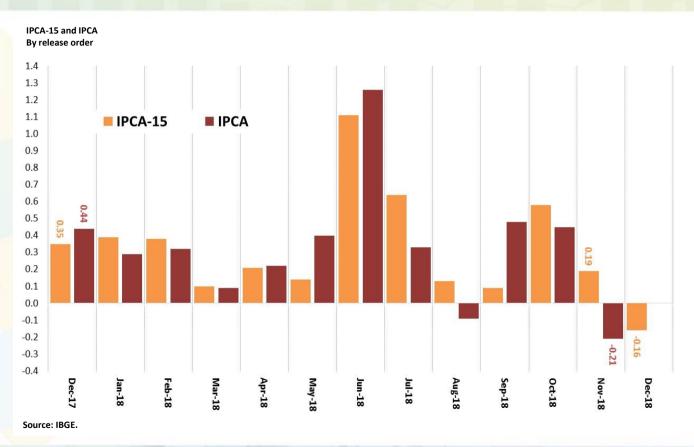
# Real Wage Bill and Average Real Earning



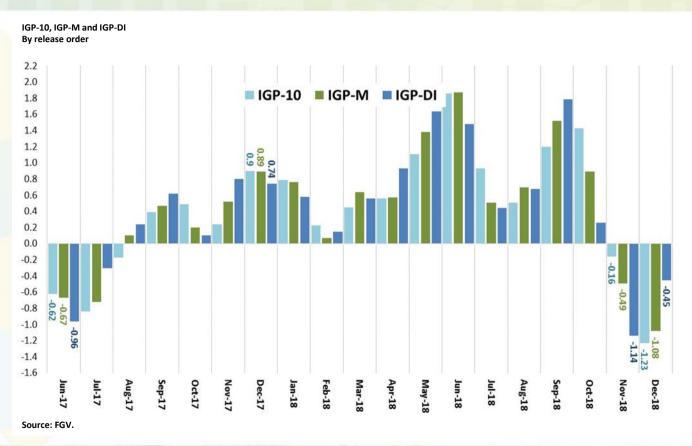
#### **Major Inflation Indexes**



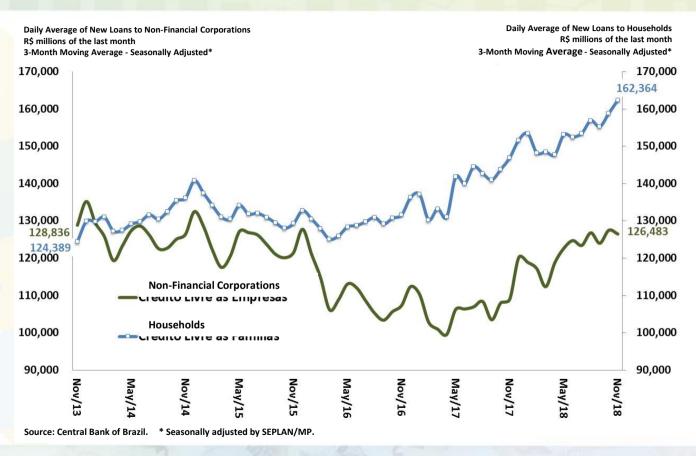
# **IBGE: Monthly Consumer Price Indexes**



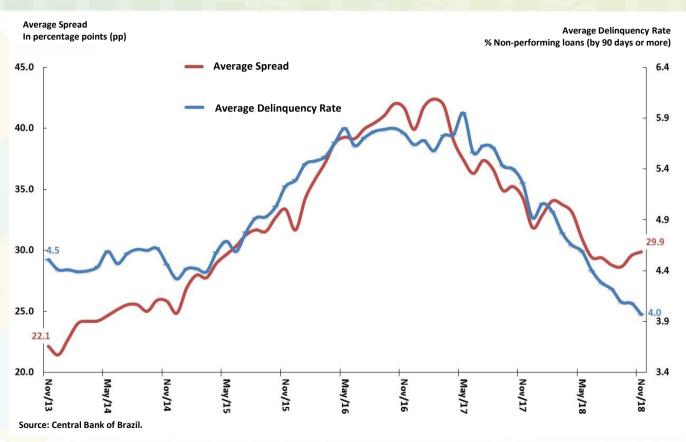
# **FGV: Monthly General Price Indexes**



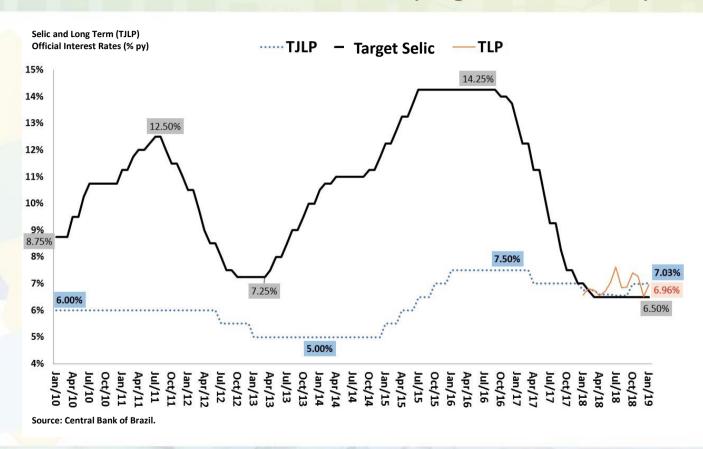
#### **New Loans to Households and Non-Financial Corporations**



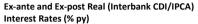
## Non-earmarked Resources: Spread and Delinquency Rates

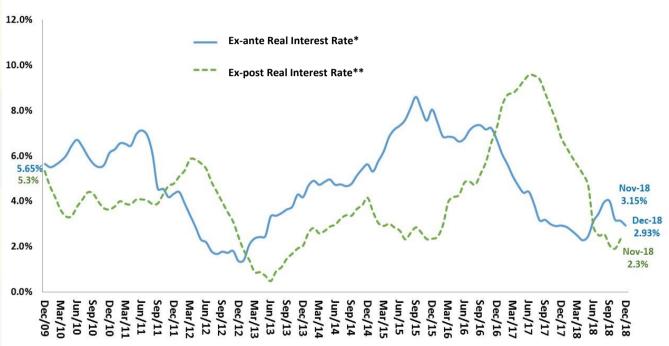


#### Official Interest Rates Evolution (Target Selic and TJLP)



#### **Ex-ante and Ex-post Real Interest Rates**



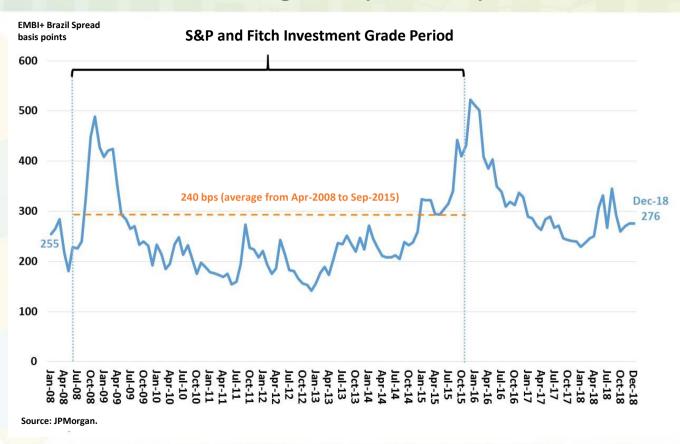


Source: Central Bank of Brazil.

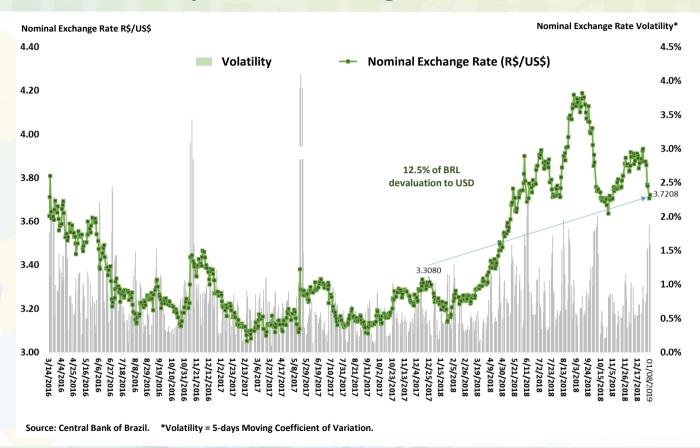
<sup>\*</sup> Ex-ante Real Interest Rate = Expected Interbank CDI/IPCA ratio, considering 360-days Swap DI-Pre rate and IPCA median of BCB-Focus Survey.

<sup>\*\*</sup> Ex-post Real Interest Rate = Observed 12-months accumulated CDI/IPCA ratio.

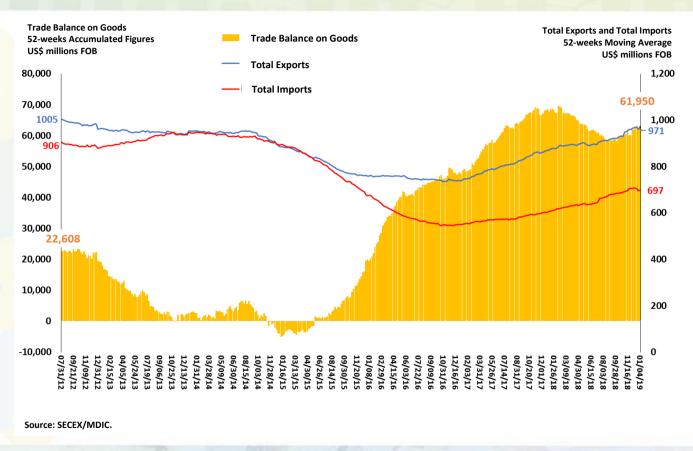
### Sovereign Risk (EMBI+ BR)



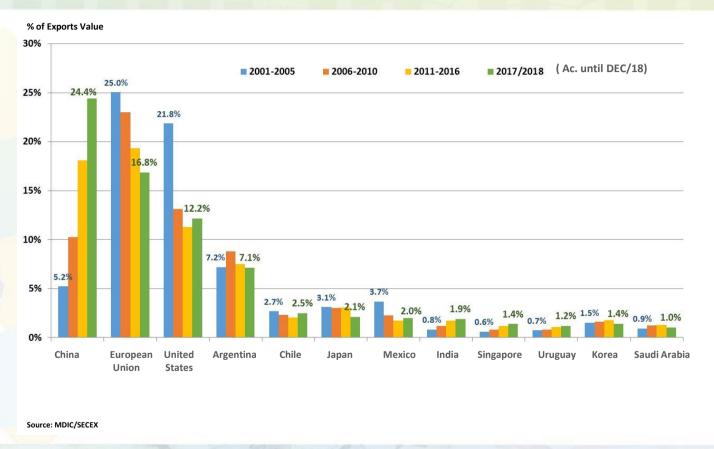
### Daily Nominal Exchange Rate R\$/US\$



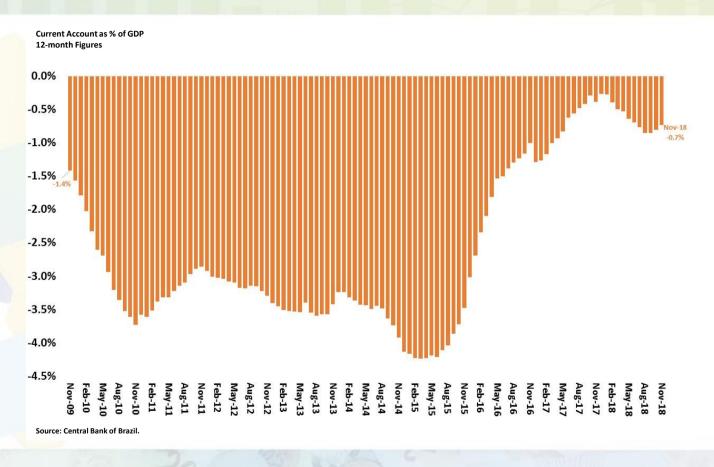
# Trade Balance on Goods (52 weeks daily average)



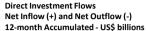
# **Brazilian Exports Evolution by Country of Destination**

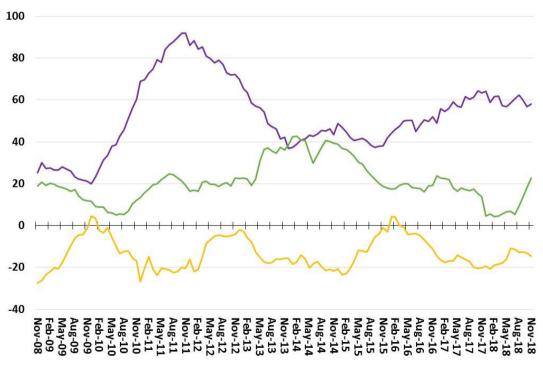


#### **Current Account Deficit as % of GDP**



# **Direct Investments and Components**





**FDI** – Equity Participation

58.0

FDI – Intercompany Operations

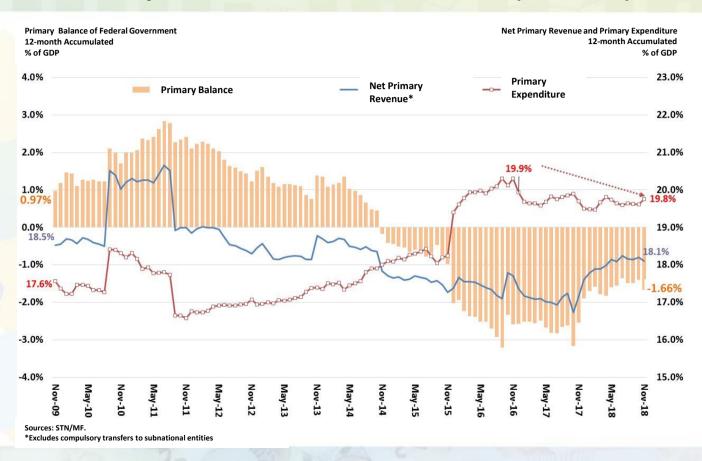
22.7

Direct Investments Abroad

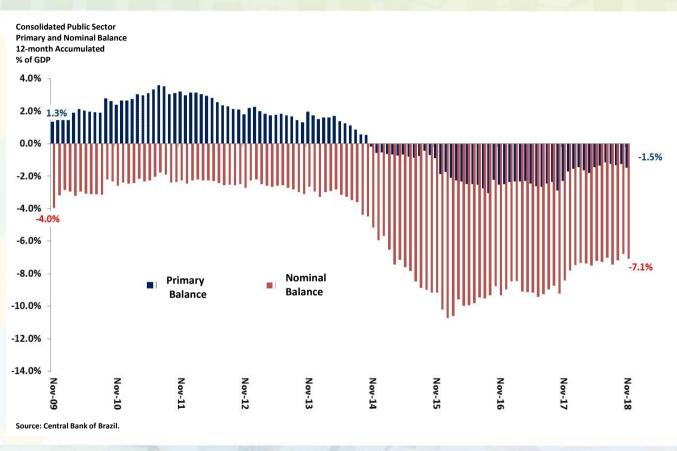
-14.6

Source: Central Bank of Brazil.

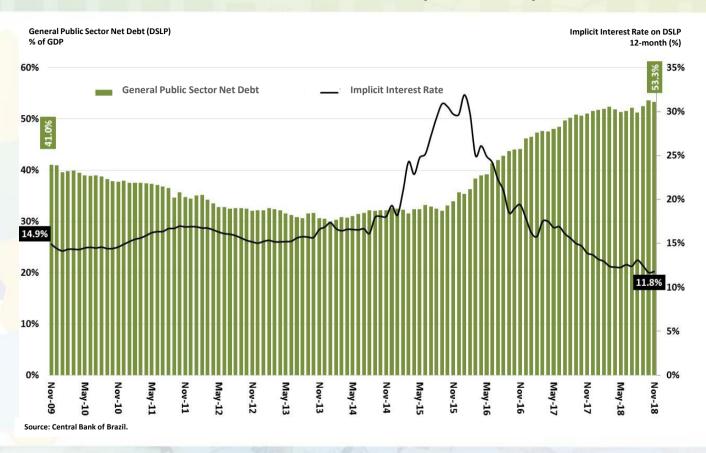
# **Primary Balance of Federal Government (as % GDP)**



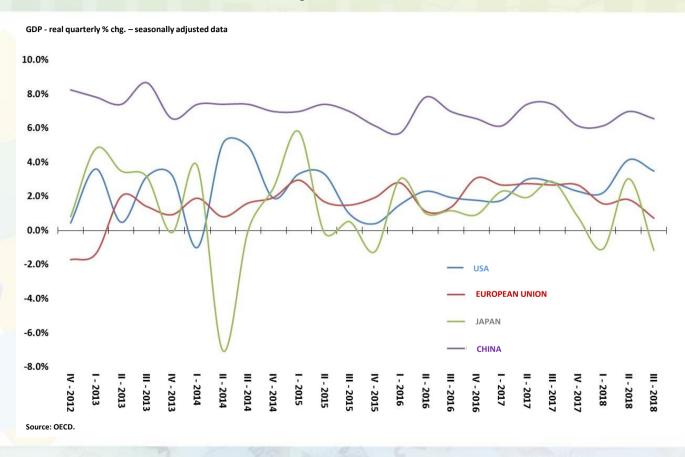
# **Public Sector Primary and Nominal Balance**

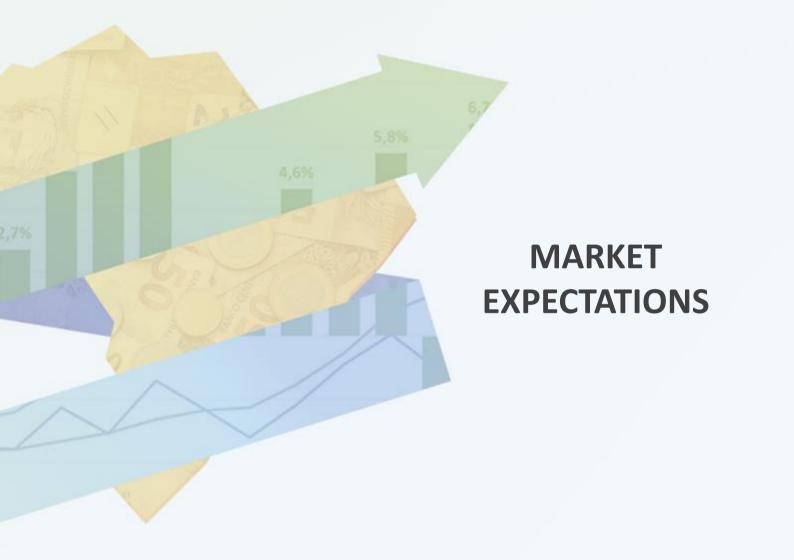


# **Public Sector Net Debt (as % GDP)**

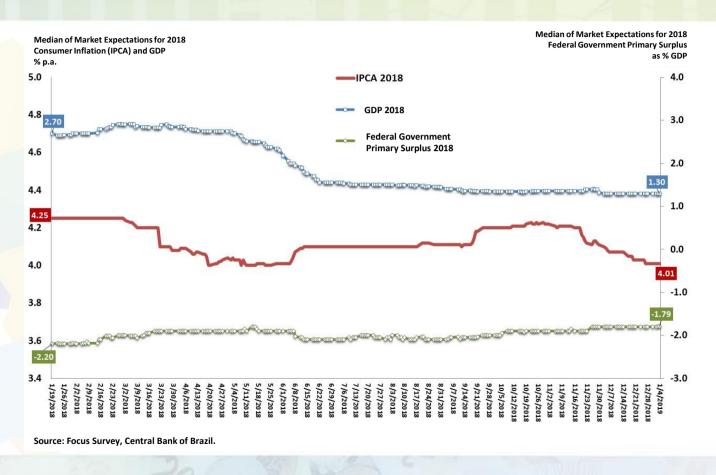


# **World Major Economies GDP**

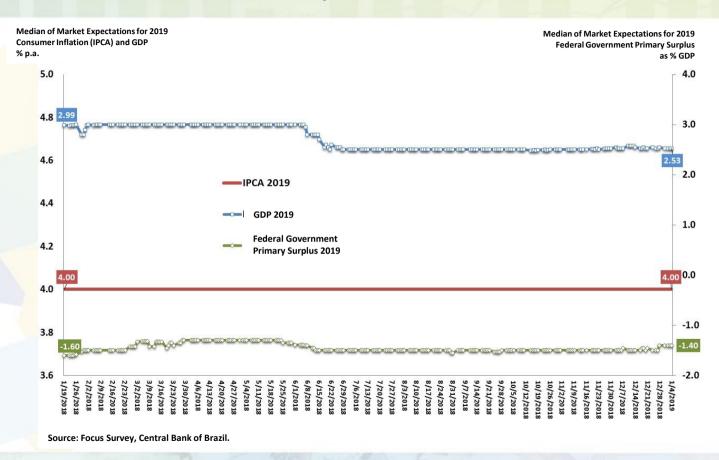




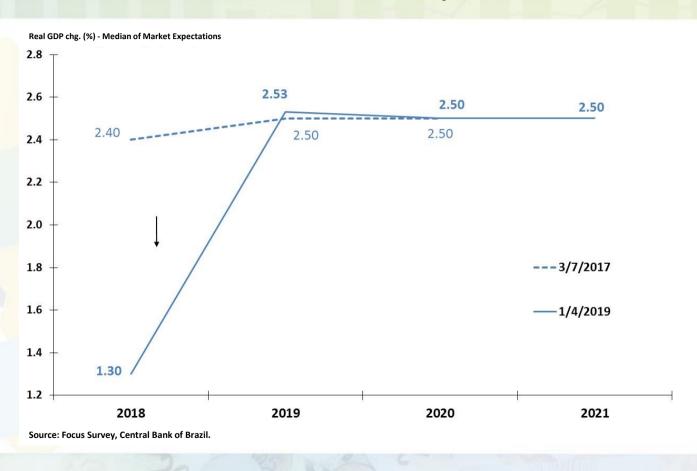
# **Market Expectations for 2018**



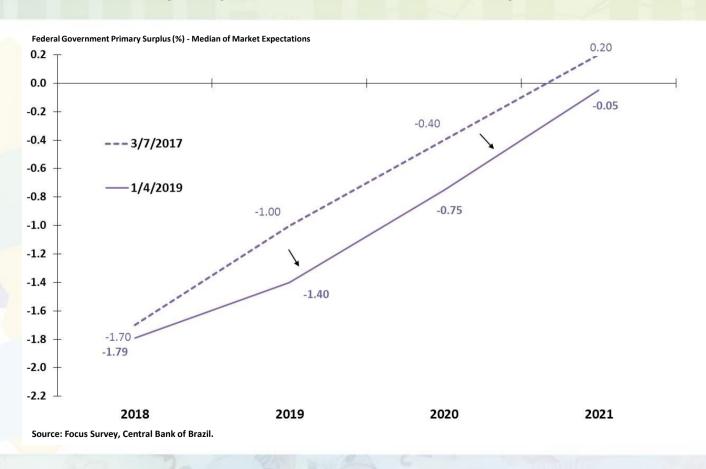
# **Market Expectations for 2019**



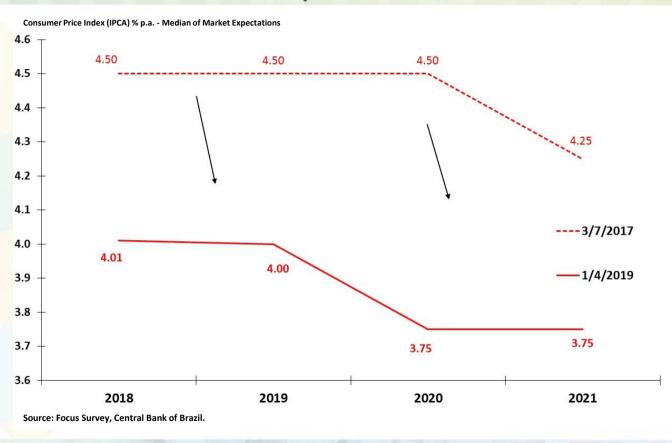
# **GDP: Median of Market Expectations**



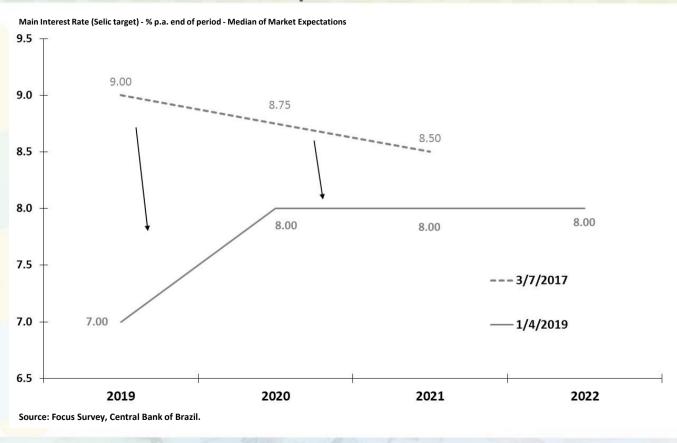
# **Primary Surplus: Median of Market Expectations**



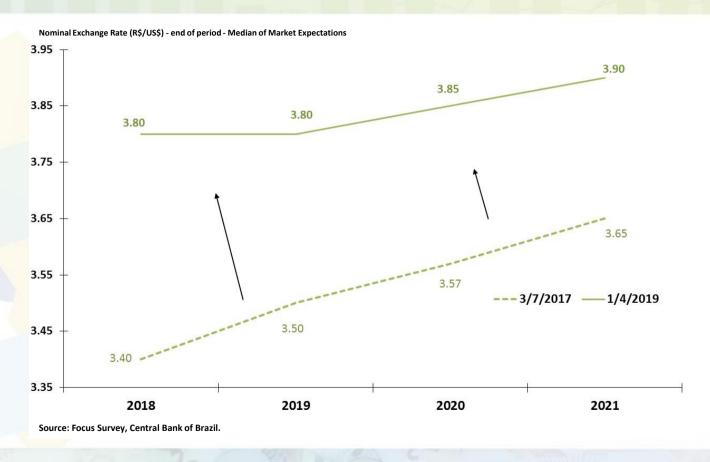
# Consumer Price Index (IPCA): Median of Market Expectations



# Main Interest Rate (Selic target): Median of Market Expectations



# **Nominal Exchange Rate: Median of Market Expectations**

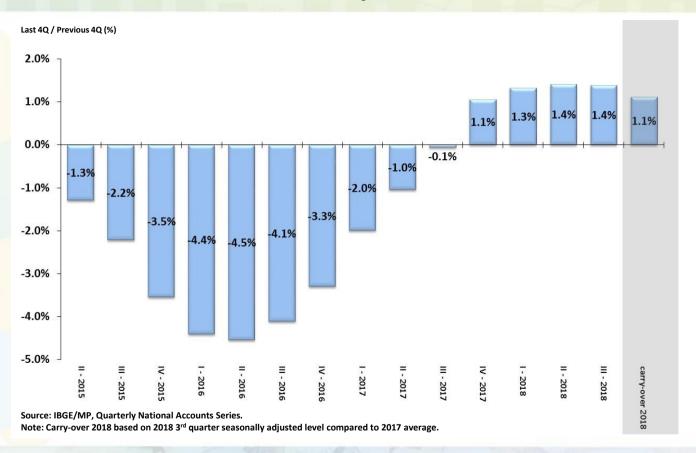




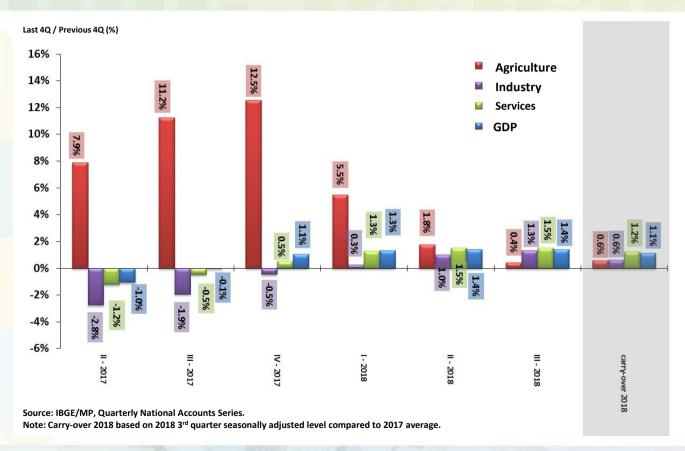
# **GDP and Quarterly Economic Activity**

											BCB/Focus:	01/04/2019	
Gross Domestic Product (IBGE)	Q3 2018 %change	2017	Q2-2018 / Q2-2017	Q3-2018 / Q3-2017	Q2-2018 / Q1- 2018 (seasonally adjusted)	Q3-2018 / Q2- 2018 (seasonally adjusted)	Year-To- Date	Q2-2018 accum. in 4-quarters	Q3-2018 accum. in 4-quarters	carry-over 2018	2018	2019	2020
Agriculture		12.5%	0.3%	2.5%	0.5%	0.7%	-0.3%	1.8%	0.4%	0.6%	0.22%	2.57%	3.00%
Industry		-0.5%	0.8%	0.8%	-0.3%	0.4%	0.9%	1.0%	1.3%	0.6%	1.12%	2.80%	3.08%
Services		0.5%	1.1%	1.2%	0.3%	0.5%	1.4%	1.5%	1.5%	1.2%	1.39%	1.39%	1.39%
GDP (market prices)		1.1%	0.9%	1.3%	0.2%	0.8%	1.1%	1.4%	1.4%	1.1%	1.30%	2.53%	2.50%
Household Expenditure		1.4%	1.8%	1.4%	0.1%	0.6%	2.0%	2.6%	2.3%	1.8%			
Government Expenditure		-0.9%	-0.3%	0.3%	-0.4%	0.3%	0.3%	-0.1%	0.2%	0.1%			
Gross Fixed Capital Formation		-2.5%	3.0%	7.8%	-1.3%	6.6%	4.5%	2.0%	4.3%	4.9%			
Exports of Goods and Services		5.2%	-2.9%	2.6%	-5.1%	6.7%	1.5%	4.6%	3.3%	1.8%			
Imports of Goods and Services (-)		5.0%	6.5%	13.5%	-1.2%	10.2%	9.4%	7.0%	9.1%	9.9%			
Economic Activity Indicators (BCB and IBGE)	Q3 2018 %change	2017	Q2-2018 / Q2-2017	Q3-2018 / Q3-2017	Q2-2018 / Q1- 2018 (seasonally adjusted)	Q3-2018 / Q2- 2018 (seasonally adjusted)	Year-To- Date		Q3-2018 accum. in 4-quarters	carry-over 2018			
BC-Br Economic Activity Index*		-0.3%	-4.1%	-4.0%	1.1%	1.0%	1.9%	-0.7%	1.8%	1.2%			
LSPA: Grain Harvest		3.7%	8.2%	-12.2%	21.4%	1.0%	-3.7%	-5.7%	0.5%	-5.3%			
PIM: Industrial Production		-3.0%	-8.2%	-6.4%	2.6%	1.7%	1.2%	-2.8%	2.7%	1.9%			
PMC: Amplified Retail Sales		-1.7%	-8.6%	-8.7%	4.0%	4.7%	4.0%	0.4%	2.0%	5.2%			
PMS: Volume of Services		2.6%	-3.6%	-5.0%	-2.8%	-3.0%	0.7%	0.3%	0.6%	-1.3%			

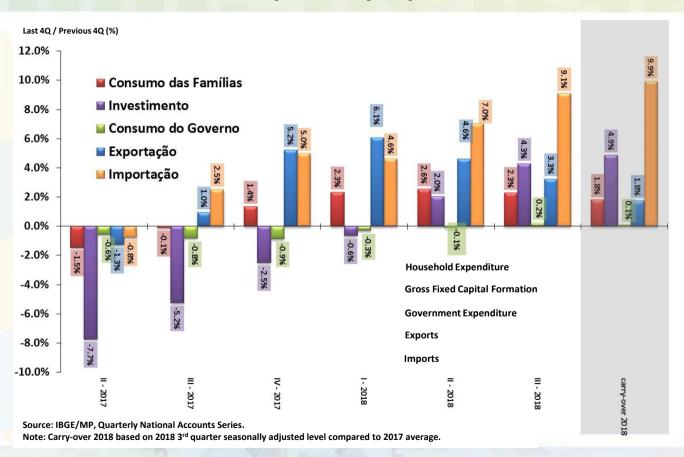
# **Quarterly GDP**



# **Quarterly GDP by Activity Sector**

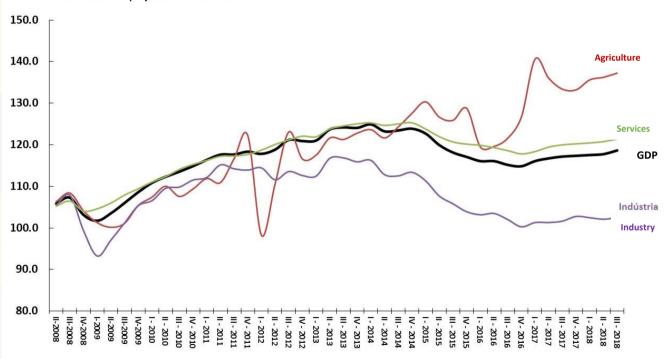


# **Quarterly GDP by Expenditure**



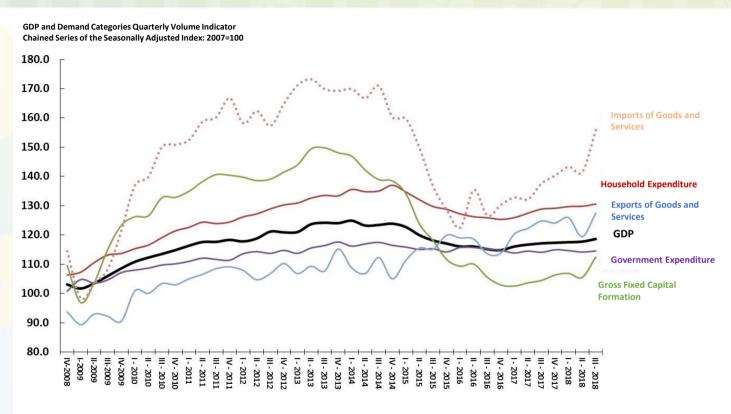
# **Quarterly GDP by Activity Sector**

GDP and Economic Sectors Quarterly Volume Indicator Chained Series of the Seasonally Adjusted Index: 2007=100



Source: IBGE/MP, Quarterly National Accounts Series.

# **Quarterly GDP by Expenditure**



Source: IBGE/MP, Quarterly National Accounts Series.

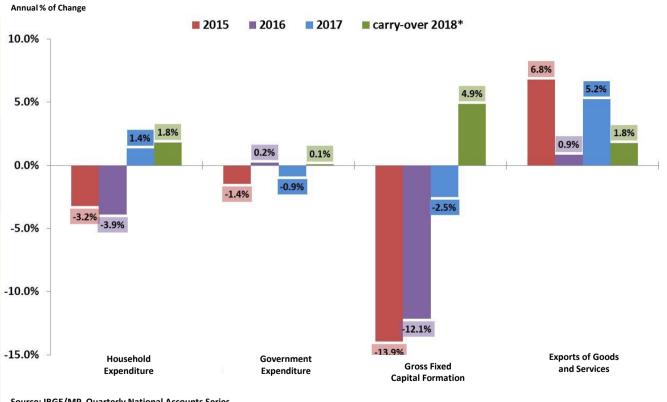
# **Annual GDP Real Growth by Activity Sector**



Source: IBGE/MP, Quarterly National Accounts Series.

Note: Carry-over 2018 based on 2018 3<sup>rd</sup> quarter seasonally adjusted level compared to 2017 average.

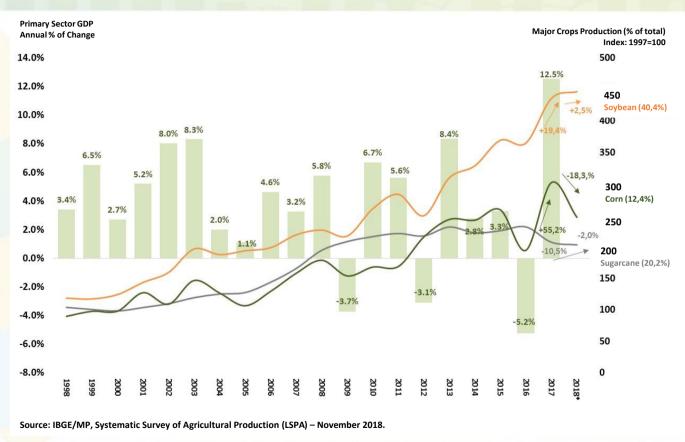
# **Annual GDP Real Growth by Expenditure**



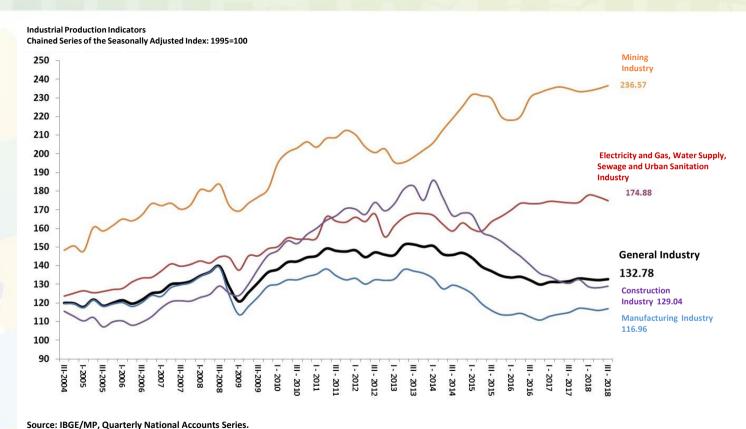
Source: IBGE/MP, Quarterly National Accounts Series.

Note: Carry-over 2018 based on 2018 3rd quarter seasonally adjusted level compared to 2017 average.

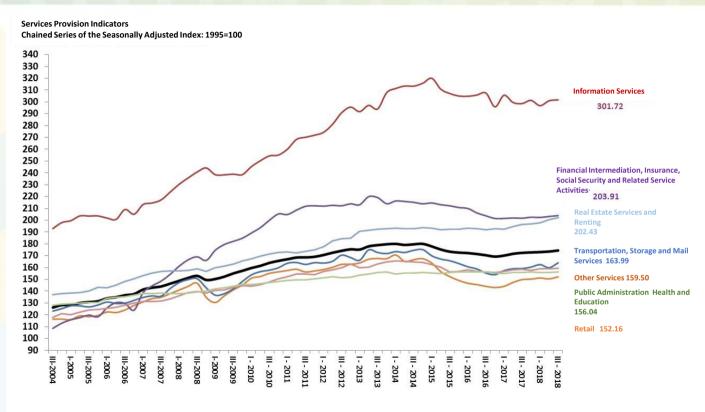
# **Primary Sector Performance by Major Crops**



# **Industry Performance by Subsectors**



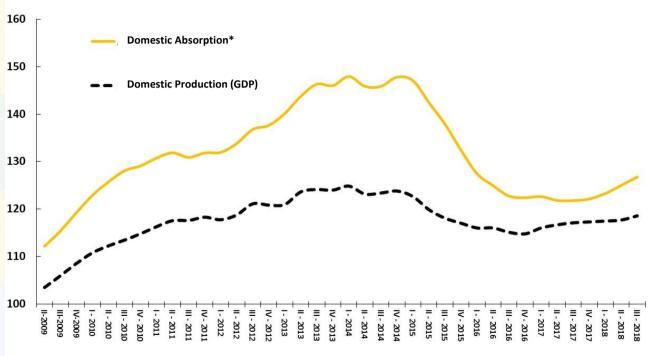
# **Services Performance by Subsectors**



Source: IBGE/MP, Quarterly National Accounts Series.

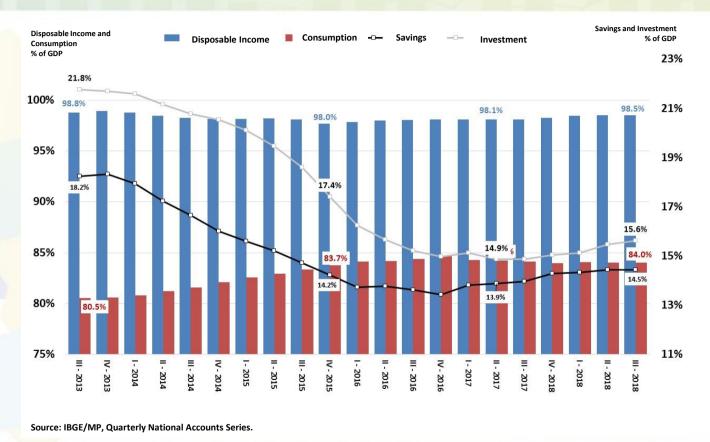
# **Domestic Production and Absorption**

Domestic Volume and Absorption\* Quarterly Volume Indicator Chained Series of the Seasonally Adjusted Index: 2007=100

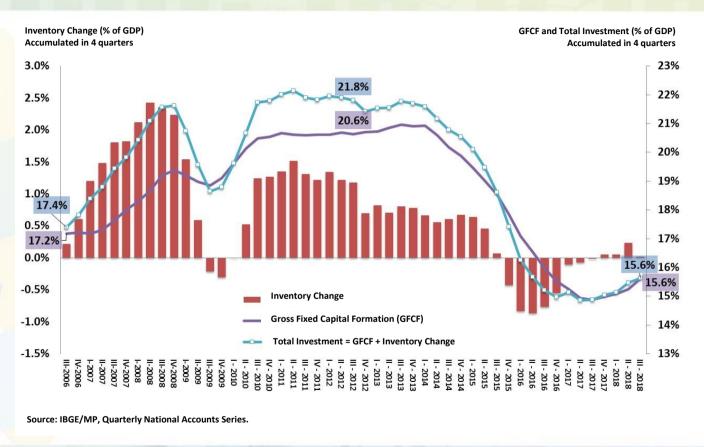


Source: IBGE/MP, Quarterly National Accounts Series. \* Domestic Absorption = GDP – Exports of Goods and Services + Imports of Goods and Services.

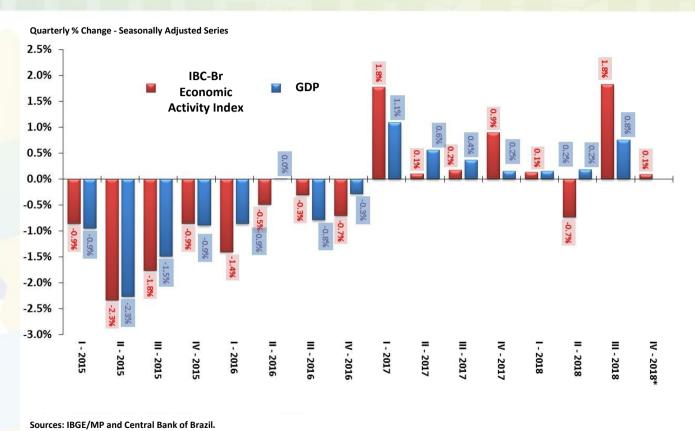
# Disposable Income, Consumption, Savings and Investment



# **Inventory Change and Gross Fixed Capital Formation**



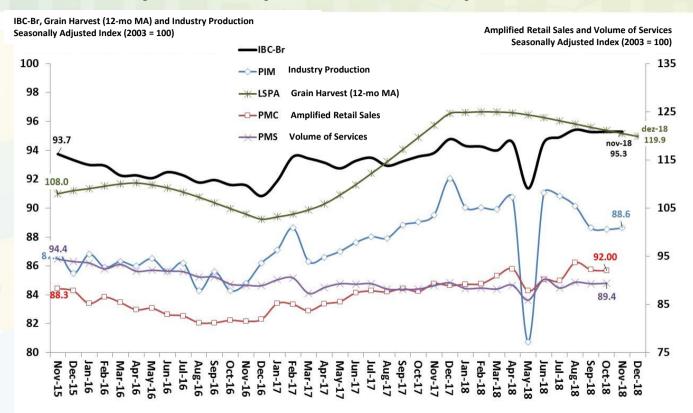
# Quarterly GDP Growth and IBC-Br Economic Activity Index



# **Monthly Economic Activity**

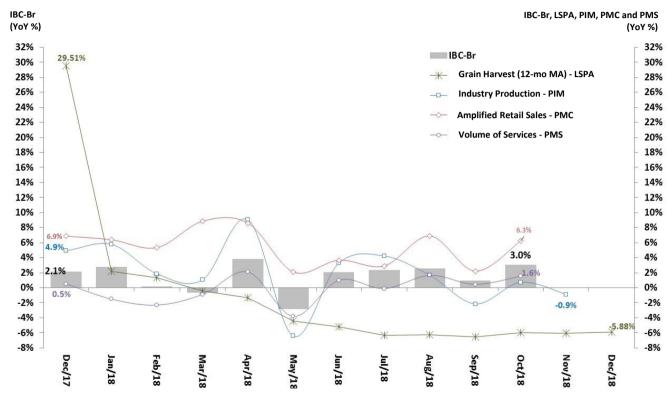
BC-Br Economic Activity Index	October-18 %change	2016	2017	Sep/18- Sep/17	Oct/18- Oct/17	Sep/18 - Aug/18 (seasonally adjusted)	Oct/18 - Sep/18 (seasonally adjusted)	Year-To-Date	Sep/18 accum. in 12-months	Oct/18 accum. in 12- months	carry-over 2018
BC-Br Economic Activity Index		-4.0%	1.07%	0.9%	3.0%	-0.2%	0.0%	1.4%	1.5%	1.5%	1.3%
Systematic Survey of Agricultural Production (IBGE)	December-18 %change	2016	2017	Nov/18- Nov/17	Dec/18- Dec/17	Nov/18 - Oct/18 (seasonally adjusted)	Dec/18 - Nov/18 (seasonally adjusted)	Year-To-Date	Nov/18 accum. in 12-months	Dec/18 accum. in 12-months	carry-over 2018
Grain Harvest		-11.3%	21.4%	-6.0%	-5.9%	0.1%	-0.4%	-5.9%	-6.0%	-5.9%	-3.8%
ndustry Production (IBGE)	November-18 %change	2016	2017	Oct/18- Oct/17	Nov/18- Nov/17	Oct/18 - Sep/18 (seasonally adjusted)	Nov/18 - Oct/18 (seasonally adjusted)	Year-To-Date	Oct/18 accum. in 12 months	Nov/18 accum. in 12-months	carry-over 2018
General Industry		-6.4%	2.6%	0.7%	-0.9%	-0.1%	0.1%	1.5%	2.2%	1.8%	0.9%
Mining Industry (weight 11,2%)		-9.4%	4.5%	3.9%	3.3%	3.2%	-0.6%	0.9%	0.3%	0.5%	1.1%
Manufacturing Industry (weight 88,8%)		-6.0%	2.3%	0.4%	-1.5%	-0.1%	0.0%	1.6%	2.6%	2.0%	1.1%
Food (weight 13,9%)		0.5%	1.2%	-9.6%	-5.1%	-3.9%	5.9%	-4.7%	-3.5%	-4.1%	-5.3%
Petroleum refinement and alcohol production (weight 10,3%	6)	-8.5%	-4.2%	-2.6%	-1.9%	-1.7%	0.5%	1.1%	1.3%	1.0%	0.8%
Motor vehicles (weight 10,1%)		-12.1%	17.8%	11.9%	2.2%	2.8%	-4.2%	14.5%	16.8%	15.2%	12.7%
Capital Goods		-10.2%	6.6%	10.8%	3.4%	1.2%	-2.7%	8.2%	8.8%	8.3%	7.6%
Intermediate Goods		-6.5%	1.7%	-0.6%	-1.4%	-0.6%	0.7%	0.6%	1.4%	0.9%	0.1%
Durable Consumer Goods		-14.4%	13.2%	6.7%	-3.4%	2.4%	-3.4%	9.5%	12.0%	10.3%	7.9%
Semi and Non-Durable Consumer Goods		-3.2%	0.9%	-0.1%	-0.2%	-0.3%	0.0%	0.0%	0.3%	0.1%	-0.2%
Typical Construction Inputs		-11.6%	-3.2%	0.9%	5.1%	-6.4%	7.0%	1.4%	2.0%	2.1%	3.3%
Retail Sales (IBGE)	October-18 %change	2016	2017	Sep/18- Sep/17	Oct/18- Oct/17	Sep/18 - Aug/18 (seasonally adjusted)	Oct/18 - Sep/18 (seasonally adjusted)	Year-To-Date	Sep/18 accum. in 12-months	Oct/18 accum. in 12- months	carry-over 2018
Retail Sales		-6.3%	2.1%	0.2%	2.0%	-1.3%	-0.4%	2.3%	2.8%	2.8%	1.8%
Amplified Retail Sales		-8.7%	4.0%	2.2%	6.3%	-1.6%	-0.2%	5.3%	5.8%	5.7%	4.8%
Vehicles, Motorcycles, Parts and Accessories		-14.0%	2.7%	11.1%	20.2%	-0.1%	0.1%	16.2%	14.1%	14.7%	15.9%
Construction Material		-10.7%	9.1%	-1.6%	6.6%	-1.5%	1.3%	4.2%	6.3%	5.4%	3.8%
Fuel and Lubricants		-9.2%	-3.3%	-4.5%	-5.7%	-1.9%	-4.5%	-5.7%	-5.2%	-5.6%	-5.5%
Hypermarkets, Supermarkets, Food, Beverage and Tobacco		-3.1%	1.5%	0.4%	2.2%	-1.3%	-3.9%	4.1%	4.4%	4.4%	3.5%
Textiles, Apparel and Footwear		-10.9%	7.6%	1.2%	4.1%	0.6%	-9.0%	-2.3%	0.0%	0.0%	-1.7%
Furniture and Household Appliances		-12.6%	9.5%	-2.2%	-1.9%	1.5%	-4.9%	-1.1%	2.3%	1.4%	-1.7%
/olume of Services (IBGE)	October-18 %change	2016	2017	Sep/18- Sep/17	Oct/18- Oct/17	Sep/18 - Aug/18 (seasonally adjusted)	Oct/18 - Sep/18 (seasonally adjusted)	Year-To-Date	Sep/18 accum. in 12-months	Oct/18 accum. in 12- months	carry-over 2018
Volume of Services		-5.0%	-2.8%	0.4%	1.6%	-0.3%	0.1%	-0.2%	-0.3%	-0.1%	-0.1%
Services Rendered to Families		-4.4%	-1.1%	0.6%	2.0%	1.4%	-1.0%	-0.5%	-0.7%	-0.6%	0.0%
Information and Communication Services		-3.2%	-2.0%	2.5%	1.4%	0.5%	0.5%	-0.9%	-0.9%	-0.6%	-0.8%
Professional, Administrative and Complementary Services		-5.5%	-7.3%	-2.2%	-0.2%	-1.0%	-1.9%	-1.7%	-2.8%	-2.3%	-1.9%
Transportation, Support Activities for Transportation and Mailir	g Activities	-7.6%	2.2%	1.1%	2.3%	-1.7%	-0.2%	1.4%	2.6%	2.1%	1.1%
Other Services	• • • • • •	-2.8%	-8.9%	-4.0%	2.5%	-3.9%	5.5%	1.6%	-0.8%	-0.1%	1.7%

## **Major Monthly Economic Activity Indicators**



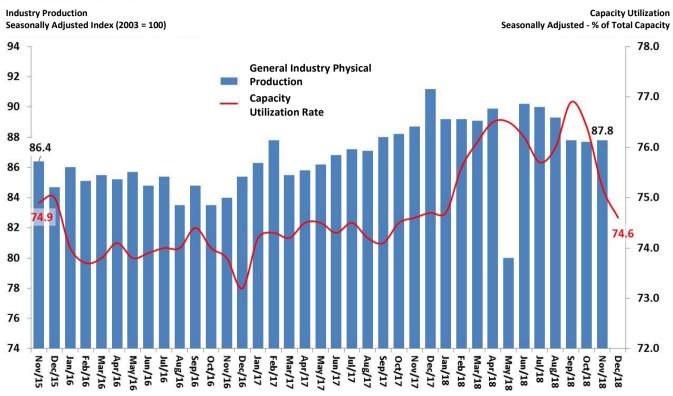
Sources: Central Bank of Brazil and IBGE/MP: Systematic Survey of Agricultural Production (LSPA), Monthly Survey of Industry (PIM), Monthly Survey of Trade (PMC), and Monthly Survey of Services (PMS).

# **Major Monthly Economic Activity Indicators**



Sources: Central Bank of Brazil and IBGE/MP: Systematic Survey of Agricultural Production (LSPA), Monthly Survey of Industry (PIM), Monthly Survey of Trade (PMC), and Monthly Survey of Services (PMS).

#### **Industrial Production and Capacity Utilization**

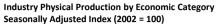


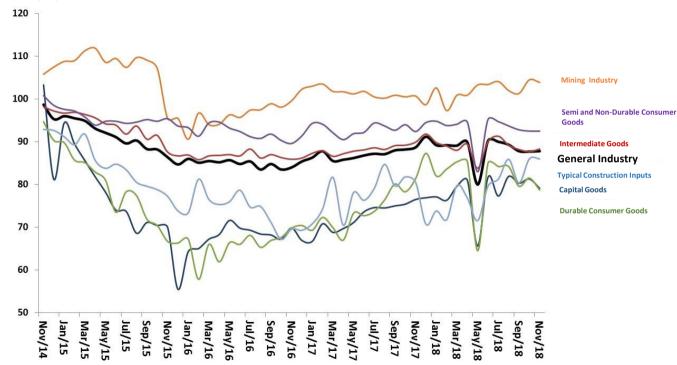
Sources: Central Bank of Brazil and IBGE/MP: Systematic Survey of Agricultural Production (LSPA), Monthly Survey of Industry (PIM), Monthly Survey of Trade (PMC), and Monthly Survey of Services (PMS).

# **Total Industrial Production and Economic Categories**



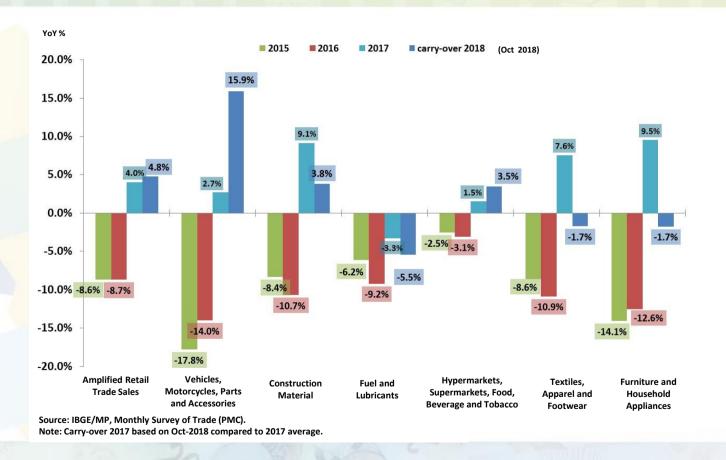
# **Total Industrial Production and Economic Categories**



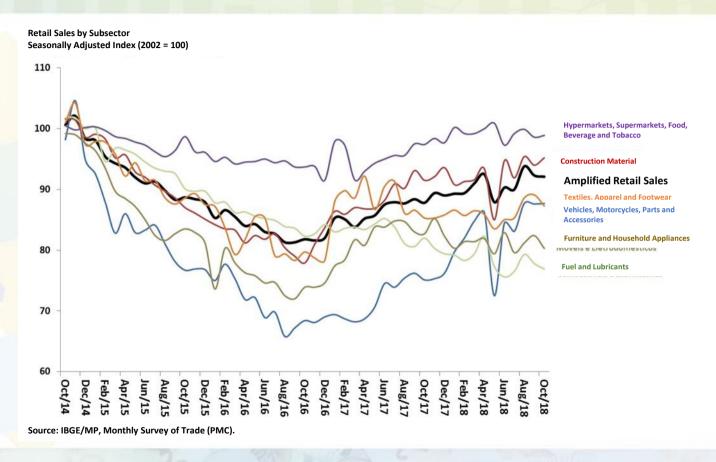


Source: IBGE/MP, Monthly Survey of Industry (PIM).

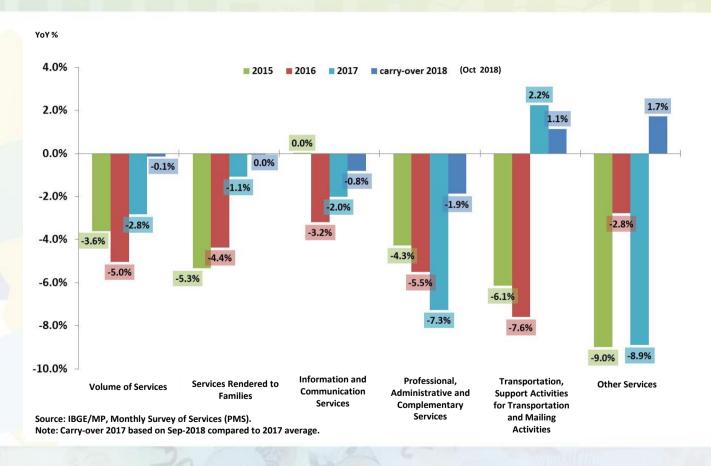
#### **Total Retail Sales and Subsectors**



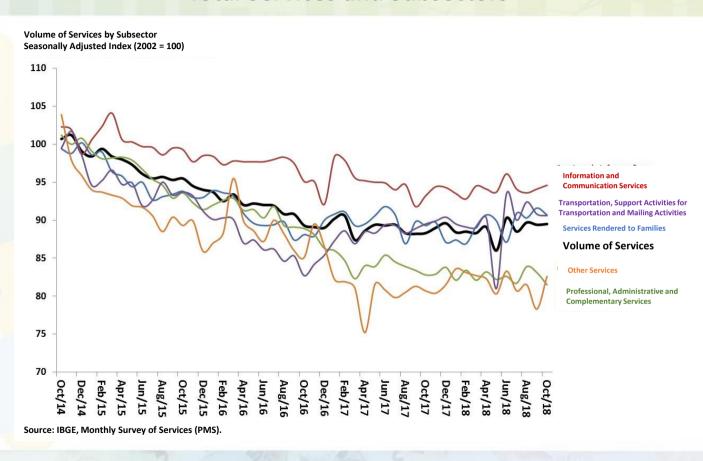
#### **Total Retail Sales and Subsectors**



#### **Volume of Services and Subsectors**



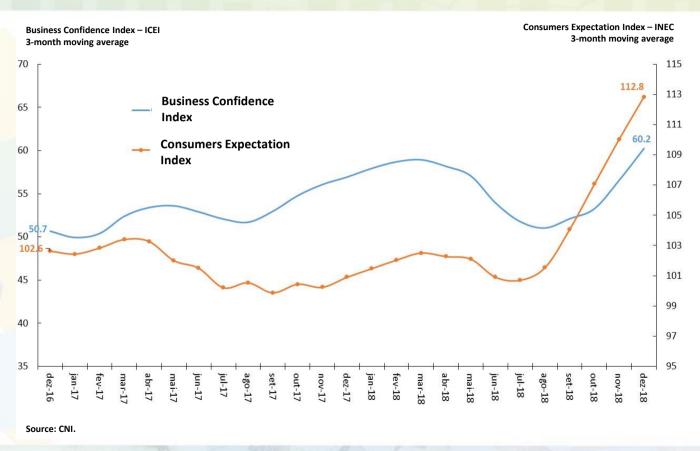
#### **Total Services and Subsectors**



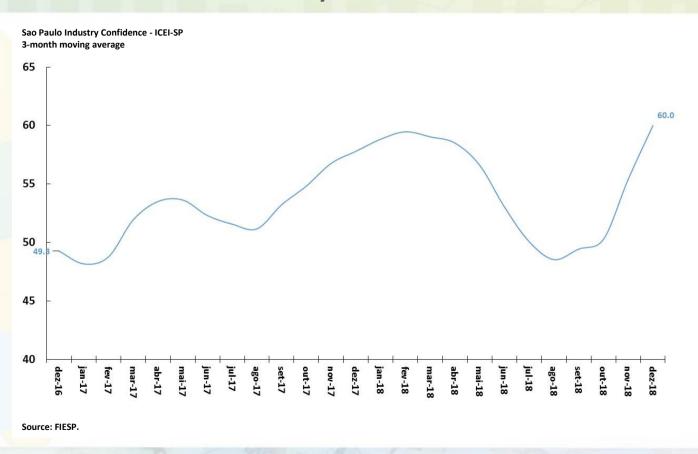
# **Other Monthly Economic Activity Indicators**

	O	October-18 %change	2017	Sep/18- Sep/17	Oct/18- Oct/17	Sep/18 - Aug/18 (seasonally adjusted)	Oct/18 - Sep/18 (seasonally adjusted)	Year-To-Date	Sep/18 accum. in 12-months	Oct/18 accum. in 12-months	carry-over 2018
Industry Indicators (CNI)											
Real Sales Revenue			-0.1%	3.0%	2.4%	-1.8%	-2.2%	4.8%	5.6%	4.8%	3.8%
Working Hours in Production			-2.1%	-1.9%	1.1%	-0.7%	0.0%	0.5%	0.4%	0.4%	0.1%
Capacity Utilization - UCI	effecitve level:	78.5	0.4%	-0.3%	-0.9%	-0.9%	-0.3%	0.5%	0.9%	0.7%	0.2%
Natural Gas and Oil Production (ANP)			4.4%	-6.7%	-0.8%	-2.2%	5.6%	-1.8%	-1.8%	-1.9%	-1.3%
	Nov	vember-18 %change	2017	Oct/18- Oct/17	Nov/18- Nov/17	Oct/18 - Sep/18 (seasonally adjusted)	Nov/18 - Oct/18 (seasonally adjusted)	Year-To-Date	Oct/18 accum. in 12-months	Nov/18 accum. in 12-months	carry-over 2018
Industry Inventories (CNI) - Final Goods - planned x realized	effecitve level:	50.2	1.0%	1.8%	0.8%	-0.6%	1.0%	0.9%	1.0%	1.0%	1.0%
Supermarket Sector Total Retail Sales (ABRAS)			1.3%	1.6%	3.3%	-0.1%	2.6%	2.3%	2.3%	2.4%	2.5%
Corrugated Fiberboard Sales (ABPO)			5.1%	4.4%	0.9%	0.6%	-0.6%	2.0%	2.8%	2.2%	1.9%
Heavy Vehicles Road Traffic (ABCR)			0.8%	1.8%	0.6%	0.3%	0.6%	0.8%	1.3%	1.0%	0.6%
Electric Energy Consumption - Total (EPE)			1.2%	1.1%	1.3%	0.2%	0.2%	1.1%	1.3%	1.2%	1.1%
Industry Consumption (EPE)			1.3%	0.8%	1.1%	-0.2%	0.7%	1.5%	1.9%	1.7%	1.4%
Electric Energy System Supply (ONS)			1.5%	1.5%	2.5%	0.2%	1.0%	1.4%	1.4%	1.5%	1.4%
	Dec	cember-18 %change	2017	Nov/18- Nov/17	Dec/18- Dec/17	Nov/18 - Oct/18 (seasonally adjusted)	Dec/18 - Nov/18 (seasonally adjusted)	Year-To-Date	Nov/18 accum. in 12-months	Dec/18 accum. in 12-months	carry-over 2018
Business Confidence - ICEI (CNI)	effecitve level:	63.8	19.7%	11.9%	9.4%	18.0%	0.3%	4.6%	5.5%	4.6%	4.7%
Sao Paulo Industry Confidence - ICEI-SP (FIESP)	effecitve level:	64.3	26.1%	12.1%	7.5%	26.9%	-2.2%	2.9%	4.6%	2.9%	2.9%
Consumer Expectations - INEC (CNI)	effecitve level:	114.3	0.3%	12.5%	13.7%	3.0%	1.8%	3.6%	2.5%	3.6%	3.6%
Industry Capacity Utilization - NUCI (FGV)	effecitve level:	75.7	0.7%	0.9%	-0.3%	-1.6%	-0.8%	2.0%	2.2%	2.0%	2.0%
Industry Confidence (FGV)	effecitve level:	92.0	12.5%	-2.8%	-4.2%	0.2%	0.5%	6.6%	8.5%	6.6%	6.6%
Consumer Confidence (FGV)	effecitve level:	84.3	8.5%	8.0%	5.4%	3.5%	0.9%	7.5%	8.2%	7.5%	7.5%
Services Confidence (FGV)	effecitve level:	103.6	15.2%	6.8%	10.2%	7.5%	5.7%	7.3%	8.0%	7.3%	8.1%
Construction Confidence (FGV)	effecitve level:	94.9	13.1%	6.1%	6.4%	8.2%	0.6%	4.7%	5.6%	4.7%	4.9%
Retail Confidence (FGV)	effecitve level:	95.0	14.6%	6.7%	6.1%	5.8%	1.4%	6.9%	7.8%	6.9%	6.8%
Total Vehicles Production (ANFAVEA)			24.0%	-1.7%	-16.8%	-1.5%	-7.7%	6.7%	8.6%	6.7%	6.4%
Car Production			26.1%	-1.9%	-18.1%	-3.7%	-12.6%	5.2%	7.3%	5.2%	5.1%
Commercial Vehicles Production			37.3%	23.0%	-0.8%	-4.7%	3.5%	27.1%	32.5%	27.1%	25.8%
Total Vehicles Exports (ANFAVEA)			48.3%	-52.9%	-48.1%	-13.6%	-1.7%	-17.9%	-13.8%	-17.9%	-17.1%
Total Vehicles Sales/Licensing (FENABRAVE)			9.2%	13.1%	10.3%	-6.1%	0.7%	14.6%	14.0%	14.6%	15.2%
			12.3%	12.3%	10.3%	-5.8%	1.0%	13.0%	12.5%	13.0%	13.7%
Domestic Vehicles Sales/Licensing			12.370	12.370	10.576	-5.070	1.070	10.070	12.070		

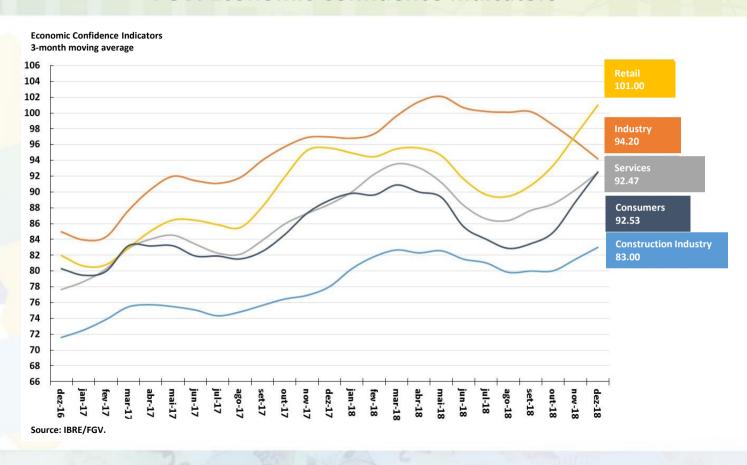
## **CNI: Business Confidence and Consumers Expectation Indexes**



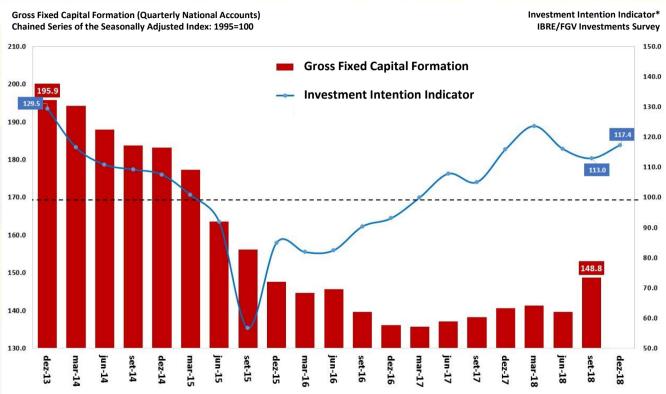
## **FIESP: Industry Confidence Index**



#### **FGV: Economic Confidence Indicators**



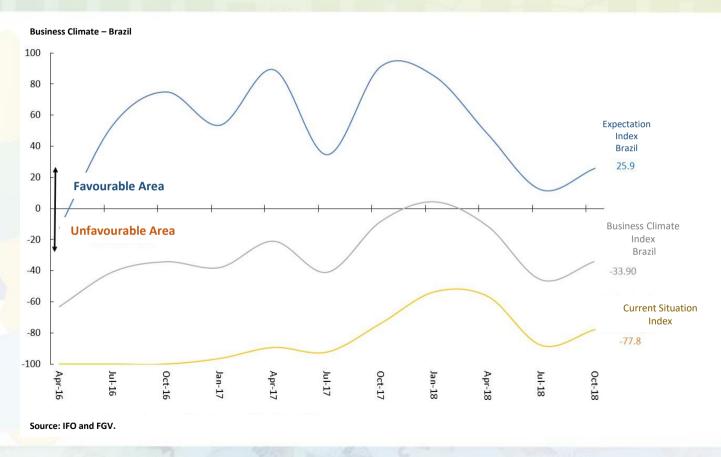
#### **Gross Fixed Capital Formation and Investment Intention**



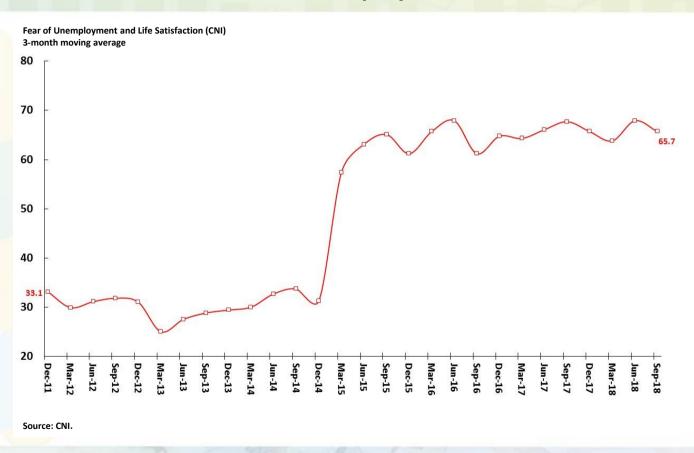
Source: IBGE/MP e IBRE/FGV.

<sup>\*</sup>Note: Measures the difference between positive and negative answers, plus 100.

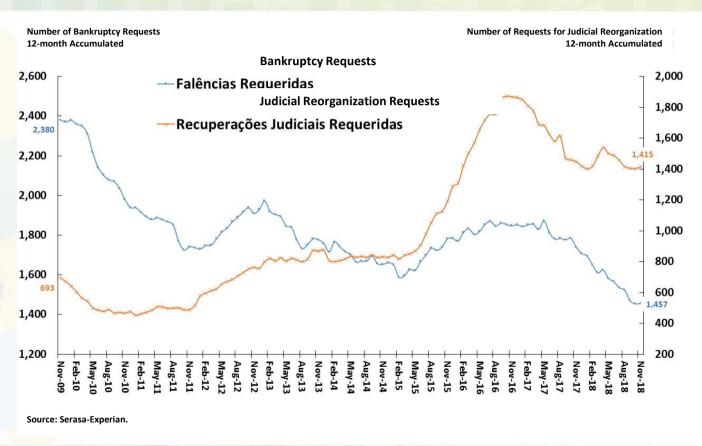
## IFO / FGV: Business Climate Index - Brazil



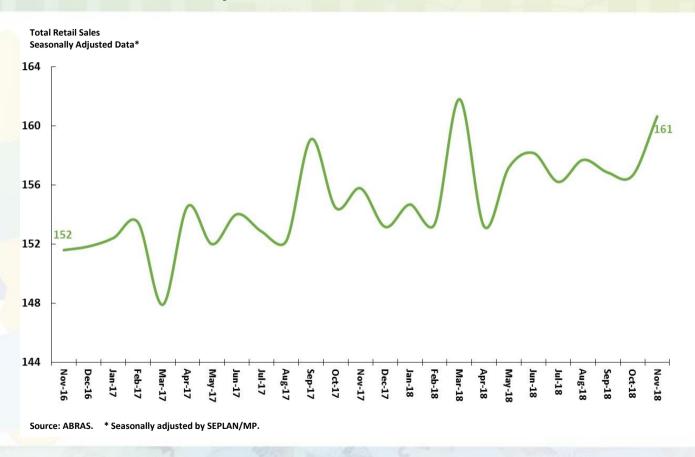
### **CNI: Fear of Unemployment Index**



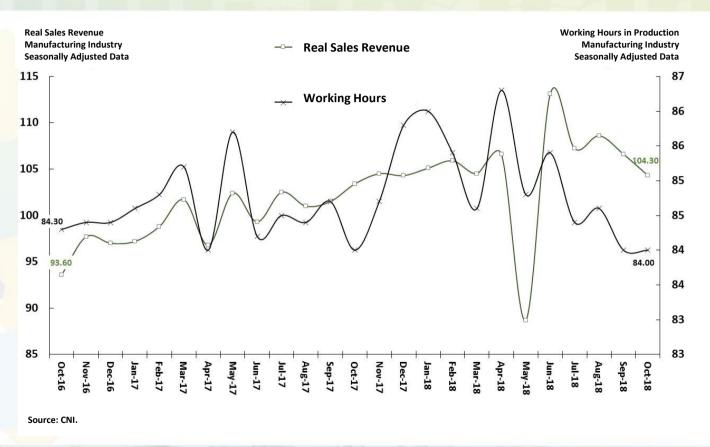
## **Bankruptcy and Judicial Reorganization Requests**



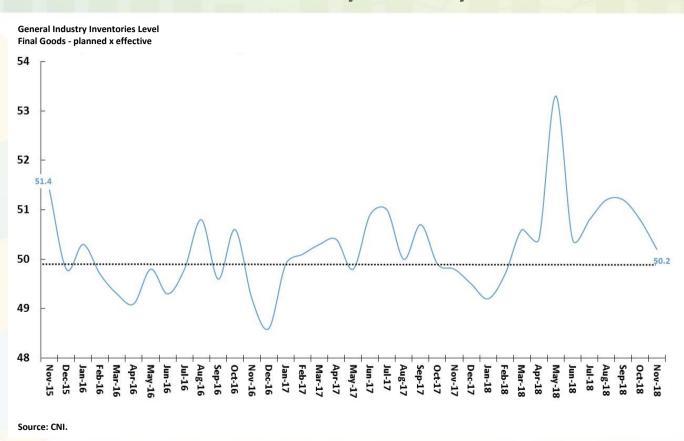
### **ABRAS: Supermarket Sector Total Retail Sales**



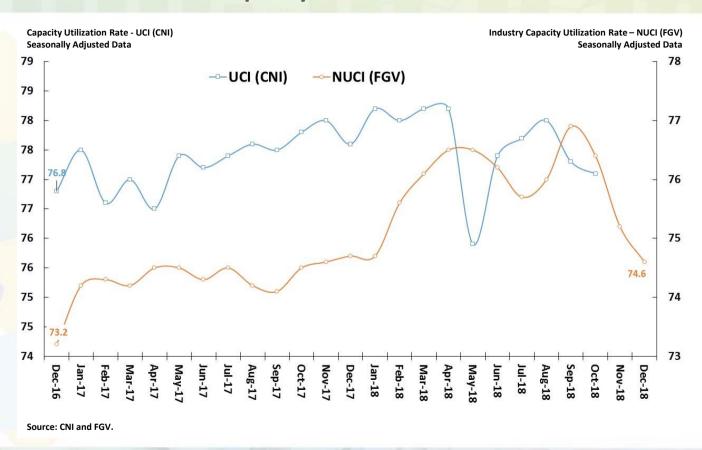
## **CNI: Industry Real Sales Revenues and Working Hours**



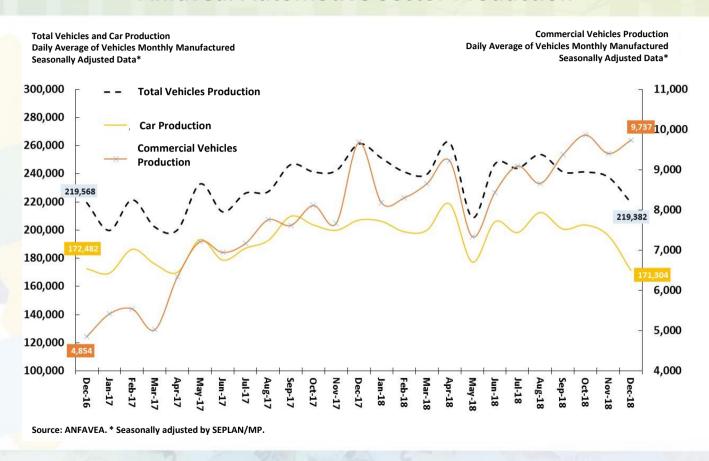
### **CNI: Industry Inventory**



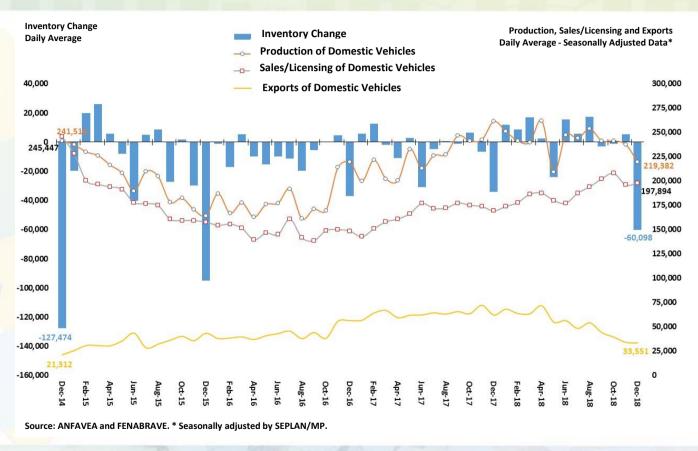
### **Capacity Utilization Rate**



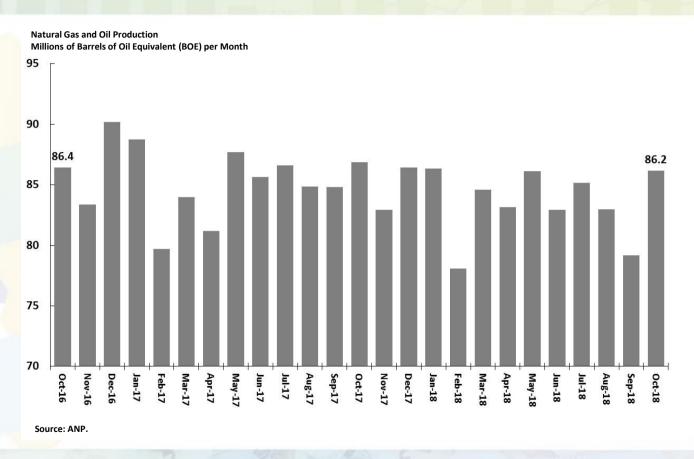
#### **Anfavea: Automotive Sector Production**



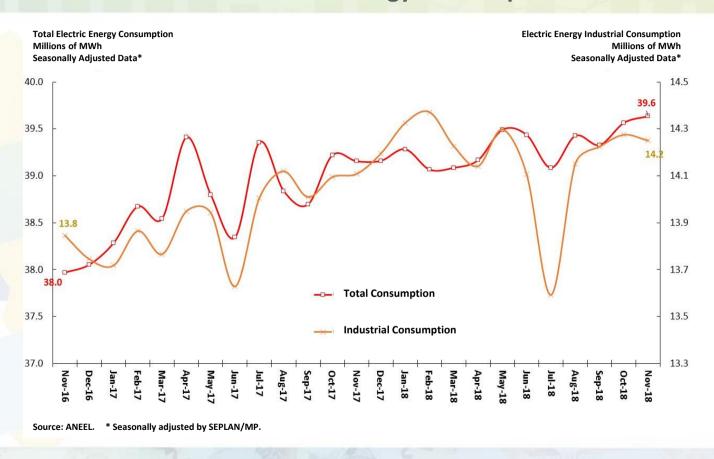
## **Automotive Sector Production, Sales and Inventory Change**



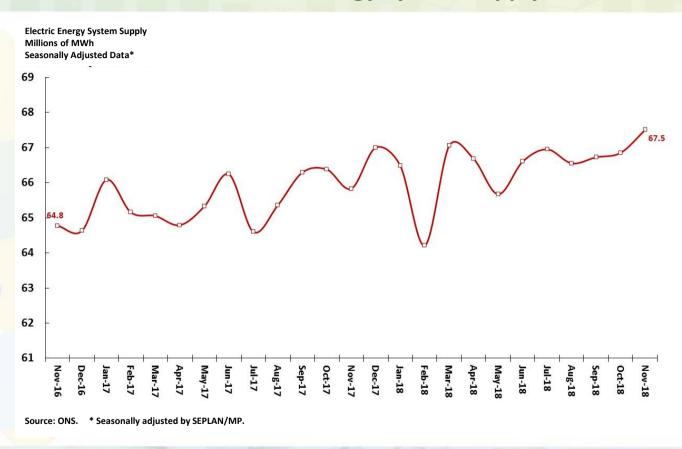
#### **ANP: Natural Gas and Oil Production**



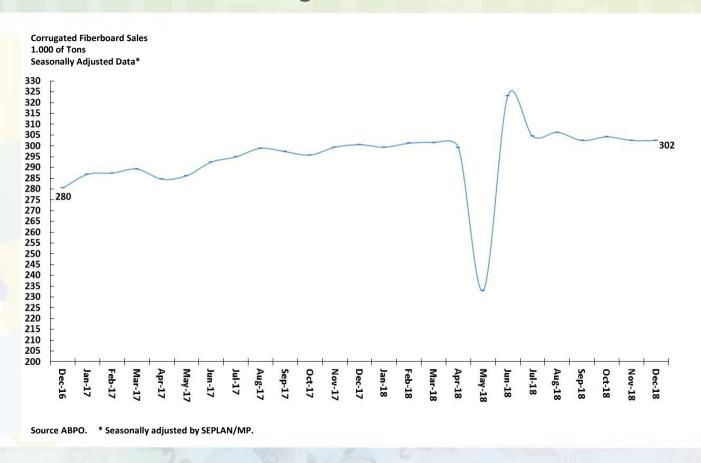
### **ANEEL: Electrical Energy Consumption**



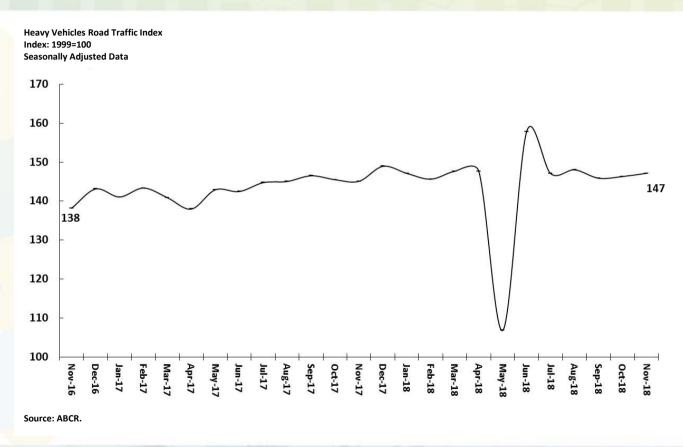
## **ONS: Electric Energy System Supply**



### **ABPO: Corrugated Fiberboard Sales**



## **ABCR: Heavy Vehicles Road Traffic Index**

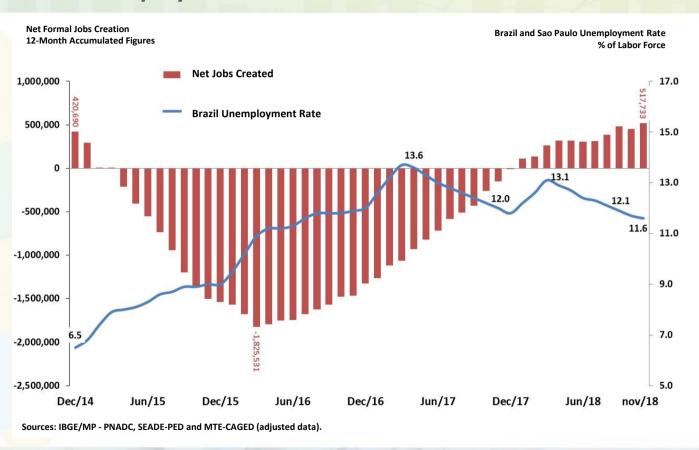




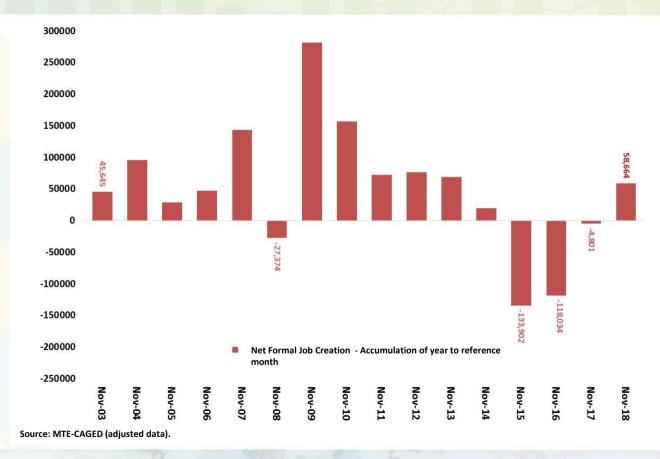
## **Labor Market**

Employment Indicators  Brasil (PNADC, IBGE)	November-18	2016 average	2017 average	Nov/18 (12-months moving average)	Nov-18	chg.% 2017 / 2016	chg.% Oct/18- Oct/17	chg.% Nov/18- Nov/17	chg.% YTD 2018 / YTD 2017	chg.% Nov/18 - 2017 average
Unemployment Rate % Labor Force		11.3	12.8	12.3	11.6	1.5 pp	-0.5 pp	-0.4 pp	1.5 pp	1.5 pp
Unemployed Population (in thousands)		166,189	168,210	169,712	170,492	1.2%	0.9%	0.9%	1.2%	1.2%
Labor Force (in thousands)		102,033	103,743	104,570	105,395	1.7%	0.9%	0.8%	1.7%	1.7%
Employed Population (in thousands)		90,539	90,495	91,733	93,189	0.0%	1.5%	1.3%	0.0%	0.0%
Working Age Population (in thousands)		11,494	13,248	12,837	12,206	15.3%	-3.1%	-2.9%	15.3%	15.3%
São Paulo Unemployment Rate % (RMSP, PED-Seade)		16.6	18.0	17.4	11.6	1.4 pp	-1.4 pp	-1.6 pp	-1.4 pp	-1.0 pp
Average Real Earnings (PNADC, IBGE)	November-18	2016 average	2017 average	Nov/18 (12-months moving	Nov-18	chg.% 2017 / 2016	chg.% Oct/18- Oct/17	chg.% Nov/18- Nov/17	chg.% YTD 2018 / YTD 2017	chg.% Nov/18 - 2017
real values (in R\$ of last month)				average)			00011	1101/11	2011	average
Employed Population		2,172	2,223	2,241	2,238	2.3%	0.4%	0.1%	2.3%	2.3%
Formal Contract		2,092	2,135	2,148	2,133	2.0%	-0.4%	-1.5%	2.0%	2.0%
Informal Contract		1,275	1,283	1,301	1,353	0.6%	2.6%	4.9%	0.6%	0.6%
Self-employed		1,639	1,622	1,633	1,634	-1.0%	-0.1%	1.0%	-1.0%	-1.0%
Public Sector		3,410	3,469	3,540	3,552	1.7%	3.0%	2.6%	1.7%	1.7%
Real Wage Bill (in R\$ milions of last months)		191,740	196,097	200,406	203,470	2.3%	1.9%	1.6%	2.3%	2.3%
Percentage of the Minimum Wage to Purchase the Basic Food	Basket (Dieese)	46.3%	44.2%	43.2%	42.3%	1.0 pp	0.0 pp	0.0 pp	-0.2%	-3.0%
Formal Jobs (CAGED, MTE)  Million people	November-18	2016	2017	Oct/18 accum. in 12- months	Nov/18 accum. in 12-months	Year-To- Date	Nov-18	chg.% 2017 / 2016	chg.% Nov/18 accum.12-m / 2017	chg.% YTD 2018 / YTD 2017
Net Formal Jobs Creation	· · · · · · · · · · · · · · · · · · ·	-1,327	-12	454	518	768	59	-13.6%	-139.0%	261.2%
Job Oppenings		14,847	14,763	15,315	15,338	13,049	1,189	-16.8%	3.3%	104.2%
Job Separations		16,174	14,775	14,861	14,820	12,281	1,131	-16.5%	-8.4%	100.3%

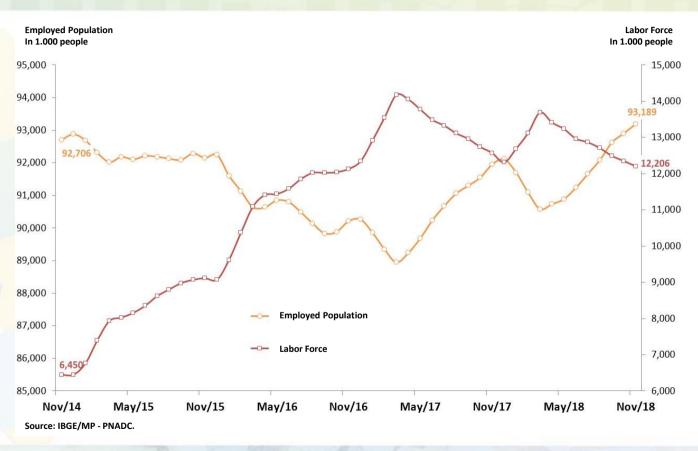
#### **Unemployment Rate and Net Formal Job Creation**



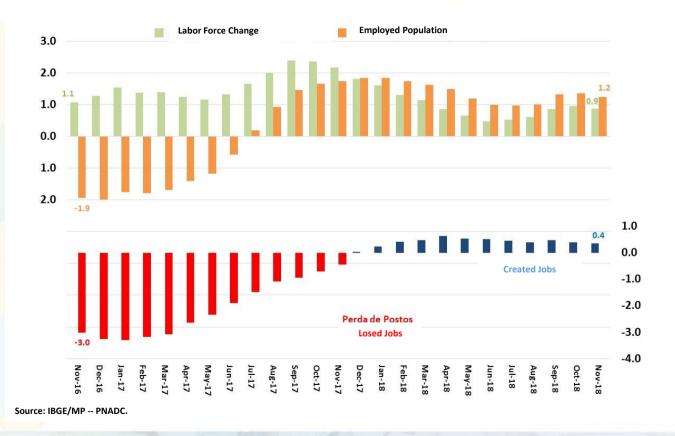
#### Net Formal Job Creation - Total Accumulation of Year



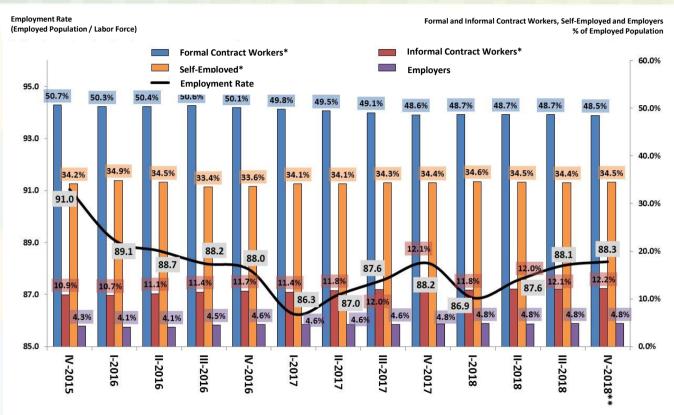
### **Employed Population and Labor Force Evolution**



## 12-Month Total Unemployment Increase Decomposition

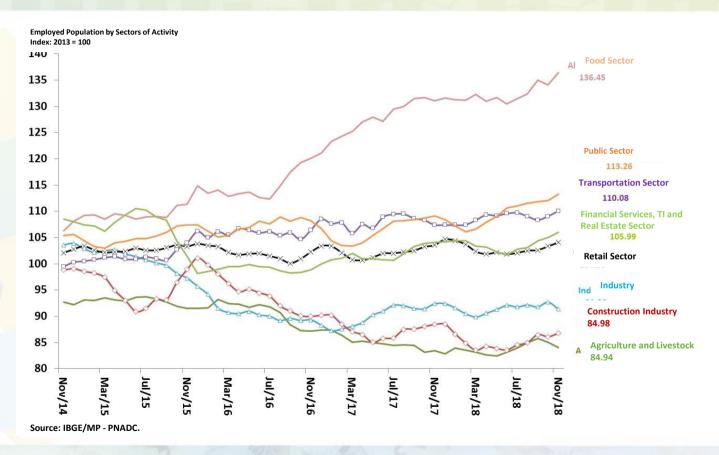


## **Labor Market Evolution by Employment Type**

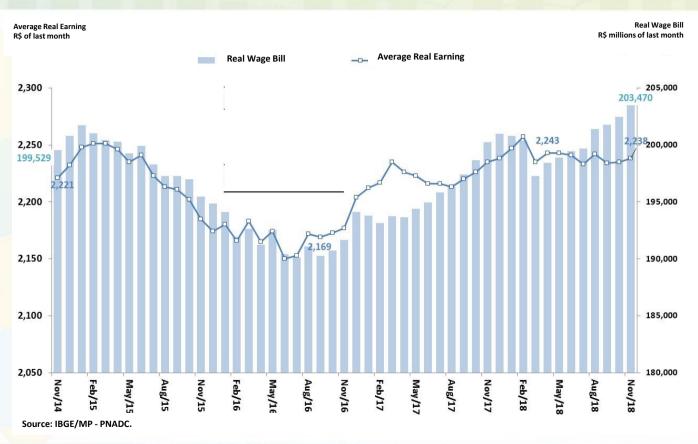


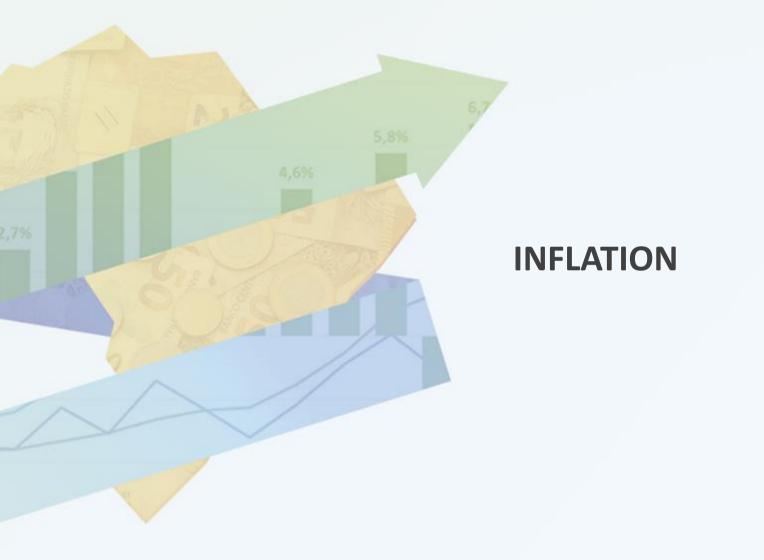
Source: IBGE/MP - PNADC. Note: \*Formal contract includes both private and public sectors and Self-Employed includes home-workers and family-workers.

## **Employment by Sector of Activity**



## Real Wage Bill and Average Real Earning

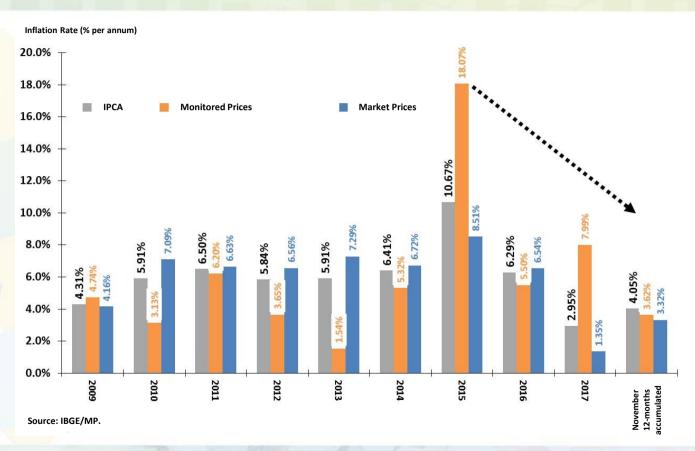




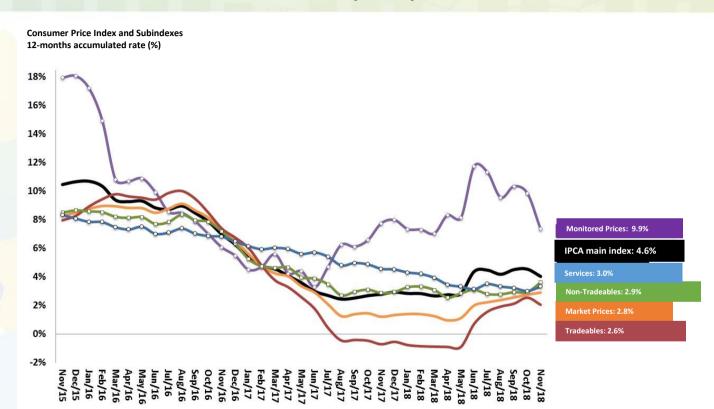
## Inflation

													BCB/Focus:	01/04	/2019
Inflation Index	November-18	2016	2017	Accum. In 12- months	YTD 2017	YTD 2018	Sep-17	Oct-17	Nov-17	Sep-18	Oct-18	Nov-18	2018	2019	2020
IPCA Inflation Target (CMN)		4.5%	4.5%	4.5%									4.50%	4.25%	4.00%
Consumer Price Index IPCA (IBGE)		6.29%	2.95%	4.05%	2.50%	3.59%	0.16%	0.42%	0.28%	0.48%	0.45%	-0.21%	4.01%	4.00%	3.75%
IPCA core (By exclusion food and energy - Ex2)		6.2%	3.8%	3.2%	3.5%	2.9%	0.1%	0.4%	0.2%	0.3%	0.2%	-0.1%			
Food and Beverages		8.6%	-1.9%	4.1%	-2.4%	3.6%	-0.4%	-0.1%	-0.4%	0.1%	0.6%	0.4%			
Housing		2.8%	6.3%	4.5%	6.7%	4.9%	-0.1%	1.3%	1.3%	0.4%	0.1%	-0.7%			
Household Articles		3.4%	-1.5%	3.2%	-1.5%	3.2%	0.1%	-0.4%	-0.5%	0.1%	0.8%	0.5%			
Apparel		3.5%	2.9%	0.3%	2.0%	-0.5%	0.3%	0.7%	0.1%	0.0%	0.3%	-0.4%			
Transportation		4.2%	4.1%	6.1%	2.8%	4.8%	0.8%	0.5%	0.5%	1.7%	0.9%	-0.7%			
Health and Personal Care		11.0%	6.5%	4.0%	6.1%	3.6%	0.3%	0.5%	0.3%	0.3%	0.3%	-0.7%			
Personal Expenses		8.0%	4.4%	3.1%	3.9%	2.7%	0.6%	0.3%	0.4%	0.4%	0.3%	0.4%			
Education		8.9%	7.1%	5.2%	6.9%	5.1%	0.0%	0.1%	0.0%	0.2%	0.0%	0.0%			
Communication		1.3%	1.8%	-0.2%	1.9%	-0.1%	0.5%	0.4%	0.2%	-0.1%	0.0%	-0.1%			
Consumer Price Index INPC (IBGE)		6.58%	2.07%	4.00%	1.62%	3.55%	-0.02%	0.37%	0.18%	0.30%	0.40%	-0.25%	4.19%	4.00%	4.00%
São Paulo Cost-of-Living Index ICV SP (DIEESE)		6.15%	2.44%	4.38%	2.16%	4.09%	0.20%	0.88%	0.15%	0.55%	0.58%	0.32%			
Inflation Index	December-18	2016	2017	Accum. In 12- months	YTD 2017	YTD 2018	Oct-17	Nov-17	Dec-17	Oct-18	Nov-18	Dec-18	2018	2019	2020
General Price Index IGP-10 (FGV)		6.97%	-0.42%	7.92%	-0.42%	7.92%	0.49%	0.24%	0.90%	1.43%	-0.16%	-1.23%			
Consumer Price Index IPCA - 15 (IBGE)		6.58%	2.94%	3.86%	2.94%	3.86%	0.34%	0.32%	0.35%	0.58%	0.19%	-0.16%	4.00%	4.00%	3.75%
General Price Index IGP-M (FGV)		7.19%	-0.53%	8.73%	-0.53%	8.73%	0.20%	0.52%	0.89%	0.89%	-0.49%	-1.08%	4.30%	4.00%	4.00%
São Paulo Consumer Price Index IPC RMSP (FIPE	)	6.55%	2.28%	2.99%	2.28%	2.99%	0.32%	0.29%	0.55%	0.48%	0.15%	0.09%	4.04%	4.00%	4.00%
General Price Index IGP-DI (FGV)		7.15%	-0.42%	7.10%	-0.42%	7.10%	0.10%	0.80%	0.74%	0.26%	-1.14%	-0.45%	4.38%	4.03%	4.00%
Consumer Price Subindex IPC/Br-DI		6.19%	3.22%	4.04%	3.22%	4.04%	0.33%	0.36%	0.21%	0.48%	-0.17%	0.29%			
Construction Cost Subindex INCC-DI		6.10%	4.25%	3.70%	4.25%	3.70%	0.31%	0.31%	0.07%	0.35%	0.13%	0.13%			
Wholesale Price Subindex IPA-DI		7.73%	-2.52%	9.63%	-2.52%	9.63%	-0.03%	1.06%	1.07%	0.17%	-1.70%	-0.82%	4.13%	4.50%	4.50%
IPA-DI Industry		6.71%	1.22%	10.09%	1.22%	10.09%	-0.16%	1.14%	1.15%	0.59%	-1.47%	-0.85%			
IPA-DI Agriculture		9.92%	-12.34%	8.31%	-12.34%	8.31%	0.37%	0.85%	0.81%	-1.08%	-2.41%	-0.73%			

## Relative Prices Convergence in the Consumer Price Index

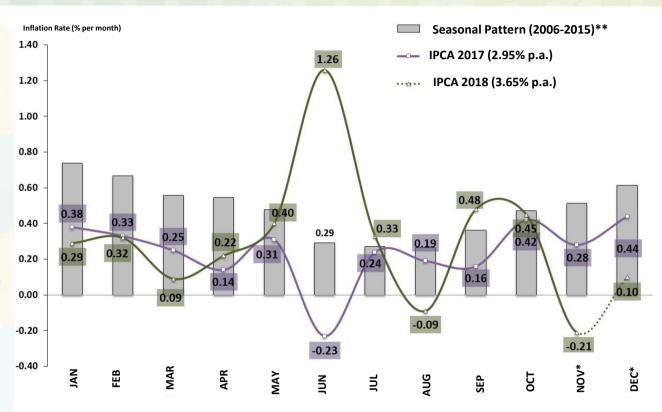


## **Consumer Price Index (IPCA) and Subindexes**



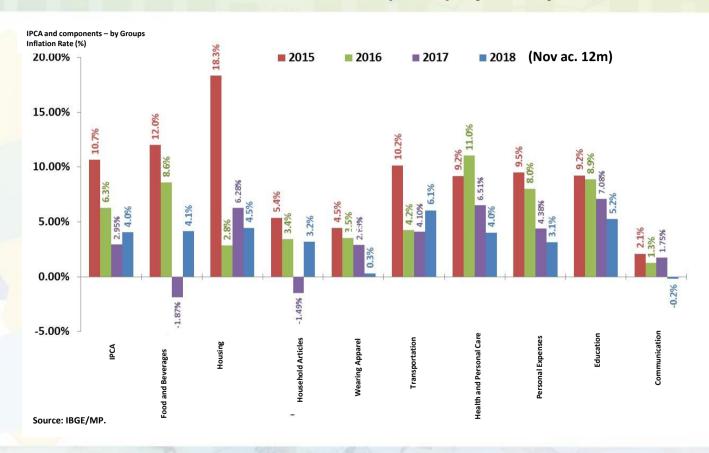
Source: IBGE/MP.

### Consumer Price Index (IPCA) and Seasonal Pattern

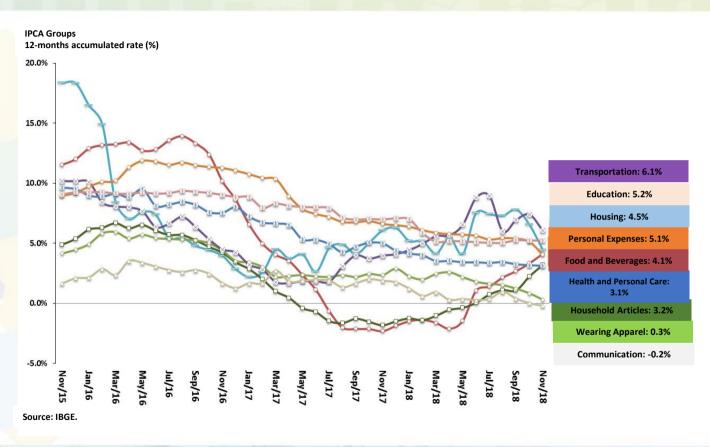


Sources: IBGE/MP and Central Bank of Brazil. \*BCB-Focus Survey of 01/04/2018, median of market expectations. \*\*Seasonal pattern estimated by SEPLAN/MP.

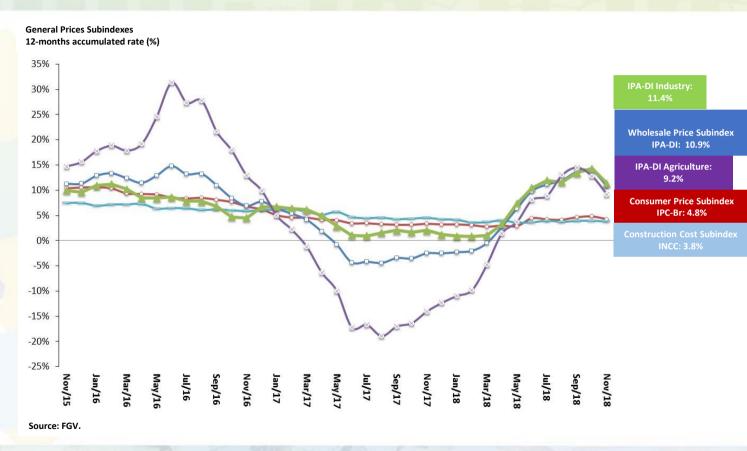
### **Consumer Price Index (IPCA) by Groups**



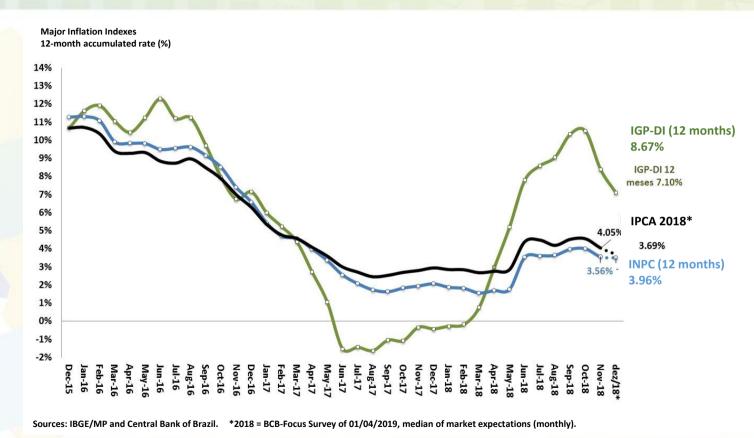
## Consumer Price Index (IPCA) by Groups



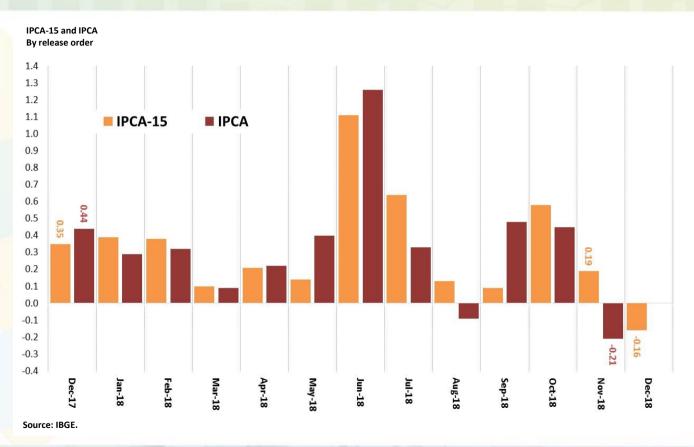
# **General Price Index (IGP-DI) by Subindexes**



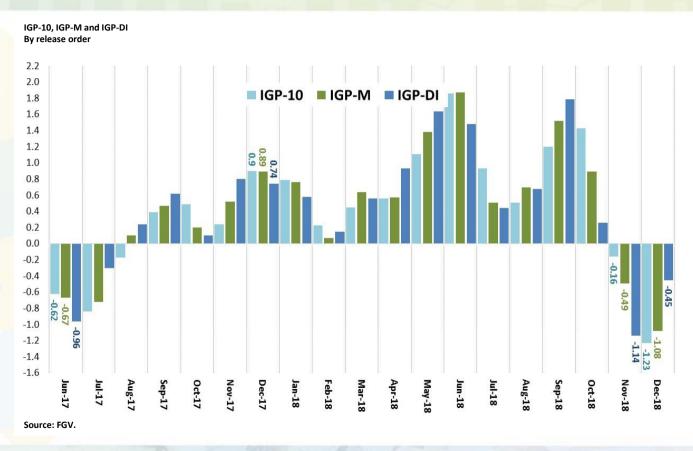
#### **Major Inflation Indexes**



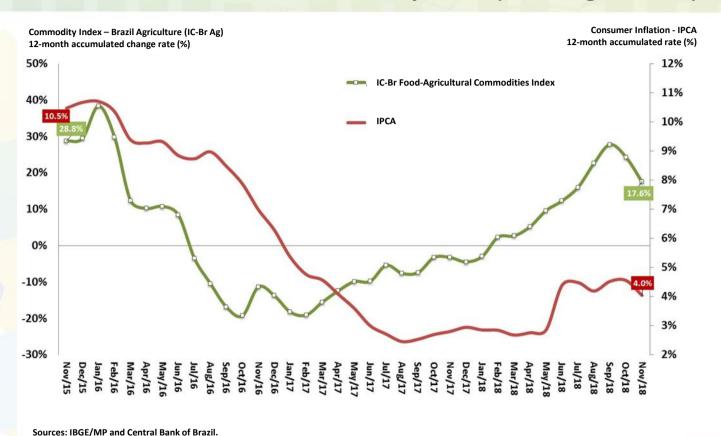
### **IBGE: Monthly Consumer Price Indexes**



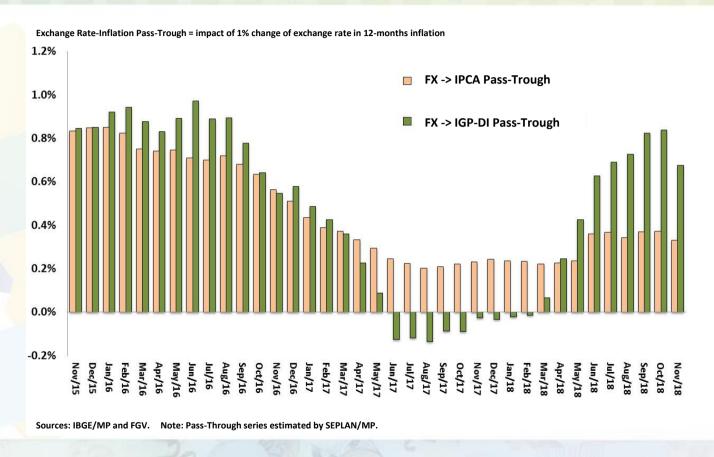
# **FGV: Monthly General Price Indexes**



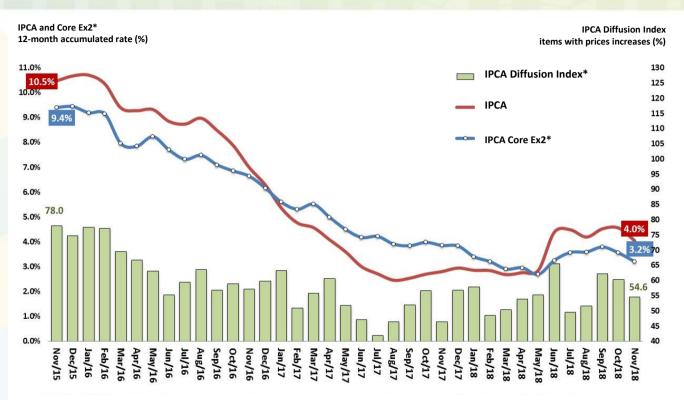
#### **Consumer Price Index and Commodity Index (Brazil Agriculture)**



#### **Exchange Rate Pass-Through in Consumer and General Price Indexes**



#### IPCA, Core Inflation (IPCA Ex2) and Diffusion Index



Source: IBGE/MP.

<sup>\*</sup> Ex2 = Exclusion from the main index of 12 items, 10 from residence dining and 2 from monitored prices. The excluded items represent, on average, 16% of IPCA main index.

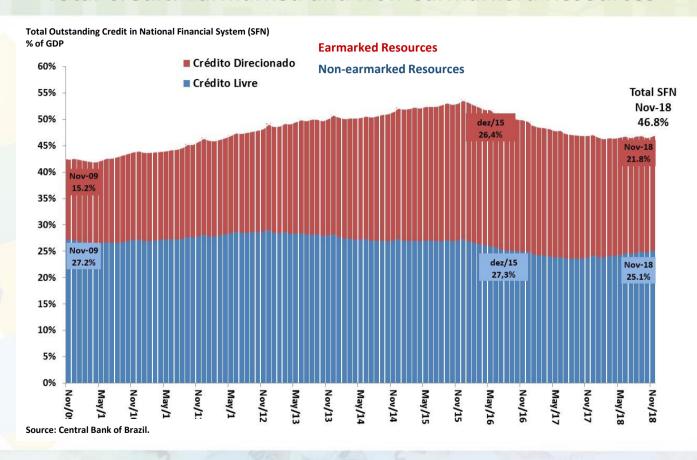
<sup>\*\*</sup> Diffusion Index = % of items from IPCA with price increase.



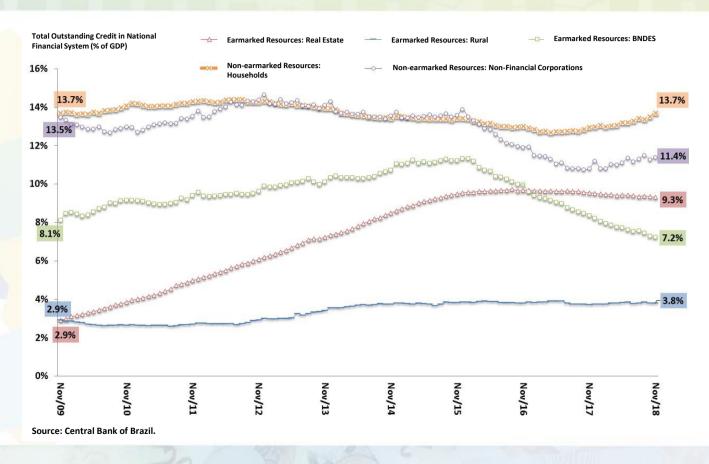
# **Credit Market**

Credit Market (BCB) November-18	D 40	D 47	N 40	% of Total	% of Total	% of Total	chg.% Dec/17-	chg.%	% of GDP	% of GDP	% of GDP
End-of-Period Outstanding Credit (in R\$ billions)	Dec-16	Dec-17	Nov-18	Credit Dec/16	Credit Dec/17	Credit Nov/18	Dec/17- Dec/16	Nov/18- Dec/17	Dec/16	Dec/17	Nov/18
Total Credit to the National Financial System (NFS)	3,106.2	3,091.5	3,202.2	100.0%	100.0%	100.0%	-0.5%	3.6%	49.6%	47.1%	46.8%
by type of borrower											
Public Sector (incl. State-Owned Enterprises)	235.9	221.3	222.6	7.6%	7.2%	7.0%	-6.2%	0.6%	3.8%	3.4%	3.3%
Private Sector	2,870.3	2,870.3	2,979.6	92.4%	92.8%	93.0%	0.0%	3.8%	45.9%	43.8%	43.6%
Non-Financial Corporations	1,545.2	1,442.0	1,430.8	49.7%	46.6%	44.7%	-6.7%	-0.8%	24.7%	22.0%	20.9%
Households	1,560.9	1,649.5	1,771.4	50.3%	53.4%	55.3%	5.7%	7.4%	24.9%	25.1%	25.9%
by type of lender											
Public Financial Institutions	1,729.7	1,672.3	1,654.0	55.7%	54.1%	51.7%	-3.3%	-1.1%	27.6%	25.5%	24.2%
National Private Financial Institutions	976.8	994.8	1,076.2	31.4%	32.2%	33.6%	1.8%	8.2%	15.6%	15.2%	15.7%
Foreign Private Financial Institutions	399.6	424.5	472.0	12.9%	13.7%	14.7%	6.2%	11.2%	6.4%	6.5%	6.9%
by type of credit											
Earmarked Resources	1,549.5	1,506.9	1,487.4	49.9%	48.7%	46.4%	-2.8%	-1.3%	24.8%	23.0%	21.8%
Housing	241.6	245.9	259.3	7.8%	8.0%	8.1%	1.8%	5.4%	3.9%	3.7%	3.8%
Rural	605.7	624.8	637.0	19.5%	20.2%	19.9%	3.2%	1.9%	9.7%	9.5%	9.3%
BNDES Development Bank	601.0	538.6	494.9	19.3%	17.4%	15.5%	-10.4%	-8.1%	9.6%	8.2%	7.2%
Others	101.2	97.5	96.3	3.3%	3.2%	3.0%	-3.7%	-1.2%	1.6%	1.5%	1.4%
Non-Financial Corporations	797.7	708.8	652.1	25.7%	22.9%	20.4%	-11.1%	-8.0%	12.7%	10.8%	9.5%
Households	751.8	798.0	835.3	24.2%	25.8%	26.1%	6.1%	4.7%	12.0%	12.2%	12.2%
Non-earmarked Resources	1,556.6	1,584.7	1,714.8	50.1%	51.3%	53.6%	1.8%	8.2%	24.9%	24.2%	25.1%
Non-Financial Corporations	747.5	733.2	778.7	24.1%	23.7%	24.3%	-1.9%	6.2%	11.9%	11.2%	11.4%
Households	809.1	851.5	936.1	26.0%	27.5%	29.2%	5.2%	9.9%	12.9%	13.0%	13.7%
Non-earmarked Resources (BCB) November-18				% of Total	% of Total	% of Total	chg.%	chg.%	% of GDP	% of GDP	% of GDF
New Loans, Spread and Delinquency Rates	Dec-16	Dec-17	Nov-18	Credit Dec/16	Credit Dec/17	Credit Nov/18	Dec/17- Dec/16	Nov/18- Dec/17	Dec/16	Dec/17	Nov/18
New Loans (12-months accum. in R\$ billions)	2,859.5	2,990.1	3,340.9	100.0%	100.0%	100.0%	4.6%	11.7%	45.7%	45.6%	48.9%
Non-Financial Corporations	1,301.9	1,292.9	1,479.3	45.5%	43.2%	44.3%	-0.7%	14.4%	20.8%	19.7%	21.6%
Households	1,557.6	1,697.2	1,861.6	54.5%	56.8%	55.7%	9.0%	9.7%	24.9%	25.9%	27.2%
Spread (in pp per year)	39.9	31.9	29.9				-8.1 pp	-2.0 pp			
Non-Financial Corporations	16.5	13.7	12.9				-2.8 pp	-0.8 pp			
Households	60.2	46.1	43.1				-14.0 pp	-3.0 pp			
Delinquency (% non-performing loans by 90 days or more)	5.6	4.9	4.0				-0.7 pp	-1.0 pp			
Non-Financial Corporations	5.2	4.5	3.0				0.8 pp	-1.6 pp			
Households	6.1	5.3	4.8		1		-0.1 pp	-0.5 pp			

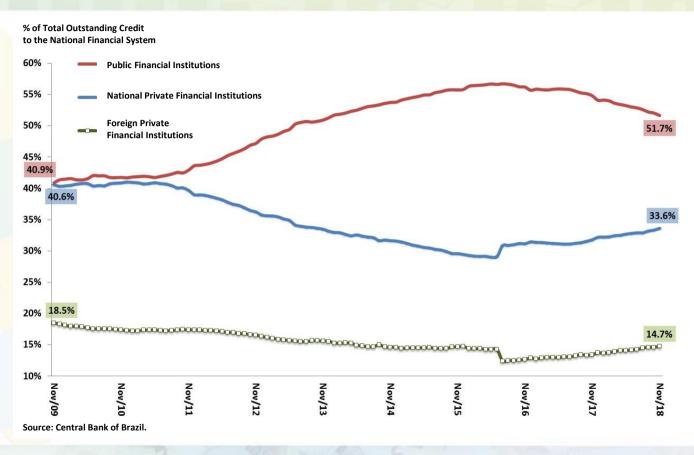
#### **Total Credit: Earmarked and Non-earmarkerd Resources**



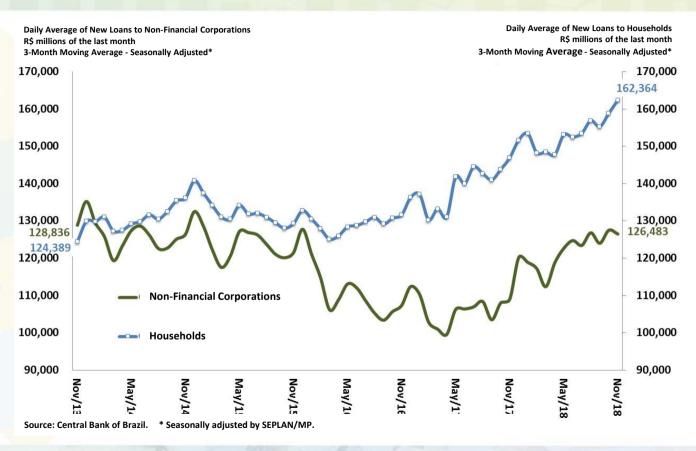
#### **Total Credit Evolution by Major Segments**



# **Total Credit by Types of Financial Institutions**



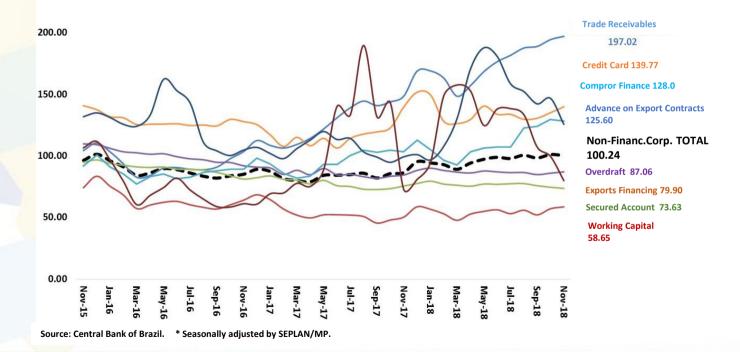
#### **New Loans to Households and Non-Financial Corporations**



#### New Loans to Non-Financial Corp. by Type of Credit Lines

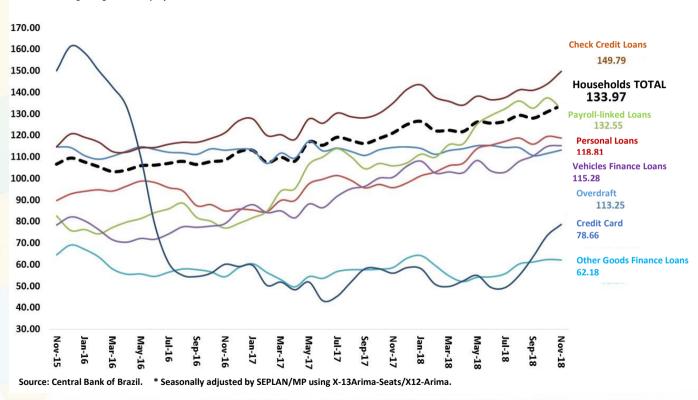
Daily Average of New Loans to Non-Financial Corporations – Last Month Real Values (IPCA) 3-Month Moving Average - Seasonally Adjusted\* - Index: 2013=100



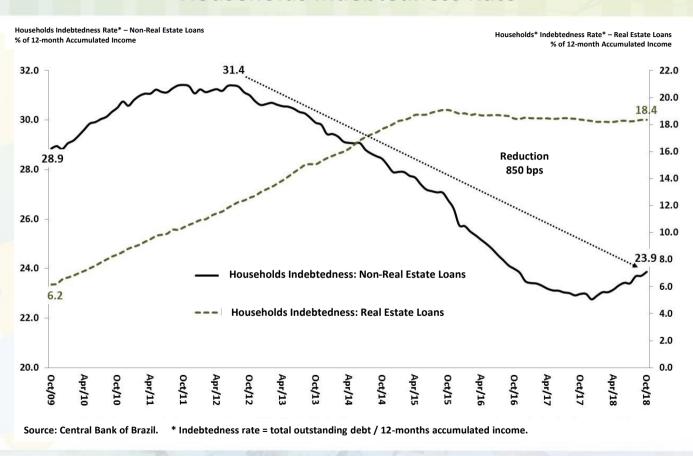


#### New Loans to Households by Type of Credit Lines

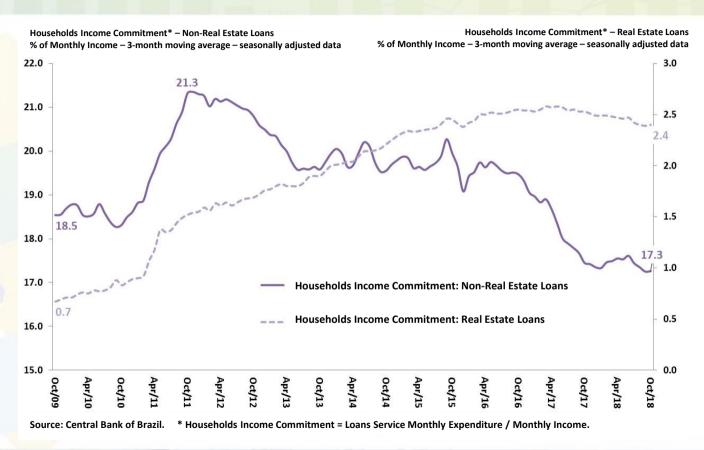
Daily Average of New Loans to Households – Real Last Month Values (IPCA) 3-Months Moving Average - Seasonally Adjusted\* - Index: 2013=100



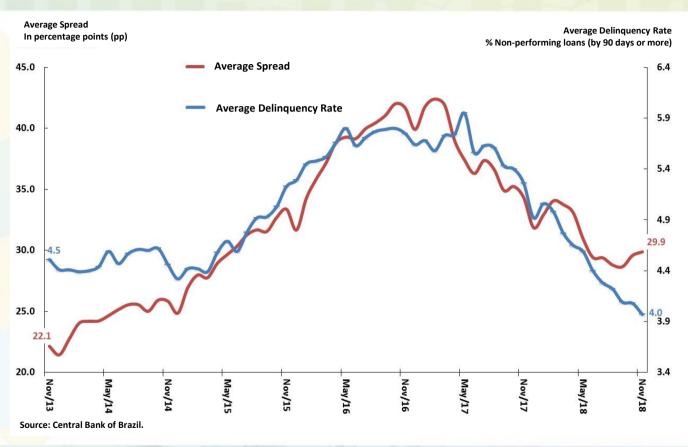
#### **Households Indebtedness Rate**



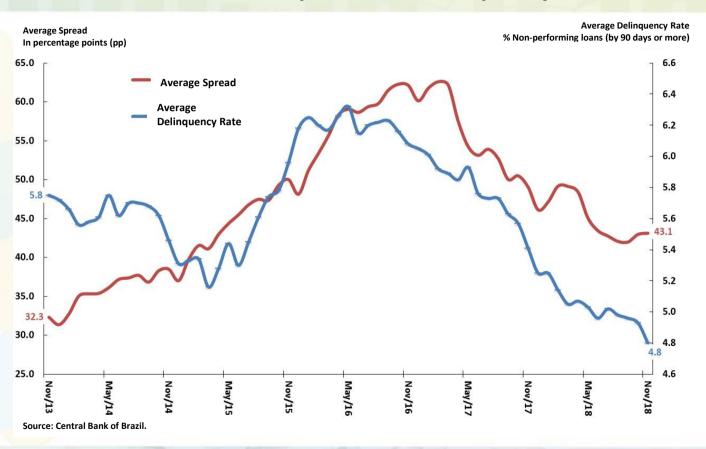
#### **Households Income Commitment**



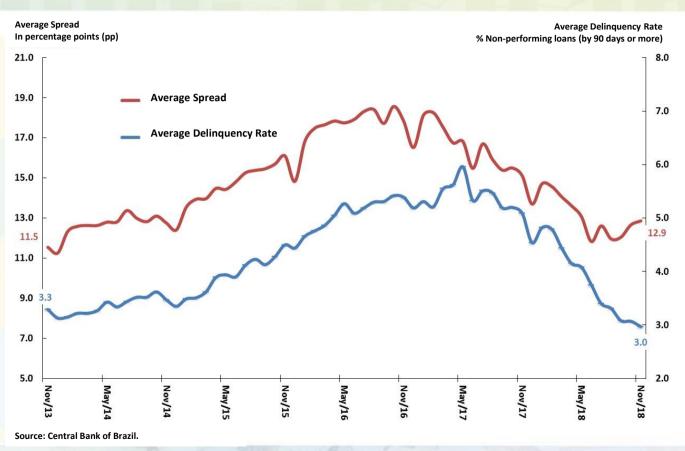
#### Non-earmarked Resources: Spread and Delinquency Rates



#### **Households Loans: Spread and Delinquency Rates**



#### Non-Financial Corp. Loans: Spread and Delinquency Rates

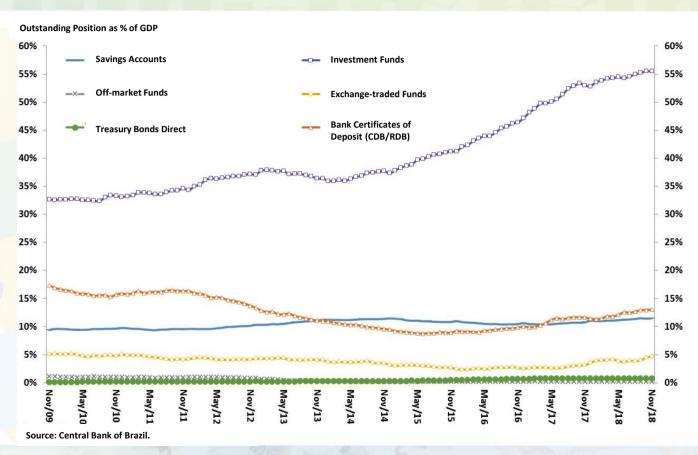




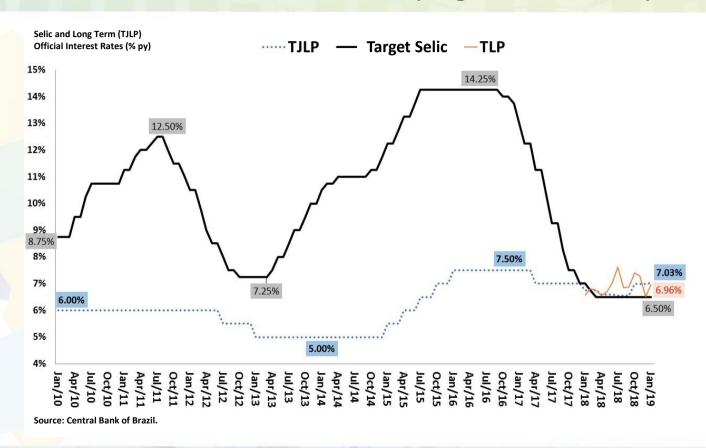
# **Financial Markets**

										BCB/Focus:	01/04/2019	
Financial Savings (BCB) Outstanding Positions - R\$ billions	November-18	Dec-16	Dec-17	Nov-17	Nov-18	chg. % Dec/16 / Dec/15	chg. % Dec/17 / Dec/16	chg. % Nov/18- Dec/17	chg. % Nov/18- Nov/17			
Bank Certificates of Deposit (CDB/RDB) Savings Accounts (Caderneta de Poupança) Investment Funds Off-market Funds (Fundos Extramercado) Exchange-traded Funds Treasury Bonds Direct (Tesouro Direto)		627.4 665.0 2,953.4 14.9 158.1 41.1	749.1 724.6 3,462.6 13.5 232.5 48.5	759.2 702.3 3,460.6 12.9 204.3 48.1	884.0 779.8 3,773.0 13.4 317.0 47.3	13.6% 1.3% 19.4% 25.0% 9.7% 60.5%	19.4% 9.0% 17.2% -9.1% 47.0% 18.1%	18.0% 7.6% 9.0% -1.2% 36.4% -2.4%	16.4% 11.0% 9.0% 3.4% 55.2% -1.7%			
BM&F-Bovespa - listed companies value as % of	of GDP	39.4%	48.2%	45.8%	53.2%	7.47 pp	8.87 pp	5.00 pp	7.44 pp			
Capital Market (CVM) New Public Offering - R\$ billions	November-18	Dec-16	Dec-17	Nov-17	Nov-18	chg. % Dec/16 / Dec/15	chg. % Dec/17 / Dec/16	chg. % Nov/18- Dec/17	chg. % Nov/18- Nov/17			
Stocks Debentures Housing Credit-backed Securities (CRI) Investment Funds - new shares		0.5 21.9 11.3 2.1	8.4 6.4 12.0 5.2	7.5 6.4 10.5 4.4	3.4 2.7 4.8 15.0	-96.7% 5.9% 191.9% -63.5%	1462.8% -70.9% 5.9% 150.0%	-100.0% - -63.2% 28.8%	-100% -84.6% -81.5% 119.2%			
Monet Market (BCB)	November-18	Dec-16	Dec-17	Nov-17	Nov-18	chg. % Dec/16 / Dec/15	chg. % Dec/17 / Dec/16	chg. % Nov/18- Dec/17	chg. % Nov/18- Nov/17			
Interest Rates Selic market rate (% py) CDI (% py) Swap DI-Pre 180 days (% py) Swap DI-Pre 360 days (% py)		<b>13.65</b> 13.63 12.45 11.56	<b>7.00</b> 6.99 6.67 6.86	<b>7.40</b> 7.39 6.84 7.02	<b>6.40</b> 6.40 6.55 6.91	-0.5 pp -0.5 pp -2.7 pp -4.3 pp	-6.7 pp -6.6 pp -5.8 pp -4.7 pp	-0.6 pp -0.6 pp -0.1 pp 0.0 pp	-1.0 pp -1.0 pp -0.3 pp -0.1 pp			
Monet Market (BCB)	January-19	Dec-16	Dec-17	Jan-18	Jan-19	chg. % Dec/16 / Dec/15	chg. % Dec/17 / Dec/16	chg. % Jan/19- Dec/17	chg. % Jan/19- Jan/18	2018	2019	2020
Selic target rate (% py) TJLP (% py)		<b>13.75</b> 7.50	<b>7.00</b> 7.00	<b>7.00</b> 7.00	<b>6.50</b> 6.98	- <b>0.5 pp</b> 0.5 pp	<b>-6.75 pp</b> -0.5 pp	- <b>0.5 pp</b> -0.02 pp	-0.5 pp -0.02 pp	7.00%	8.00%	8.00%
Grazil Sovereign Risk (BCB)  Vonthly Average (in basis points)	December-18	Dec-16	Dec-17	Dec-17	Dec-18	chg. pp Dec/16 / Dec/15	chg. pp Dec/17 / Dec/16	chg. % Dec/18- Dec/17	chg. % Dec/18- Dec/17			
EMBI+ (JPMorgan) 5 years CDS 10 years CDS		328 281 360	240 162 259	240 162 259	276 208 283	-195 pp -214 pp -199 pp	-88 pp -119 pp -100 pp	36 pp 46 pp 24 pp	36 pp 46 pp 24 pp			

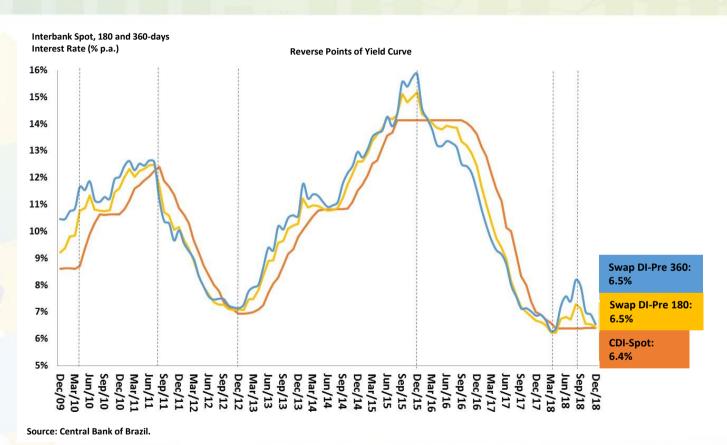
### **Major Financial Savings Instruments**



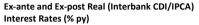
#### Official Interest Rates Evolution (Target Selic and TJLP)

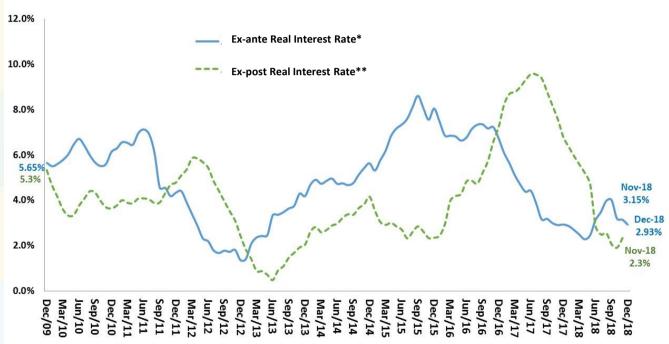


#### **Term Structure of Interbank Interest Rate**



#### **Ex-ante and Ex-post Real Interest Rates**



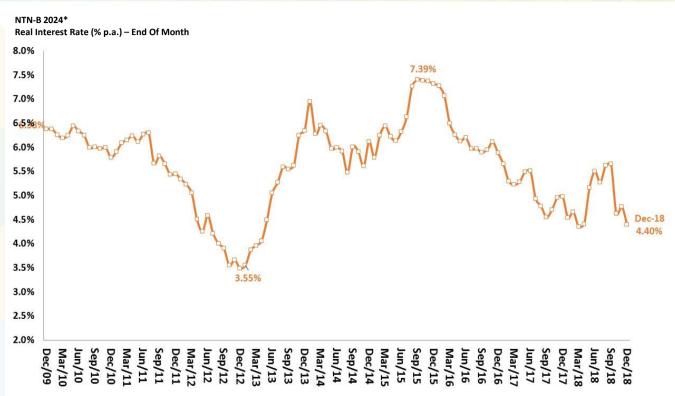


Source: Central Bank of Brazil.

<sup>\*</sup> Ex-ante Real Interest Rate = Expected Interbank CDI/IPCA ratio, considering 360-days Swap DI-Pre rate and IPCA median of BCB-Focus Survey.

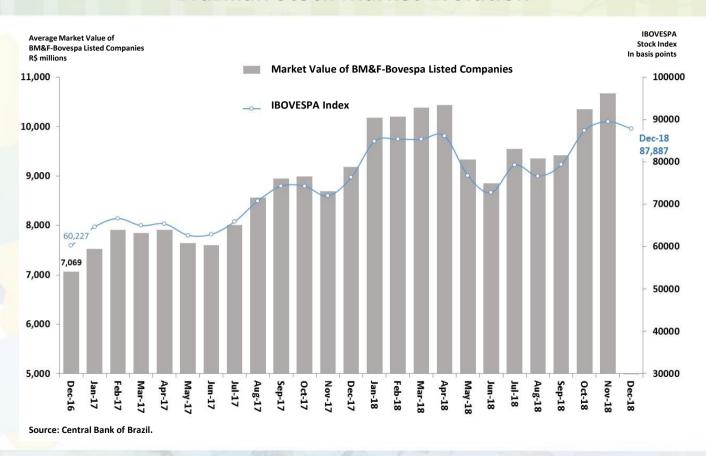
<sup>\*\*</sup> Ex-post Real Interest Rate = Observed 12-months accumulated CDI/IPCA ratio.

#### Domestic Federal Bond (NTN-B): Implicit Real Interest Rate

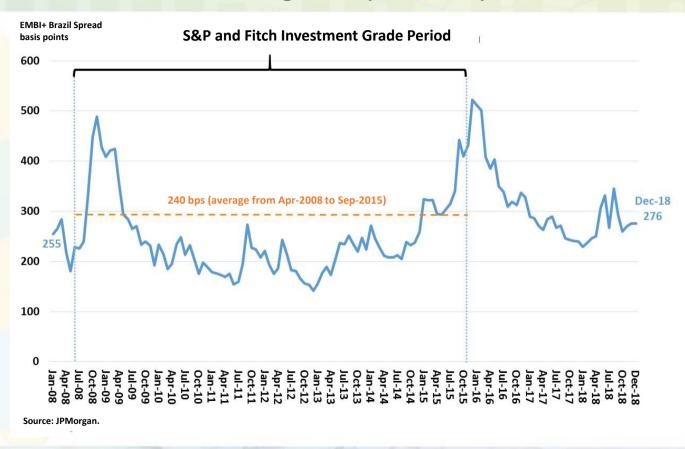


Source: STN/MF. \* Interest rate paid by the NTN-B 2024 besides the IPCA inflation rate.

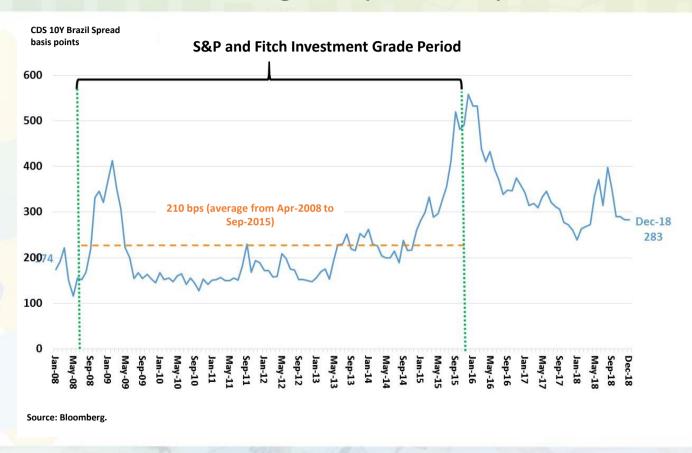
#### **Brazilian Stock Market Evolution**



#### Sovereign Risk (EMBI+ BR)



### Sovereign Risk (CDS 10Y BR)

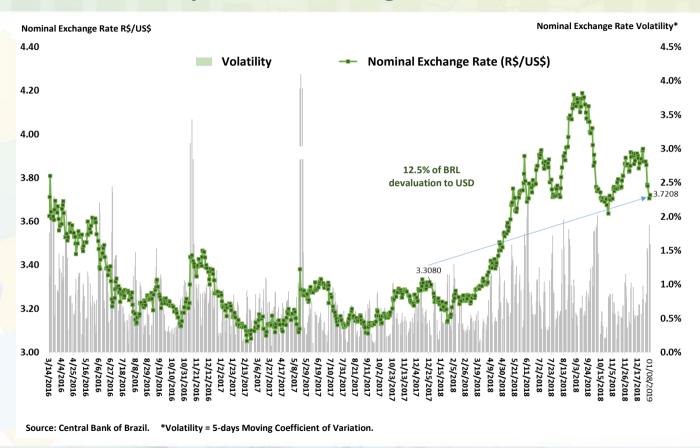




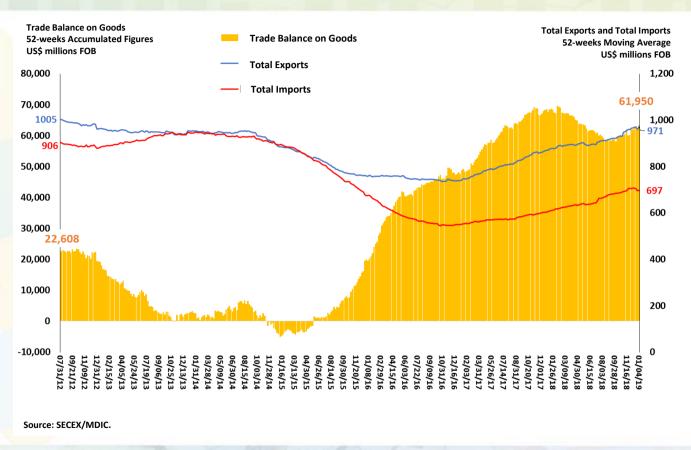
# **Foreign Trade**

											BCB/Focus:	01/04	4/2019
Exchange Rate Indicators (BCB)  FX % change rate: appreciation (-) or depreciation (+) of the Real	December-18	2016	2017	chg.% Oct/18- Oct/17	chg.% Nov/18- Nov/17	chg.% Dec/18- Dec/17	YTD 2017	Oct/18 accum. in 12-months	Nov/18 accum. in 12-months	Dec/18 accum. in 12-months	Average FX Rate 2018	Average FX Rate 2019	Average FX Rate 2020
Nominal Exchange Rate (R\$/US\$) - sale - end of period; month value:	3.8748	1.8%	-7.2%	13.5%	18.4%	17.1%	14.9%	11.6%	13.5%	14.9%	3.80	3.77	3.81
Exchange Rate Indicators (BCB)  FX % change rate: appreciation (-) or depreciation (+) of the Real	November-18	2016	2017	chg.% Sep/18- Sep/17	chg.% Oct/18- Oct/17	chg.% Nov/18- Nov/17	YTD 2017	Sep/18 accum. in 12-months	Oct/18 accum. in 12-months	Nov/18 accum. in 12-months			
0 11 17 1 17		-5.3%	-8.8%	19.3%	8.6%	6.9%	12.5%	10.7%	11.3%	11.8%			
Real Effective Exchange Rate (IPCA)													
Exchange Rate / Wage Ratio adjusted by Labor Productivity		-15.2%	-1.2%	17.6%	6.3%	5.7%	10.9%	11.3%	10.9%	10.7%			
Unitary Labor Cost in US\$		2.5%	7.4%	-20.7%	-15.2%	-13.6%	-12.4%	-9.7%	-10.7%	-11.7%			
Foreign Trade of Goods (FUNCEX) Average Price and Quantum	November-18	2016	2017	chg.% Sep/18- Sep/17	chg.% Oct/18- Oct/17	chg.% Nov/18- Nov/17	YTD 2017	Sep/18 accum. in 12-months	Oct/18 accum. in 12-months	Nov/18 accum. in 12-months			
			Ql	JANTUM									
Exports (X) Basic Goods Semi-Manufactured Manufactured	1	3.3% -2.7% 9.9% 7.9%	6.8% 13.2% 0.6% 2.7%	-1.5% 6.1% -1.2% -11.7%	12.2% 26.0% -3.3% 4.0%	22.6% 33.0% 7.4% 21.8%	2.7% 5.8% -4.6% 2.1%	4.3% 8.6% -3.6% 2.3%	3.3% 8.3% -5.8% 1.1%	4.9% 9.2% -5.1% 4.0%			
Imports (M)	100	-11.9%	5.3%	-3.3%	11.5%	21.5%	14.6%	12.9%	12.6%	13.6%			
Intermediate Goods		-7.4%	7.0%	-3.1%	10.7%	10.0%	7.0%	5.0%	5.2%	5.8%			
Capital Goods		-17.0%	-9.1%	-4.7%	18.7%	174.5%	85.5%	67.0%	65.4%	78.5%			
Durable Consumer Goods		-36.0%	8.5%	32.2%	19.8%	-9.9%	29.6%	34.8%	33.9%	30.4%			
Semi and Non-Durable Consumer Goods		-9.2%	8.2%	-8.6%	12.4%	-6.1%	4.3%	6.3%	5.9%	4.1%			
Fuel and Lubricants		-22.1% -8.2%	9.4%	-10.2% <b>20.4%</b>	4.1% <b>8.1%</b>	-8.5% <b>6.8%</b>	0.5% 10.8%	10.2% 8.6%	7.0%	4.2% 9.7%			
Exports Profitability Index  Quantum Ratio = average quantum X / average quantum M		15.6%	1.4%	1.6%	0.1%	1.5%	-10.0%	-7.3%	8.8% -7.9%	-7.3%			
Quantum Katio = average quantum X / average quantum W		13.076		PRICE	0.376	1.5/6	-10.076	-1.3/6	-1.5/6	-1.3/6			
Exports (X)		-6.2%	10.1%	5.0%	3.9%	2.2%	4.9%	4.7%	4.4%	4.6%			
Basic Goods		-6.7%	12.8%	10.9%	4.7%	5.3%	7.1%	6.2%	5.9%	6.1%			
Semi-Manufactured		-3.9%	11.7%	-1.6%	2.3%	-2.9%	1.7%	3.3%	3.1%	2.4%			
Manufactured		-5.9%	5.7%	3.0%	6.8%	2.5%	4.2%	3.5%	3.7%	4.2%			
Imports (M)		-8.9%	4.1%	8.3%	5.6%	5.6%	6.1%	6.2%	6.3%	6.4%			
Intermediate Goods		-7.7%	3.0%	8.0%	5.4%	5.4%	6.1%	6.2%	6.3%	6.4%			
Capital Goods		-5.0%	-3.2%	5.5%	-2.1%	-1.7%	-0.6%	-0.6%	-0.7%	-0.2%			
Durable Consumer Goods		-3.9%	2.0%	-3.8%	-10.6%	-0.2%	0.3%	2.4%	0.7%	0.6%			
Semi and Non-Durable Consumer Goods Fuel and Lubricants		-2.8%	-1.8%	-4.5%	1.1%	-1.3%	0.8%	0.6%	1.5%	1.0%			
Terms of Trade = average price X / average price M		-26.6% 3.1%	29.5% <b>5.8%</b>	31.6% -3.1%	24.6% -1.6%	22.9% -3.3%	20.8%	21.5% -1.5%	21.9% -1.8%	21.2% -1.7%			

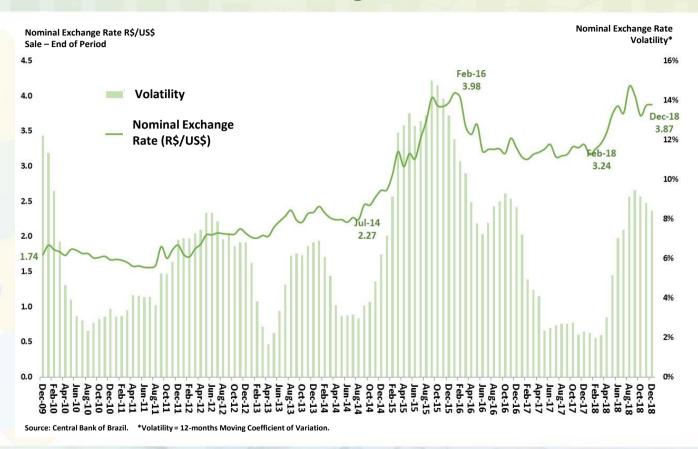
#### Daily Nominal Exchange Rate R\$/US\$



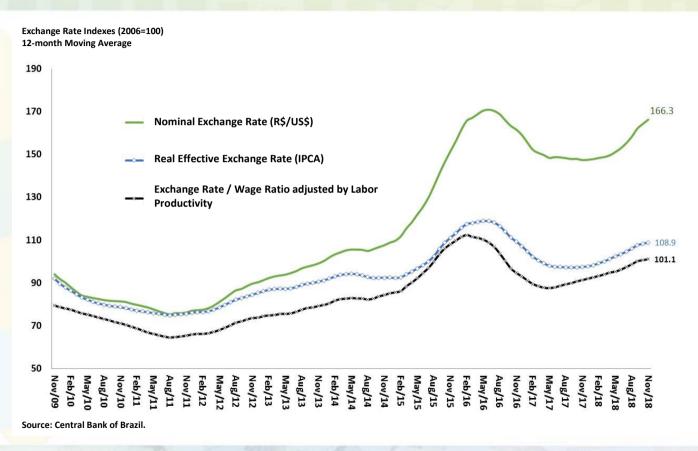
### Trade Balance on Goods (52 weeks daily average)



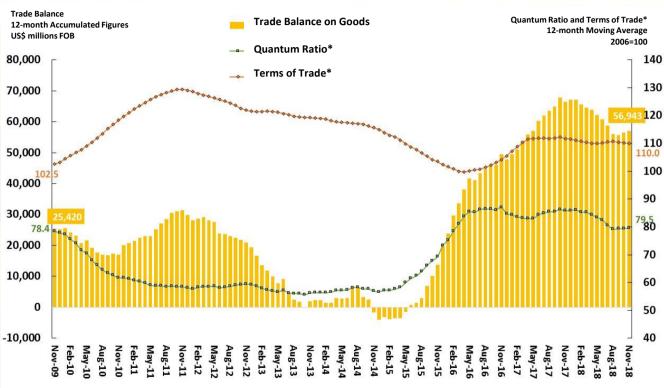
## Nominal Exchange Rate R\$/US\$



### **Exchange Rate Indexes**



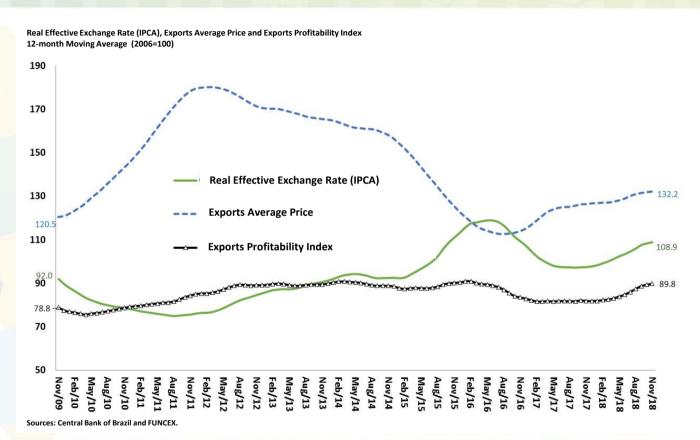
#### **Trade Balance, Quantum and Terms of Trade Ratios**



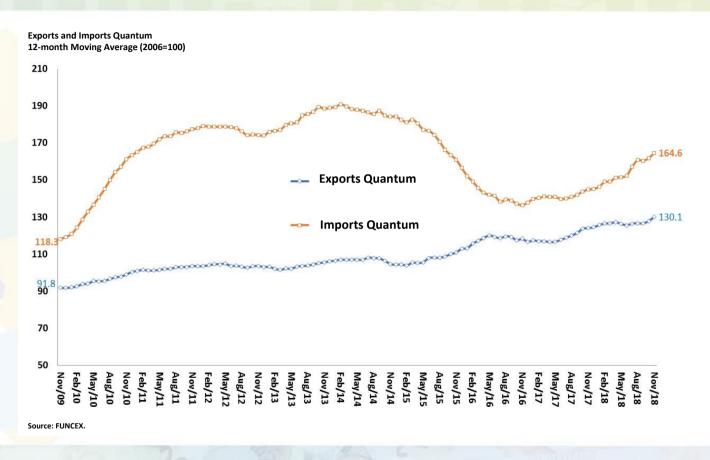
Sources: SECEX/MDIC and FUNCEX.

<sup>\*</sup> Quantum Ratio = (average quantum Exports / average quantum Imports)
Terms of Trade = (average price Exports / average price Imports)

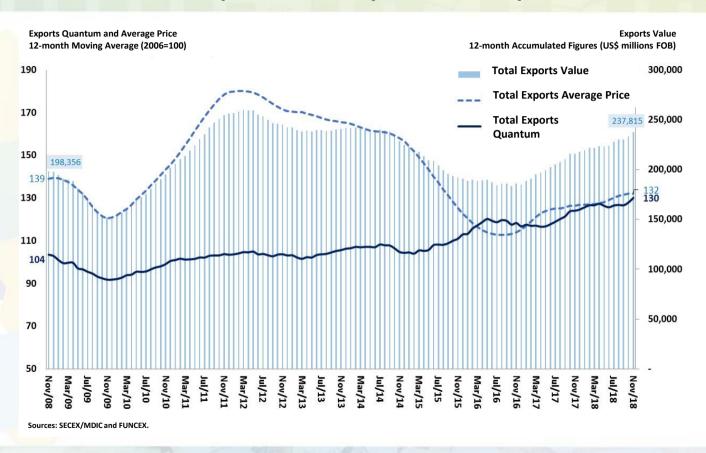
#### **Exports: Profitability, Price and Real Exchange Rate**



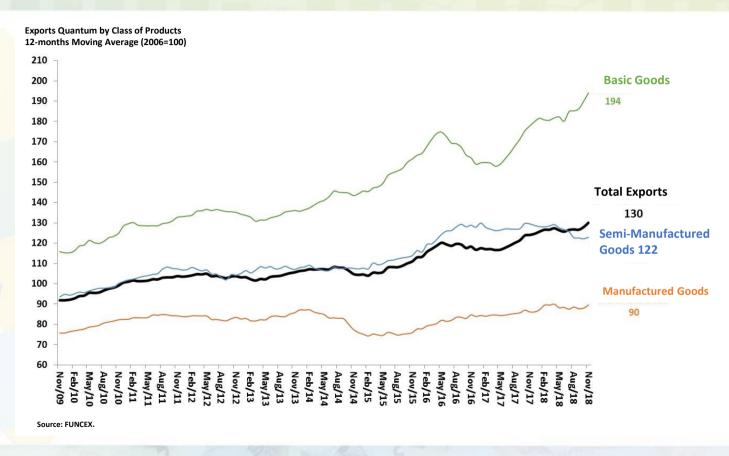
## **Quantum of Exports and Imports**



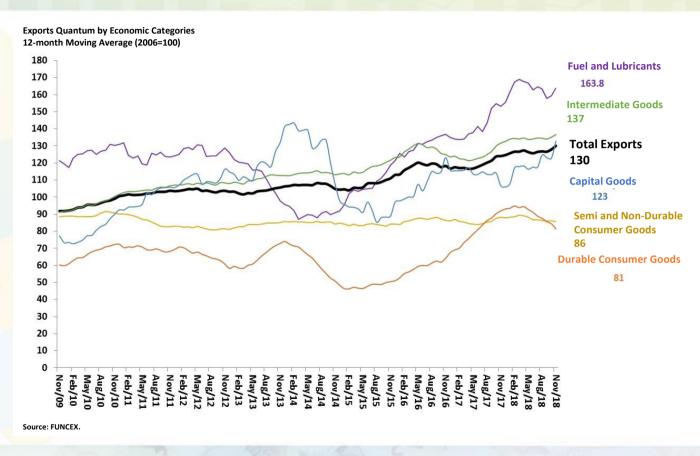
## Total Exports: value, quantum and price



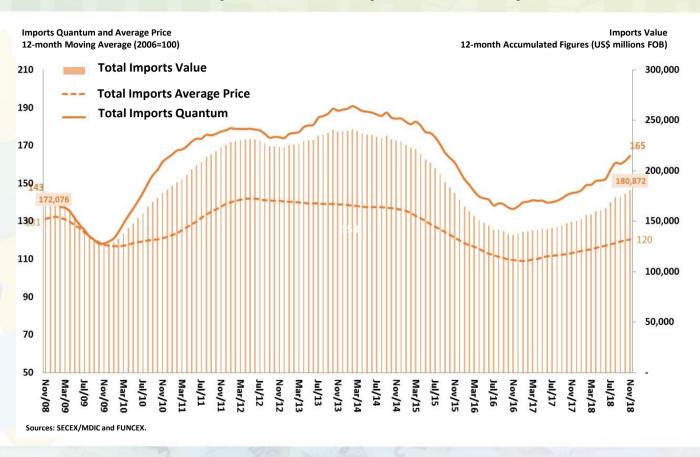
## **Quantum of Total Exports by Class of Products**



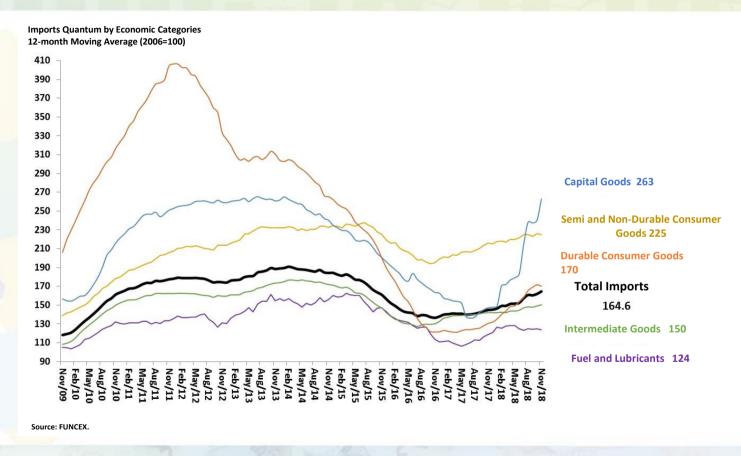
## **Quantum of Total Exports by Economic Categories**



## Total Imports: value, quantum and price



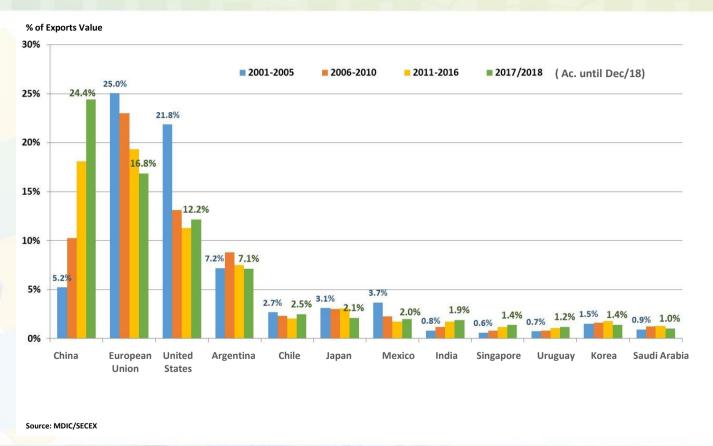
## **Quantum of Total Imports and by Economic Categories**



## **Brazilian Commodity Price Indexes**



## **Brazilian Exports Evolution by Country of Destination**

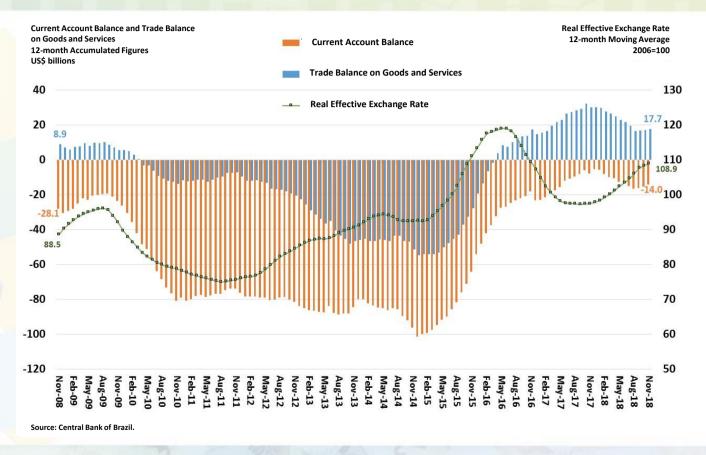




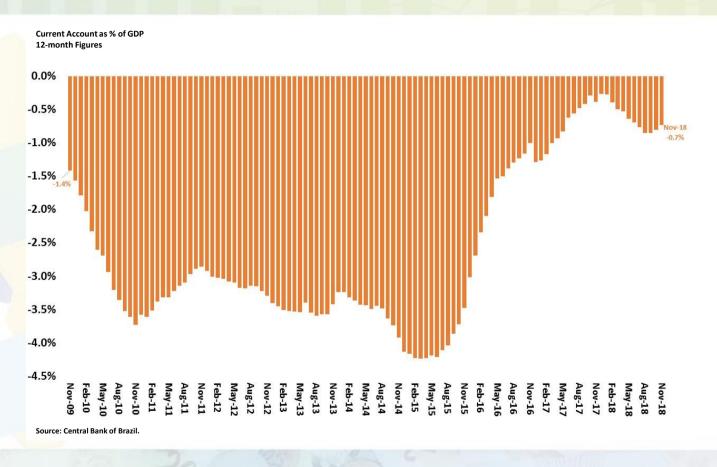
## **External Sector**

										BCB/Focus:	01/04	/2019
Balance of Payments (BCB) November-1 In US\$ millions	3 2016	2017	Nov/18 accum. in 12-months	chg.% 2017 / 2016	chg.% Nov/18 accum. 12-m / 2017	chg.% Oct/18 - Oct/17	chg.% Nov/18 - Nov/17	chg.% - Jan Oct/18 - Jan-Oct/17	chg.% - Jan Nov/18 - Jan-Nov/17	2018	2019	2020
Balance of Payments	13,476	6,413	6,163	-52.4%	-3.9%	515.7%	-33.0%	-41.5%	-3.7%			
Current Account Balance (CAB)	-23,156	-5,487	-14,020	-76.3%	155.5%	-149.2%	-63.2%	-81.0%	238.3%	-15.0	-26.0	-38.0
CAB as % of GDP	-1.3%	-0.3%	-0.7%	1.0 pp	-0.5 pp	-0.5 pp	-0.4 pp					
Balance on Goods	45,037	64,028	52,050	42.2%	-18.7%	11.4%	10.2%	45.4%	-20.2%	50.9	45.2	43.0
Exports	184,453	217,243	237,092	17.8%	9.1%	16.6%	25.3%	18.5%	9.9%	246.0	257.1	273.0
Imports	139,416	153,215	185,042	9.9%	20.8%	16.4%	-13.2%	11.5%	1.7%	195.1	212.0	230.0
Balance on Services	-30,447	-33,850	-34,354	11.2%	1.5%	16.4%	-13.2%	11.5%	1.7%			
Primary Income	-40,691	-38,297	-34,668	-5.9%	-9.5%	-26.1%	-20.7%	-1.3%	-10.4%			
Secondary Income	2,944	2,632	2,951	-10.60%	12.1%	45.1%	113.3%	-23.1%	15.4%			
Capital Account	274	379	422	38.6%	11.3%	-53.2%	1555.6%	41.1%	11.5%			
Financial Account	-9,407	1,305	-7,435	-113.9%	-669.7%	-169.8%	-97.6%	-148.0%	-253.1%			
Direct Investments	-57,832	-49,157	-66,078	-15.0%	34.4%	16.2%	96.0%	-1.6%	33.5%			
Foreign Direct Investments (FDI)	72,525	68,510	80,686	-5.5%	17.8%	17.6%	123.7%	7.7%	18.6%	75.0	79.5	84.4
Portfolio Investments	18,993	14,042	9,043	-26.1%	-35.6%	-172.2%	72.4%	-35.6%	-43.5%			
Stock Market	-7,503	-2,482	915	-66.9%	-136.9%	-93.5%	-877.0%	-82.8%	-274.5%			
Bonds	30,726	9,713	5,432	-68.4%	-44.1%	-82.9%	62.7%	-81.9%	-83.3%			
Others Investments and Capital Flows	29,433	36,421	49,600	23.7%	36.2%	15.1%	-12132.3%	61.6%	31.0%			
International Reserves - liquidity concept	365,016	373,972	379,722	2.5%	1.5%	0.0%	-0.4%					
Gross External Debt (BCB) November-1 In US\$ millions	2016	2017	Nov-18	2016 % of total	Nov/18 % of total	chg. pp	2016 % of GDP	Nov/18 % of GDP	chg. pp			
Total External Debt	675,841	667,103	674,792	100.0%	100.0%		37.6%	33.5%	-4.1 pp			
Gross External Debt	326,297	317,305	311,595	48.3%	46.2%	-2.1 pp	18.2%	15.5%	-2.7 pp			
Public Sector	74,379	75,791	73,848	22.8%	23.7%	0.9 pp	4.1%	3.7%	-0.5 pp			
Private Sector and Public Financial Sector	251,918	241,514	237,748	77.2%	76.3%	-0.9 pp	14.0%	11.8%	-2.2 pp			
Short Term	56,327	51,287	61,623	17.3%	19.8%	2.5 pp	3.1%	3.1%	-0.1 pp			
Medium and Long Term	269,970	266,018	249,973	82.7%	80.2%	-2.5 pp	15.0%	12.4%	-2.6 pp			
Intercompany Loans	222,344	227,841	235,998	32.9%	35.0%	2.1 pp	12.4%	11.7%	-0.7 pp			
Domestic Bonds with Foreign Investors	127.199	121.956	127.199	18.8%	18.9%	0.0 pp	7.1%	6.3%	-0.8 pp			

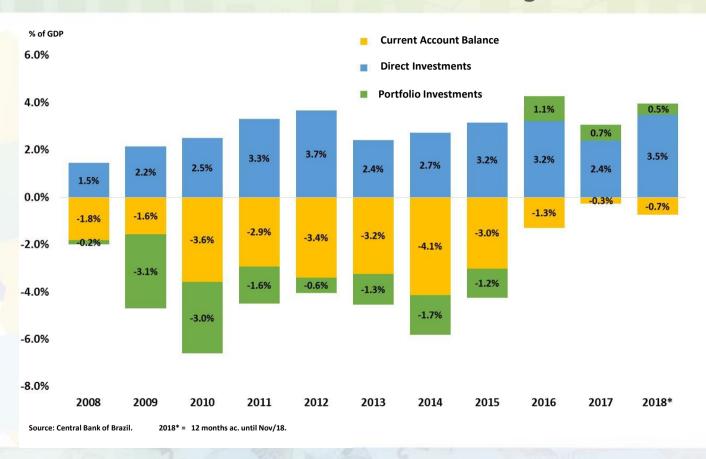
#### **Brazil: Real Exchange Rate and External Sector Adjustment**



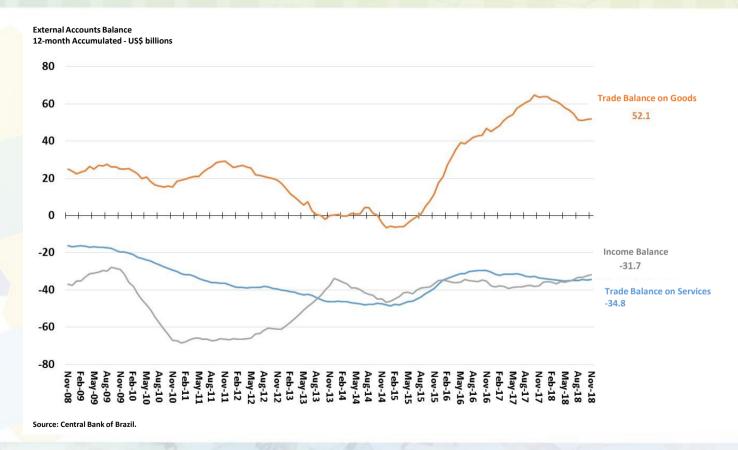
#### **Current Account Deficit as % of GDP**



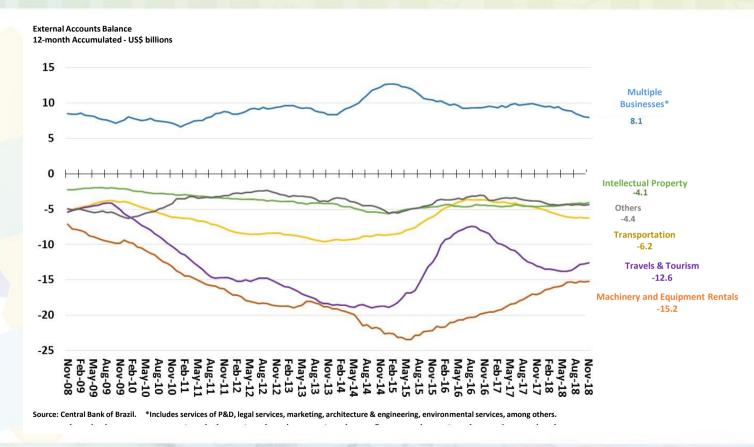
## **Current Account Deficit Financing**



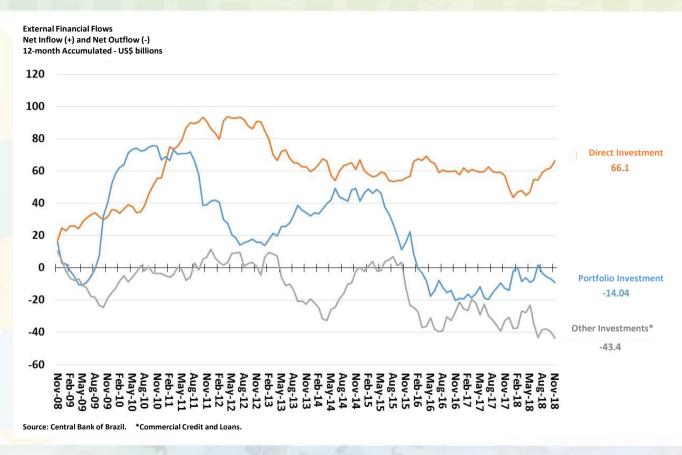
## **Current Account Balance Components**



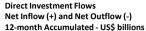
## **Service Account Balance and Components**

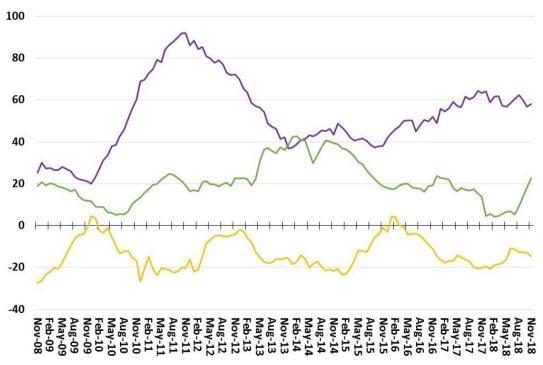


## **Financial Account Balance and Components**



## **Direct Investments and Components**





**FDI – Equity Participation** 

58.0

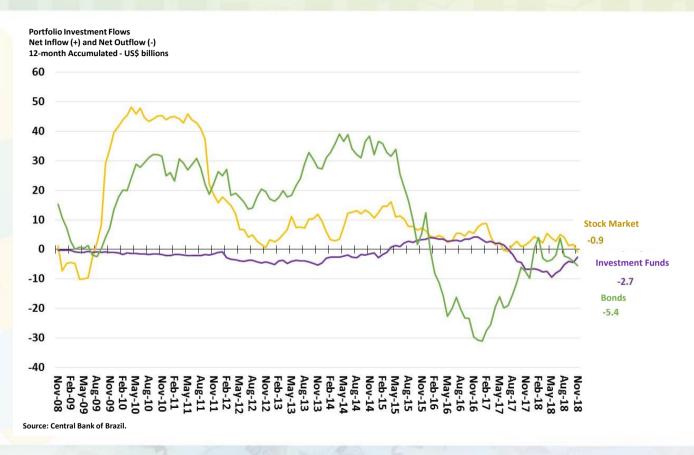
FDI – Intercompany Operations 22.7

Direct Investments Abroad

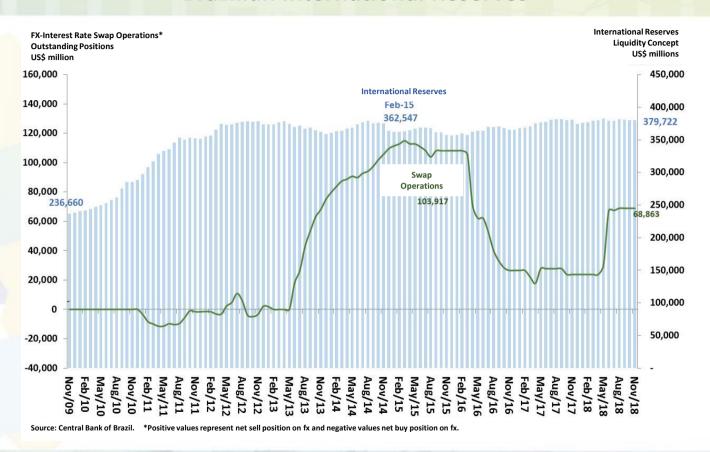
-14.6

Source: Central Bank of Brazil.

## **Portfolio Investments and Components**



#### **Brazilian International Reserves**

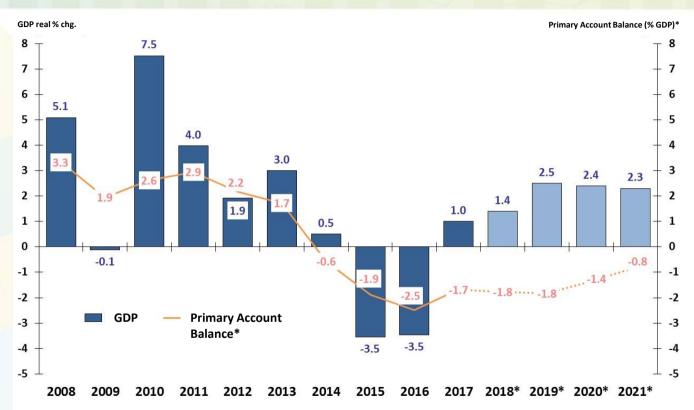




## **Public Sector Accounts**

											BCB/Focus:	01/04	4/2019
Federal Government Accounts	November-18	er-18 12-month Acummulated Figures (in R\$ millions) chg. %											
Federal Budget (National Treasury/Mnistry of Finance)		2013	2014	2015	2016	2017	Nov/18 accum. in 12- months	2016 / 2015	Dec/17 accum. 12- m / 2016	YTD 2018 / YTD 2017			
otal Primary Revenue (a)		157,550	1,221,474	1,247,789	1,314,953	1,383,082	1,491,289	5.2%	7.8%	8.8%			
National Treasury		871,836	883,971	897,517	956,816	1,008,297	1,104,439	5.4%	9.5%	10.6%			
Social Security General System		307,147	337,503	350,272	358,137	374,785	386,850	4.6%	3.2%	3.7%			
states and Municipalities Mandatory Transfers (b)		181,895	198,462	204,684	226,835	228,335	253,639	0.7%	11.1%	12.4%			
let Primary Revenue (a-b)		997,088	1,023,013	1,043,105	1,088,118	1,154,746	1,237,650	6.1%	7.2%	8.1%			
otal Primary Expenditure		920,095	1,040,223	1,159,535	1,249,393	1,279,008	19,217	2.4%	5.6%	6.4%			
National Treasury		563,092	646,022	723,445	741,522	721,773	768,336	-2.7%	6.5%	7.4%			
Social Security General System		357,003	394,201	436,090	507,871	557,235	582,837	9.7%	4.6%	5.1%			
ederal Government Accounts	November-18	12-month Acummulated Figures (in R\$ millions)						% of GDP					
Federal Budget (National Treasury/Ministry of Finance)		2013	2014	2015	2016	2017	Nov/18 accum. in 12- months	2016	2017	Nov/18 accum. in 12-months			
Primary Account Balance of Federal Government (STN/MF)		76,994	-17,211	-116,430	-161,276	-124,261	-113,523	-2.6%	-1.9%	-1.7%			
National Treasury		126,850	39,487	-30,612	-11,542	58,189	82,464	-0.2%	0.9%	1.2%			
Social Security General System		-49,856	-56,698	-85,818	-149,734	-182,450	-195,988	-2.4%	-2.8%	-2.9%			
Consolidate Public Sector Accounts	November-18		12-monti	Acummulated	Figures (in R\$	millions)			% of GDP				
Public Sector Financial Need (Central Bank of Brazil - BCB)		2013	2014	2015	2016	2017	Nov/18 accum. in 12- months	2015	2016	Nov/18 accum. in 12-months	2018	2019	2020
Primary Account Balance Target (% GDP)											-1.78%	-1.84%	-1.36%
Primary Account Balance		-91,306	32,536	111,249	155,791	110,583	99,447	2.5%	1.7%	1.5%	-1.8%	-1.4%	-0.8%
Federal Government		-75,291	20,472	116,656	159,473	-3,361	105,581	2.5%	1.8%	1.5%			
States and Municipalities		-16,337	7,790	-9,684	-4,666	-7,498	-3,187	-0.1%	-0.1%	0.0%			
State Owned Companies (except Petrobrás and Eletrobrás)		322	4,274	4,278	983	-362	-2,947	0.0%	0.0%	0.0%			
Net Financial Public Expenditure (Debt Interest Payments)		248,856	311,380	501,786	407,024	400,826	385,594	6.5%	6.1%	5.6%			
lominal Account Balance		157,550	343,916	613,035	562,815	511,408	485,041	9.0%	7.8%	7.1%	-7.0%	-6.5%	-6.0%
General Public Sector Debt (BCB)	November-18		Debt Outstanding (in R\$ millions) chg. %										
End of Period Debt Outstanding (in R\$ millions)		Dec-13	Dec-14	Dec-15	Dec-16	Dec-17	Nov-18	dez/yy - dez/yy	dez/yy - dez/yy	Nov/18 - Dec/17	2018	2019	2020
Consolidated Public Sector		1,626,335	1,883,147	2,136,888	2,892,913	3,382,942	3,644,412	35.38%	16.94%	7.73%			
Federal Government		1,025,358	1,200,680	1,312,962	2,090,133	2,534,119	2,724,796	59.2%	21.2%	7.5%			
States and Municipalities		569,794	643,066	771,635	747,503	789,403	857,705	-3.1%	5.6%	8.7%		l	
State Owned Companies (except Petrobrás and Eletrobrás)		31,183	39,402	52,292	55,278	59,420	61,911	5.7%	7.5%	4.2%			
Net Domestic Debt		2,341,011	674,096	3,289,112	3,856,985	4,393,145	4,812,413	17.3%	13.9%	9.5%		l	
Net External Debt		-714,676	-786,400	-1,152,224	-964,072	-1,010,203	-1,168,001	-16.3%	4.8%	15.6%			
Seneral Public Sector Net Debt (% GDP)		30.5%	32.6%	35.6%	46.2%	51.6%	53.3%	10.6 pp	5.4 pp	1.7 pp	54.0%	56.7%	58.7%
Seneral Public Sector Gross Debt (% GDP)		51.5%	56.3%	65.5%	70.0%	74.0%	77.3%	4.5 pp	4.1 pp	3.3 pp			
General Public Sector Gross Debt (in R\$ millions)		3,177,361	3,560,826	4,300,759	4,853,850	5,449,151	5,830,454	12.86%	12.26%	7.00%		l	

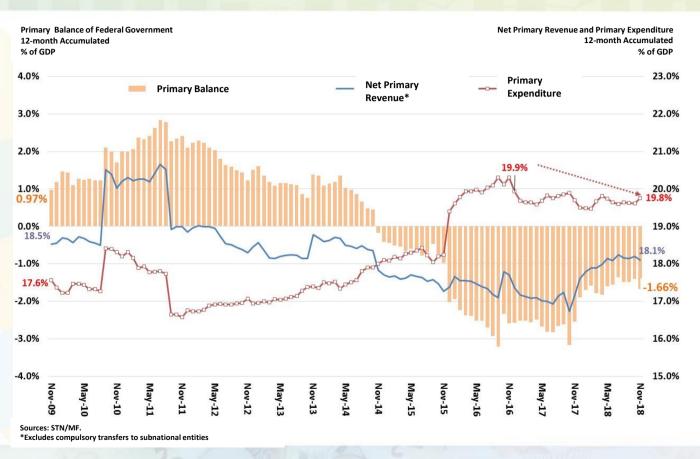
## Fiscal Adjustment and Economic Recovery



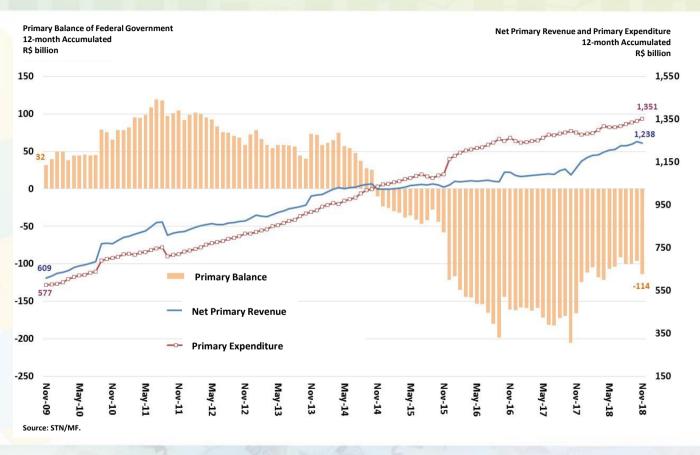
Sources: IBGE, MF and MP.

<sup>\*</sup> Annex IV-Fiscal Targets of 2017 Budgetary Guidelines Bill of Law (LDO 2018) and Macroeconomic Projections from Nov-2018 - SPE/MF.

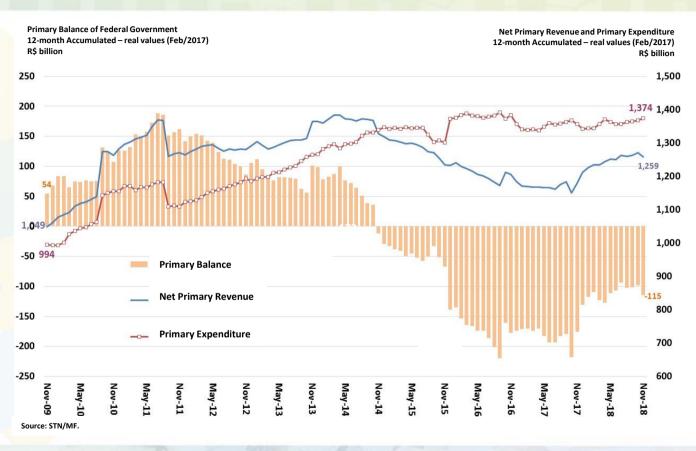
## **Primary Balance of Federal Government (as % GDP)**



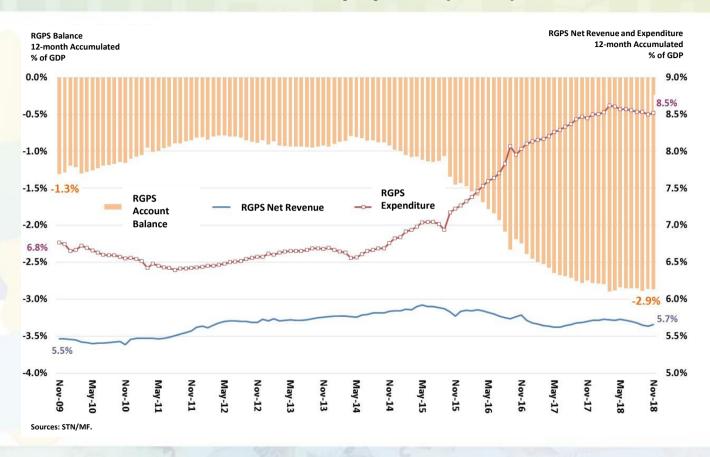
## **Primary Balance of Federal Government (nominal values)**



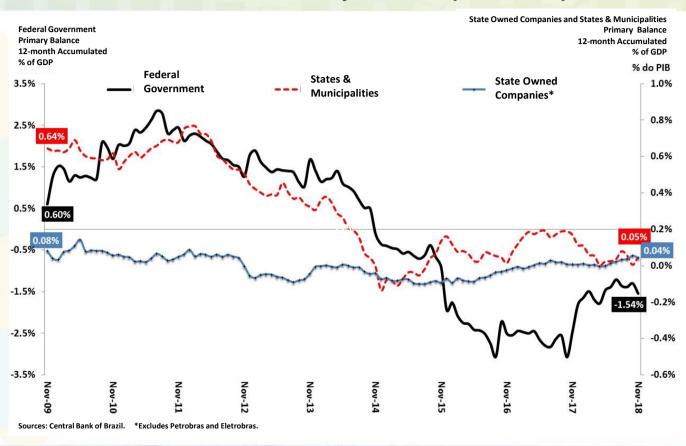
## **Primary Balance of Federal Government (real values)**



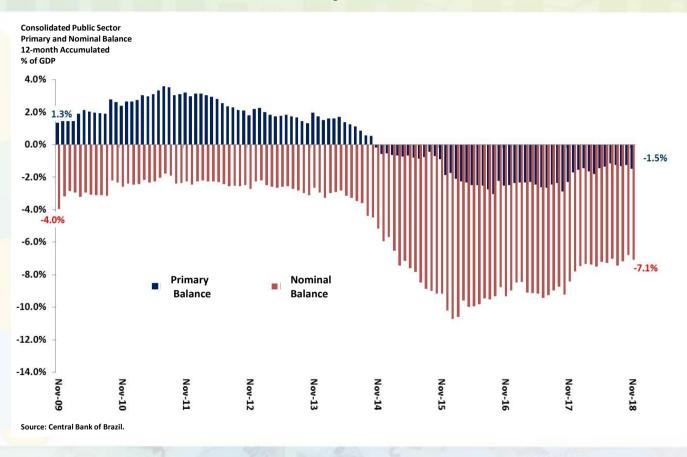
## **General Social Security System (RGPS) Balance**



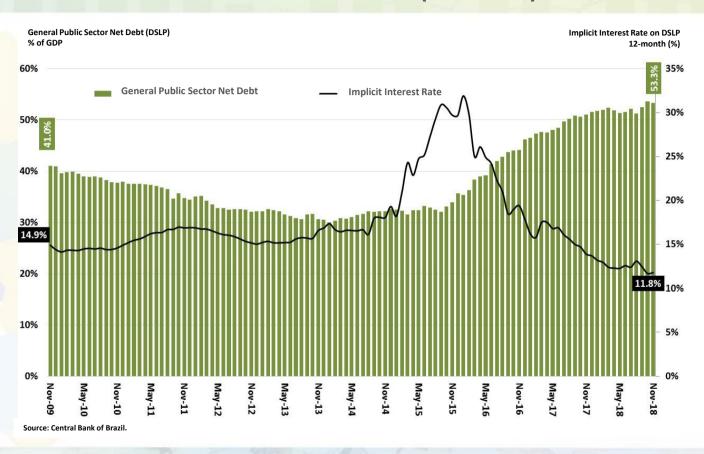
## **Public Sector Primary Balance (as % GDP)**



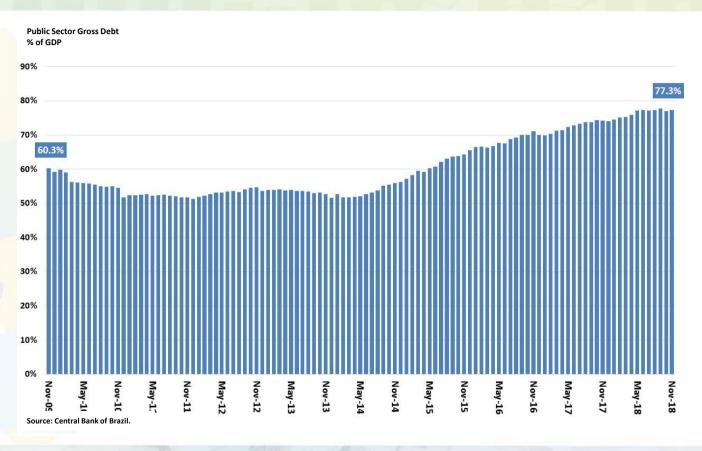
## **Public Sector Primary and Nominal Balance**

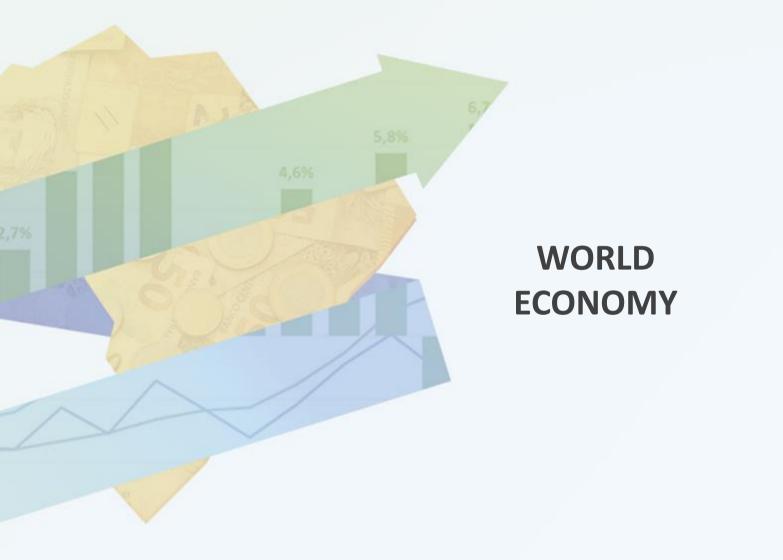


## **Public Sector Net Debt (as % GDP)**



## **Public Sector Gross Debt (as % GDP)**

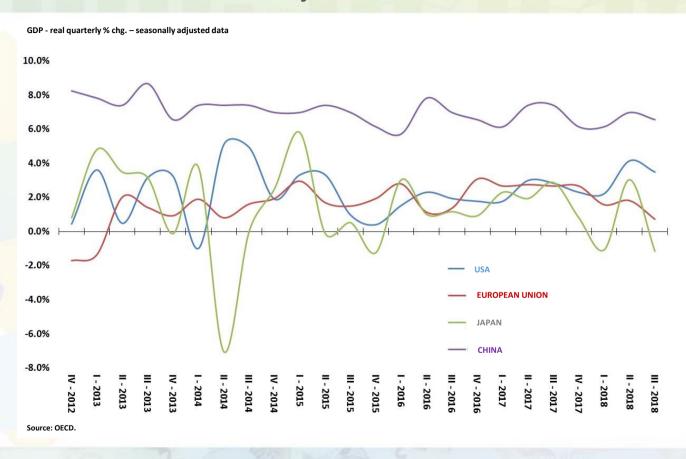




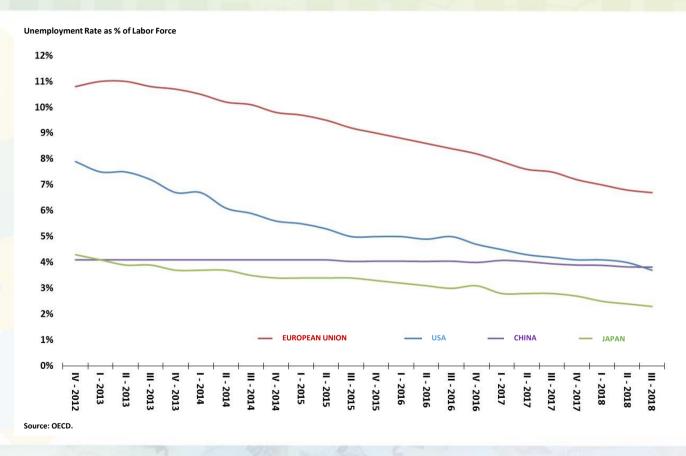
# **World Economy**

											IMF - WEO, O	October 2018.
World Q4 2017	2013	2014	2015	2016	2017	Q4-2015 / Q4-	Q4-2016 / Q4-	Q4-2017 / Q4-			2018	2019
data from IMF and WTO	20.0				20	2014	2015	2016				
World Output - GDP	3,5%	3,6%	3,5%	3,2%	3,7%	3,2%	3,2%	3,7%			3,7%	3,7%
Advanced Economies	1,3%	2,1%	2,3%	1,7%	2,4%	1,8%	2,0%	2,3%			2,4%	2,1%
Emerging Market and Developing Economies	5,1%	4,7%	4,3%	4,4%	4,7%	4,4%	4,4%	4,8%			4,7%	4,7%
Latin America and the Caribbean	2,9%	1,3%	0,3%	-0,6%	1,3%	-1,1%	-1,1%	1,3%			1,2%	2,2%
World Trade of Goods and Services	3,6%	3,8%	2,8%	2,2%	5,2%	1,4%	0,9%	4,9%			4,2%	4,0%
National Accounts Q3 2018 data from IMF, OECD, Eurostat, NBSC and METI	2013	2014	2015	2016	2017	Q2-2018 / Q2- 2017	Q3-2018 / Q3- 2017	Q1-2018 accum. in 4- quarters	Q2-2018 accum. in 4- quarters	Q3-2018 accum. in 4- quarters	2018	2019
USA - GDP	1,8%	2,5%	2,9%	1,6%	2,2%	2,9%	3,0%	2,4%	2,6%	2,7%	2,9%	2,5%
Household Expenditure	1,5%	2,9%	3,7%	2,7%	2,5%	2,6%	3,0%	2,5%	2,5%	2,7%		
Government Expenditure	-2,4%	-0,9%	1,9%	1,4%	-0,1%	1,3%	2,3%	0,1%	0,4%	1,1%		
Gross Fixed Capital Formation	6,9%	5,4%	4,8%	-1,3%	4,8%	4,6%	6,0%	5,6%	5,7%	5,5%		
Exports of Goods and Services	3,6%	4,3%	0,6%	-0,1%	3,0%	5,7%	3,6%	3,5%	4,2%	4,6%		
Imports of Goods and Services (-)	1,5%	5,1%	5,5%	1,9%	4,6%	4,2%	5,7%	4,8%	4,7%	5,1%		
Industrial Production	3,7%	4,9%	-1,8%	-1,0%	3,6%	3,6%	5,0%	1,0%	3,2%	4,1%		
Unemployment (% of Labor Force)	7,4%	6,2%	5,3%	4,9%	4,3%	-0,30 pp	-0,1 pp	4,2%	4,1%	4,0%	4,1%	4,2%
Consumer Price Index	1,5%	0,8%	0,7%	2,1%	2,1%	2,9%	2,6%	2,1%	2,4%	2,4%	2,3%	2,1%
European Union - GDP	0,3%	1,7%	2,3%	1,9%	2,4%	2,2%	1,9%	2,6%	2,5%	2,2%	2,2%	2,0%
Household Expenditure	-0,1%	1,2%	2,1%	2,4%	1,9%							
Government Expenditure	0,4%	1,1%	1,4%	1,6%	1,0%							
Gross Fixed Capital Formation	-1,3%	2,8%	4,8%	2,9%	3,1%							
Exports of Goods and Services	2,3%	4,6%	6,3%	3,1%	5,4%							
Imports of Goods and Services (-)	1,8%	5,1%	7,1%	4,1%	4,4%							
Industrial Production	-0,5%	1,2%	2,3%	1,3%	4,7%	1,5%		3,0%	3,4%			
Unemployment (% of Labor Force)	10,8%	10,2%	9,4%	8,7%	7,6%	-0,6 pp	-0,2 pp	7,4%	7,2%	7,0%	7,6%	7,6%
Consumer Price Index	1,0%	0,0%	0,2%	0,9%	1,7%	2,0%	2,2%	1,6%	1,8%	1,8%	1,9%	1,9%
Japan - GDP	2,0%	0,4%	1,4%	0,9%	1,7%	1,4%	0,4%	1,7%	1,6%	1,2%	1,1%	0,9%
Industrial Production	-0,7%	2,1%	-0,9%	-0,2%	4,5%	2,0%		2,4%	3,8%			
Unemployment (% of Labor Force)	4,0%	3,6%	3,4%	3,1%	2,8%	-0,4 pp	0,0 pp	2,7%	2,6%	2,6%	2,9%	2,9%
Consumer Price Index	1,5%	2,5%	0,2%	-0,1%	1,0%	0,7%	1,1%	0,8%	0,9%	0,9%	0,8%	1,5%
China - GDP	7,8%	7,3%	6,9%	6,7%	6,9%	6,7%	6,5%	6,8%	6,8%	6,7%	6,6%	6,2%
Industrial Production	9,9%	7,9%	6,6%	6,0%	6,1%	6,6%	6,0%	7,2%	7,9%			
Unemployment (% of Labor Force)	4,1%	4,1%	4,1%	4,0%	4,0%	-0,2 pp		3,9%	3,9%		4,0%	4,0%
Consumer Price Index	2,5%	1,5%	1,6%	2,0%	1,8%	1,9%	2,3%	1,8%	1,9%	2,0%	2,2%	2,4%

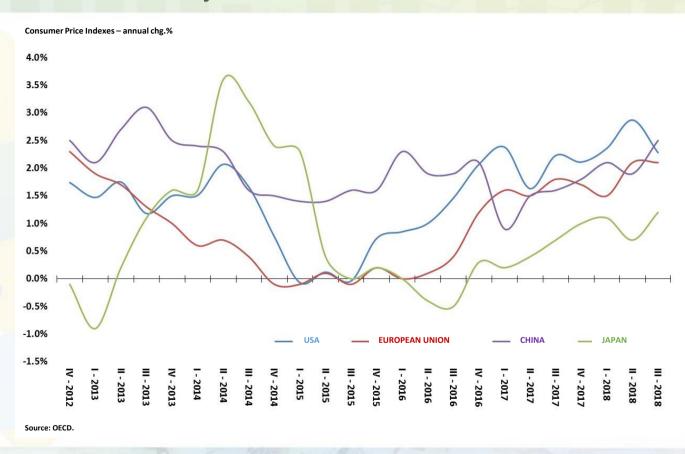
## **World Major Economies GDP**



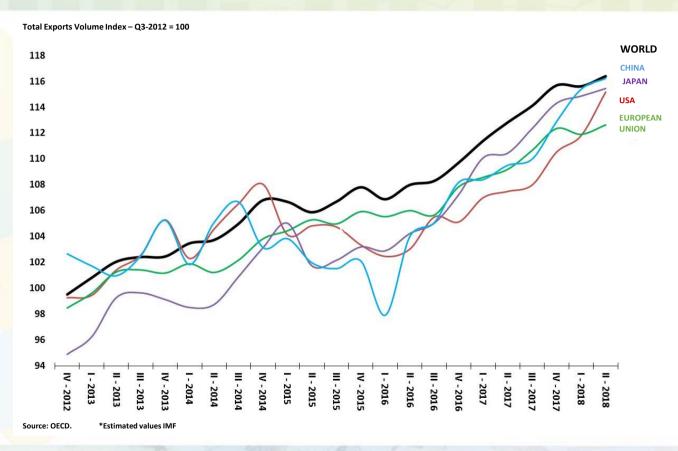
## **World Major Economies Unemployment Rate**



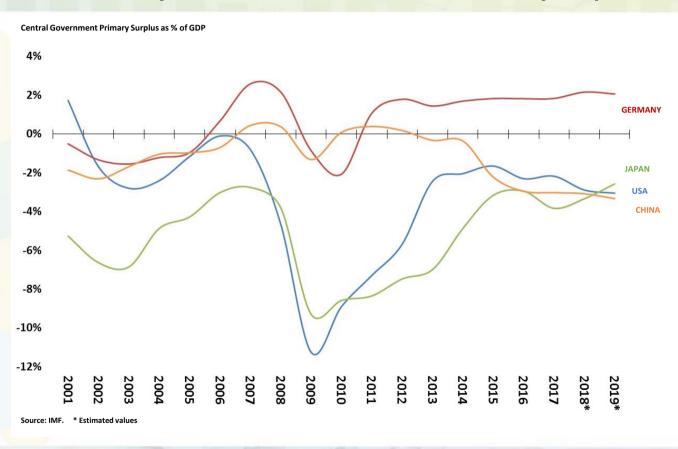
## **World Major Economies Consumer Price Index**



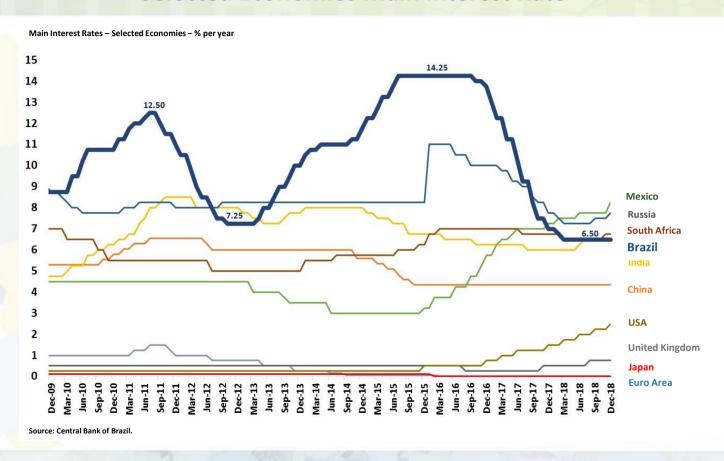
## **World Major Economies Total Exports**



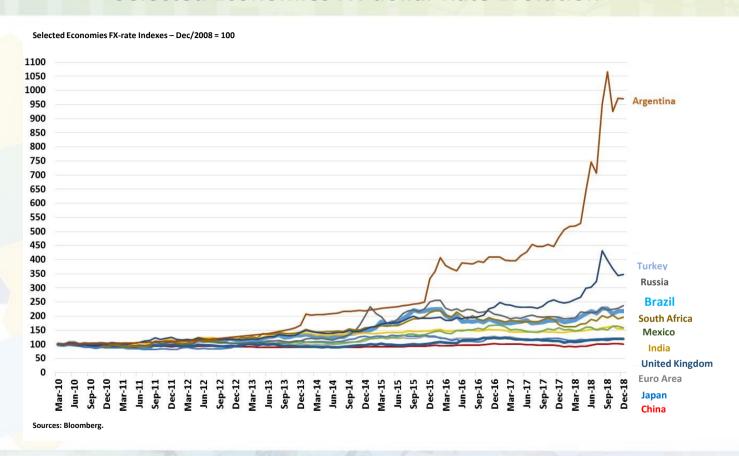
## **World Major Economies Government Primary Surplus**



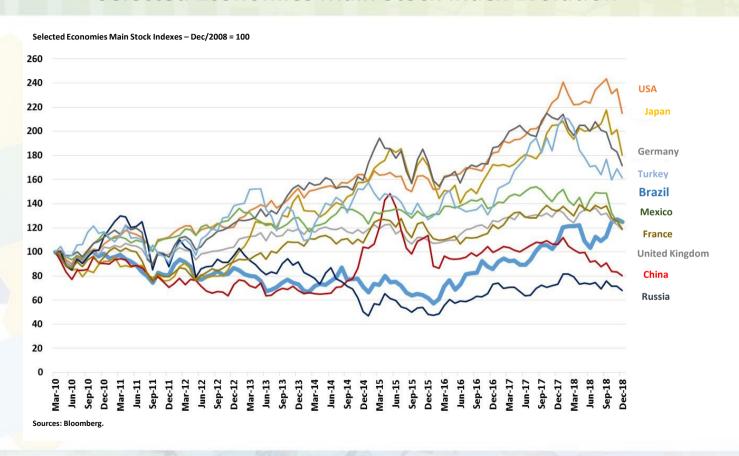
#### **Selected Economies Main Interest Rate**



#### Selected Economies FX-dollar Rate Evolution



#### Selected Economies Main Stock Index Evolution



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EXECUTIVE SECRETARY - MARCELO PACHECO DOS GUARANYS

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