Macroeconomic Outlook

November 2022

11/17/2022



Macroeconomic Outlook

November 2022

Macroeconomic Outlook is a report prepared by the Office of Economic Policy (SPE) of the Ministry of Economy with the most relevant economic data and forecasting about Brazil.

This report is entirely descriptive and it does not imply or suggests policy decisions neither does it limit the operational scope of the Ministry of Economy.

Data valid up to the date of the report.

Macroeconomic Outlook

November 2022

Contents

Market Expectations24	
Economic Activity	_
GDP and Quarterly Economic Activity 3	4
Monthly Economic Activity 5	1
Other Monthly Economic Activity Indicators 6	2
Labor Market8	1
Inflation9	1
Credit Market10)6
Financial Markets12	20
Foreign Trade13	31
External Sector14	.9
Public Sector Accounts16	5C
World Economy17	

Highlights

Macroeconomic Parameters											
	Gross Domestic Product										
Year	Nominal			Real	Deflator						
	BRL million	Chg. %	Chg. %	Per Capita chg. %	Chg. %						
2016	6,269,328	4.56	-3.28	-4.07	8.07						
2017	6,585,479	5.04	1.32	0.52	3.66						
2018	7,004,142	6.36	1.78	0.96	4.49						
2019	7,389,131	5.50	1.22	0.43	4.21						
2020	7,467,615	1.06	-3.88	-4.61	5.14						
2021	8,679,490	16.23	4.62	3.85	11.10						
2022	9,639,053	11.06	2.70	1.98	8.12						
2023	10,403,618	7.93	2.10	1.41	5.69						
2024	11,173,854	7.40	2.50	1.84	4.77						
2025	11,953,293	6.98	2.50	1.87	4.35						
2026	12,719,805	6.41	2.23	1.63	4.07						

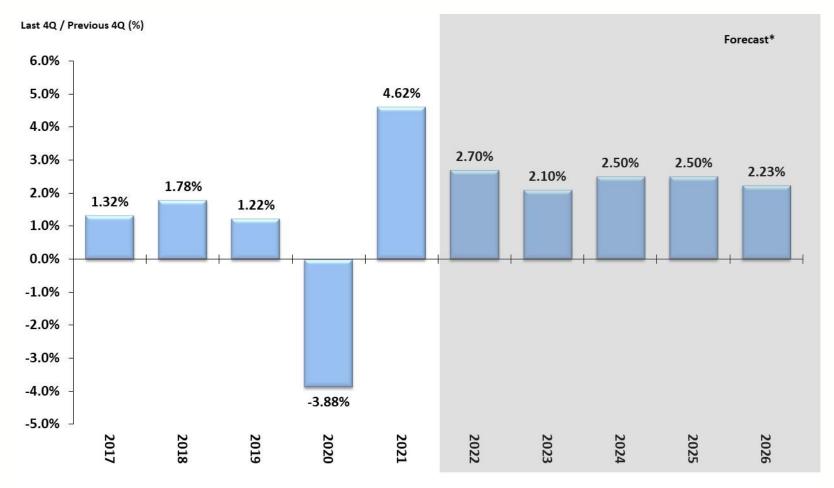
Macroeconomic Parameters										
Industrial Activity - Annual chg. %										
Year	Manuf	acturing	Beve	rages	Veh	icles				
Teal		Produ	ction		Domestic \	Wholesale				
	Price	Quantity	Price	Quantity	Price	Quantity				
2016	8.06	-5.98	7.60	-3.09	6.10	-17.53				
2017	1.76	2.23	4.34	0.78	4.26	12.31				
2018	8.35	1.11	2.67 0.87		3.30	13.05				
2019	4.31	0.19	2.86 4.25		2.97	10.38				
2020	9.13	-4.60	0.87 -0.19		4.15	-25.84				
2021	31.85	4.32	4.14	0.28	12.62	1.04				
2022	17.77	-0.47	9.76	3.84	12.64	-3.75				
2023	1.50	0.21	7.40	2.62	4.02	9.19				
2024	3.23	1.92	6.02	3.63	3.21	12.45				
2025	4.37	2.08	5.97	3.39	2.73	8.50				
2026	4.62	1.76	5.97	2.92	2.45	7.66				

Macroeconomic Parameters									
			Formal Jobs i	n Private Sec	tor				
Year	Labor Force	Employed Population	Earni	ngs	Wage	Bill			
Teal		Employed Population	Nominal	Real	Nominal	Real			
		Chg. % acc	um. In 4-trimeste	rs					
2016	1.32	-4.28	7.65	-1.03	3.04	-5.26			
2017	1.70	-2.76	5.90	2.36	2.99	-0.46			
2018	1.20	-0.58	3.43	-0.22	2.84	-0.79			
2019	1.77	1.43	3.35	-0.37	4.83	1.06			
2020	-5.88	-6.91	5.84	2.54	-1.51	-4.56			
2021	4.35	2.56	2.70	-5.10	5.37	-2.75			
2022	3.42	9.38	8.61	-0.71	18.86	8.74			
2023	2.69	4.40	6.54	2.04	11.18	6.50			
2024	2.02	2.54	4.62	1.01	7.27	3.58			
2025	2.17	2.47	4.06	1.03	6.63	3.53			
2026	2.29	2.86	4.39	1.36	7.37	4.25			

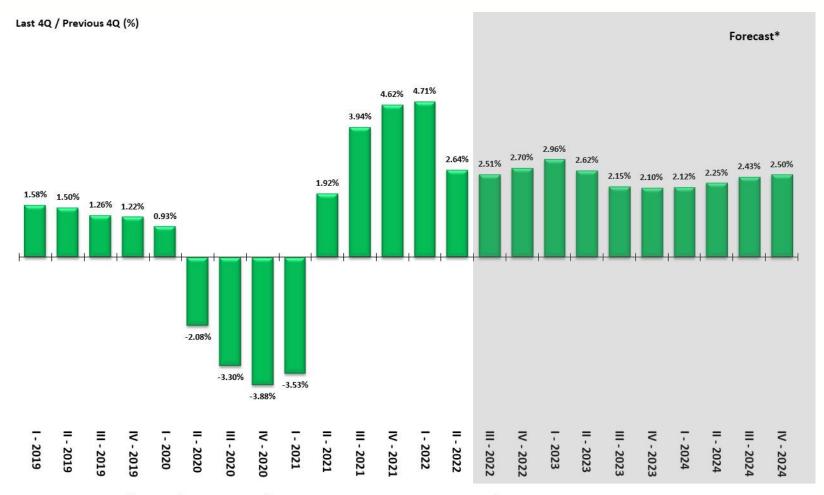
Macroeconomic Parameters											
	Inflation										
	IP	CA	IN	PC	IGP	P-DI					
Year	Annual	Annual	Annual	Annual	Annual	Annual					
	Average	Accum.	Average	Accum.	Average	Accum.					
			Chg	. %							
2016	8.74	6.29	9.32	6.58	10.19	7.18					
2017	3.45	2.95	2.97	2.07	0.96	-0.42					
2018	3.66	3.75	2.87	3.43	5.81	7.10					
2019	3.73	4.31	3.75	3.75 4.48		7.70					
2020	3.21	4.52	3.61	5.45	13.05	23.08					
2021	8.30	10.06	8.99	10.16	27.30	17.74					
2022	9.29	5.85	9.44	6.00	10.44	6.11					
2023	4.42	4.60	4.65	4.90	2.74	4.55					
2024	3.57	3.00	3.67	3.00	4.35	4.19					
2025	3.00	3.00	3.00	3.00	4.06	3.98					
2026	3.00	3.00	3.00	3.00	3.85	3.71					

Macroeconomic Parameters										
Financial Indicators										
Year	Selic	market rate	:	Long term ra	ate TJLP	Referential rate TR	Financial Savi	ngs		
rear	Annual Average	December	Real chg.	Annual Average	December	Annual Average	Annual Avera	ge		
				Annual chg. %			BRL million	Annual chg. %		
2016	14.08	13.65	7.33	7.50	7.50	2.01	4,566,852	13.89		
2017	9.87	7.00	6.72	7.12	7.00	0.60	4,992,423	9.32		
2018	6.48	6.40	2.64	6.72	6.98	0.00	5,346,678	7.10		
2019	5.90	4.59	1.53	6.18	5.57	0.00	5,744,064	7.43		
2020	2.64	1.90	-1.80	4.87	4.55	0.00	6,367,887	10.86		
2021	3.91	8.76	-5.59	4.79	5.32	0.05	7,334,662	15.18		
2022	12.34	13.65	6.13	6.76	7.20	1.66	8,514,539	16.09		
2023	12.82	11.15	7.86	7.10	6.90	1.84	9,469,209	11.21		
2024	9.07	7.90	5.90	6.60	6.42	0.48	10,344,152	9.24		
2025	7.90	7.90	4.76	6.18	6.09	0.04	11,193,095	8.21		
2026	7.83	7.78	4.70	5.82	5.68	0.01	12,041,335	7.58		

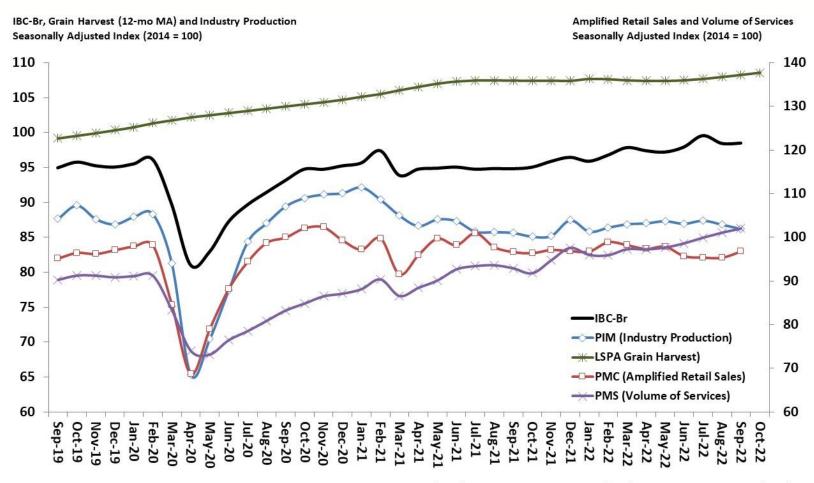
Macroeconomic Parameters											
		External Sector									
Year	Exchange Rate										
Teal	Annual Average	December	- Average chg. %	Annual chg. %							
	Exchange Rate BRL	/USD	Average chg. //	Annual Chg. 76							
2016	3.5	3.3	4.8	-13.4							
2017	3.2	3.3	-8.5	-1.8							
2018	3.7	3.9	14.5	18.0							
2019	3.95	4.03	7.95	5.78							
2020	5.16	5.20	30.69	25.21							
2021	5.40	5.58	4.64	9.83							
2022	5.16	5.20	-4.40	-7.99							
2023	5.19	5.20	0.68	-0.05							
2024	5.13	5.10	-1.18	-2.12							
2025	5.14	5.18	0.17	1.75							
2026	5.19	5.20	0.97	0.43							



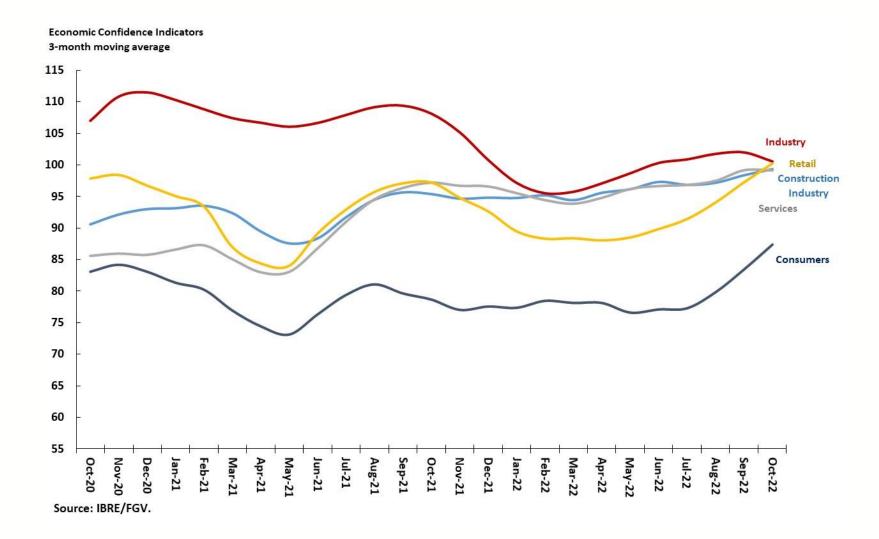
Source: IBGE, Quarterly National Accounts Series *Forecast: Macroeconomic Parameters, November-2022.

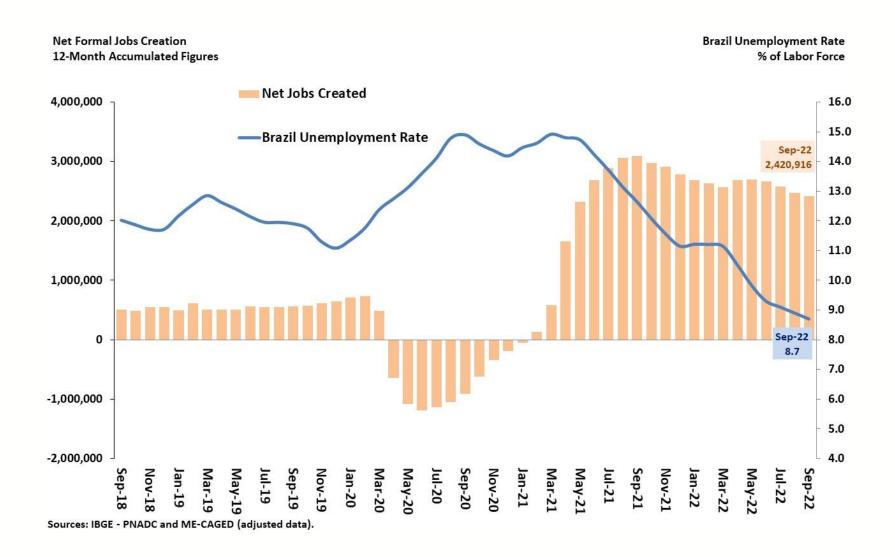


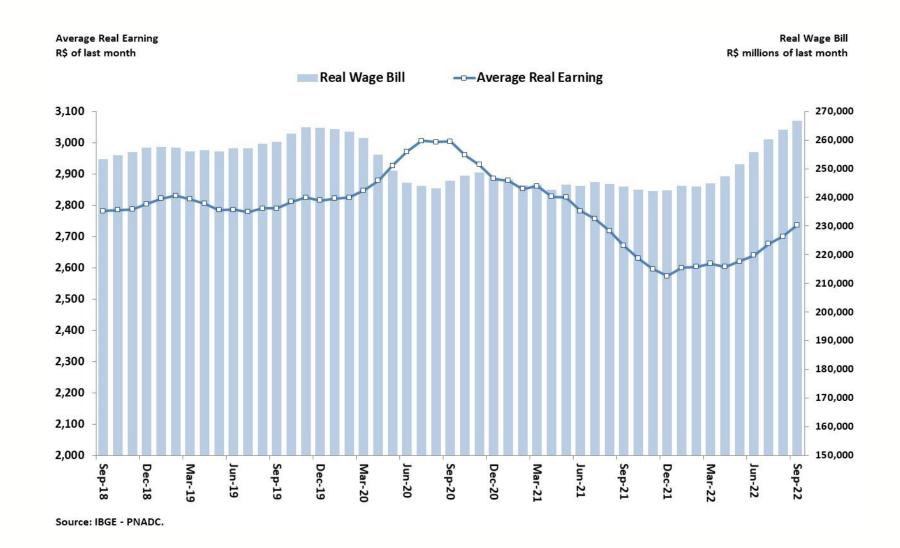
Source: IBGE, Quarterly National Accounts Series *Forecast: Macroeconomic Parameters, November-2022.

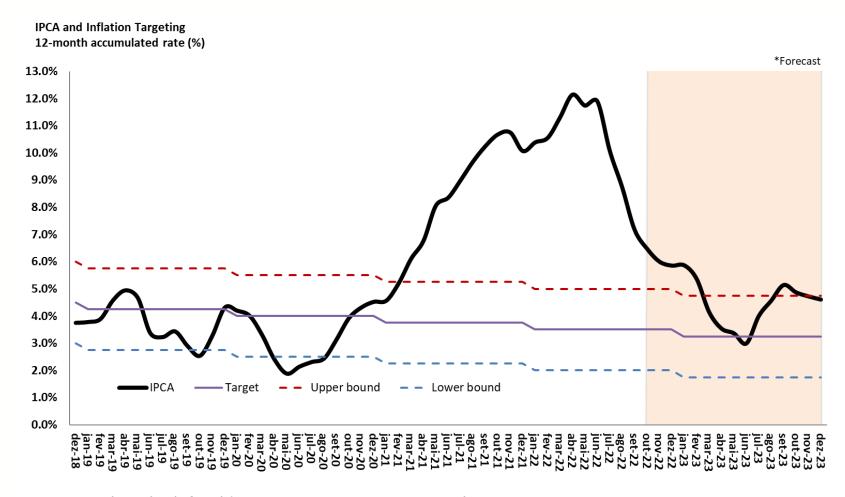


Sources: Central Bank of Brazil and IBGE: Systematic Survey of Agricultural Production (LSPA), Monthly Survey of Industry (PIM), Monthly Survey of Trade (PMC), and Monthly Survey of Services (PMS).

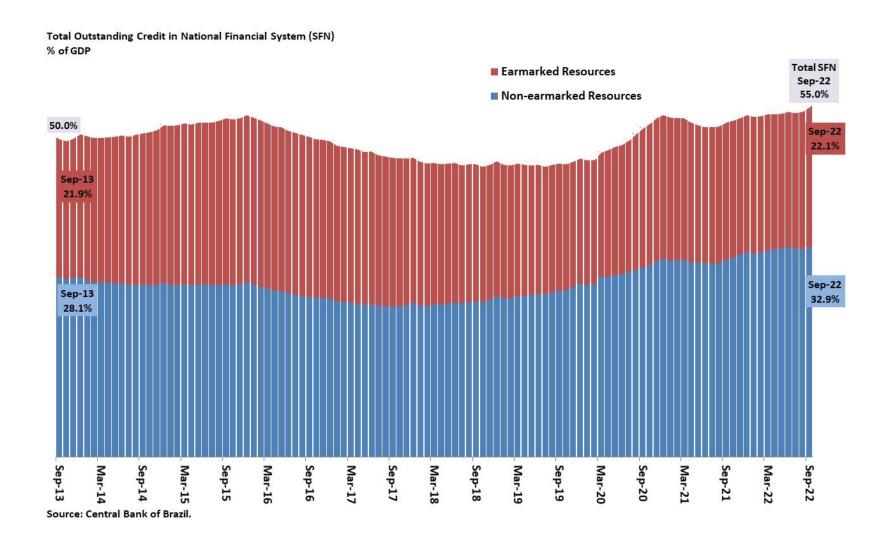


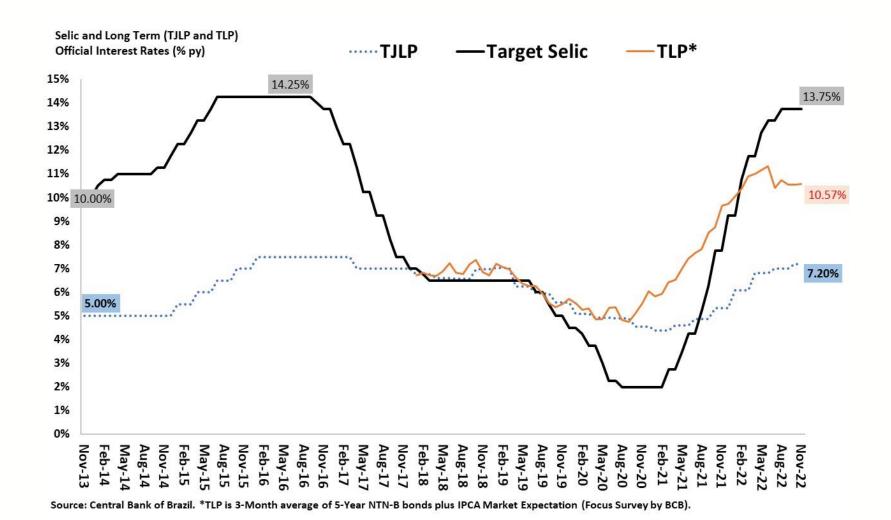


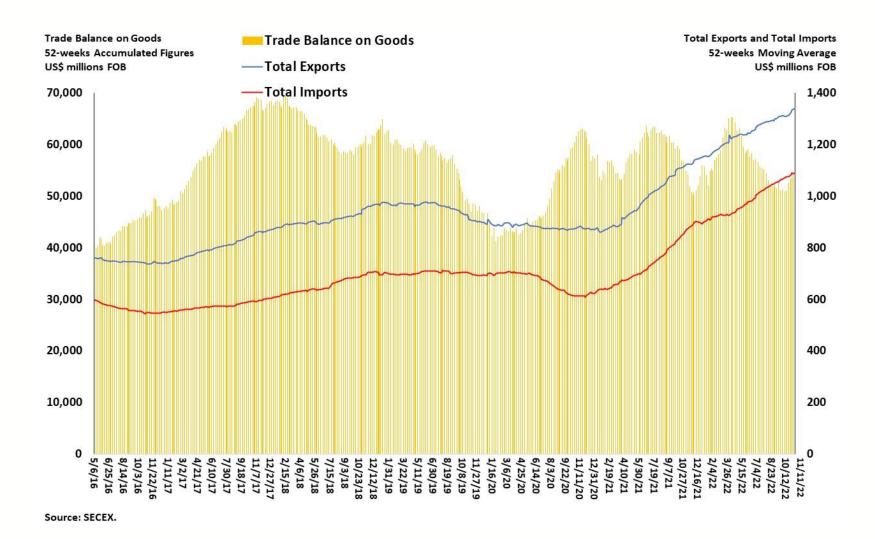


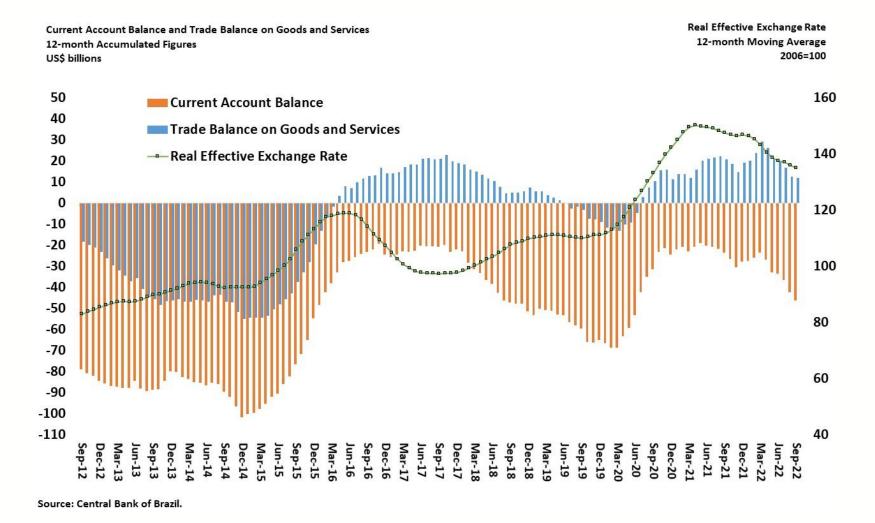


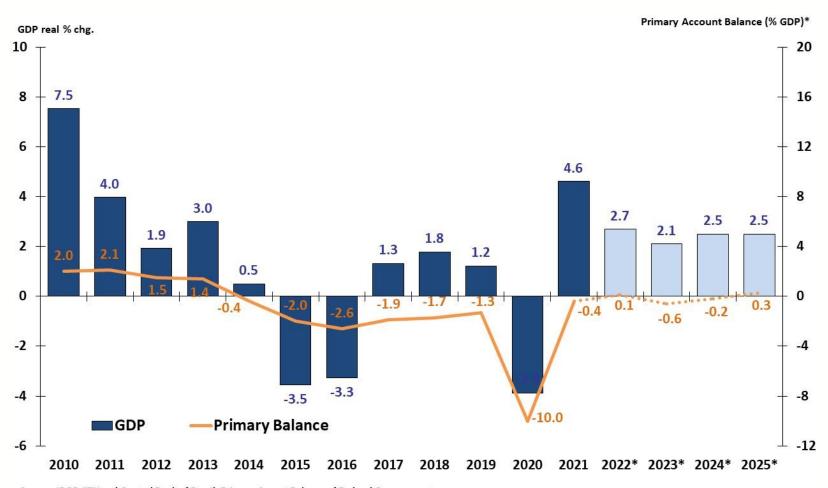
Source: IBGE and Central Bank of Brazil. *Forecast: Macroeconomic Parameters, November-2022.





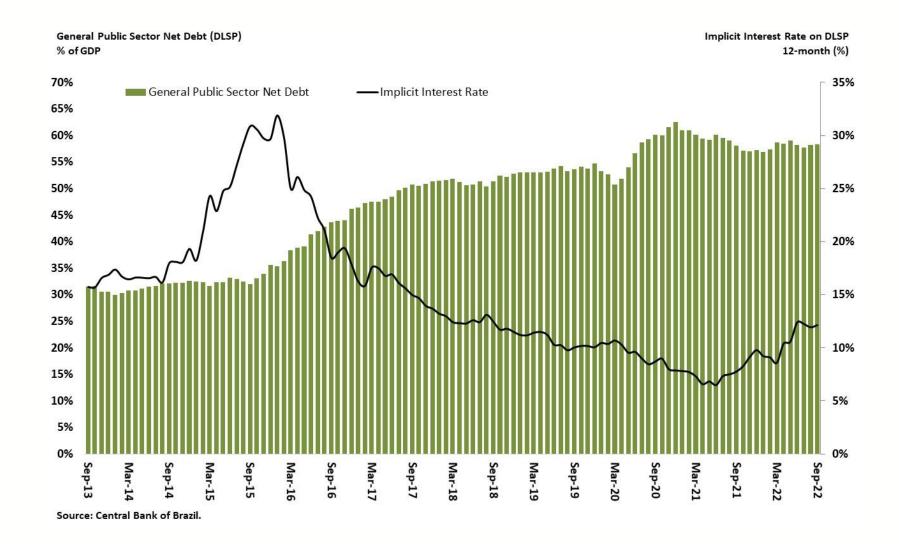




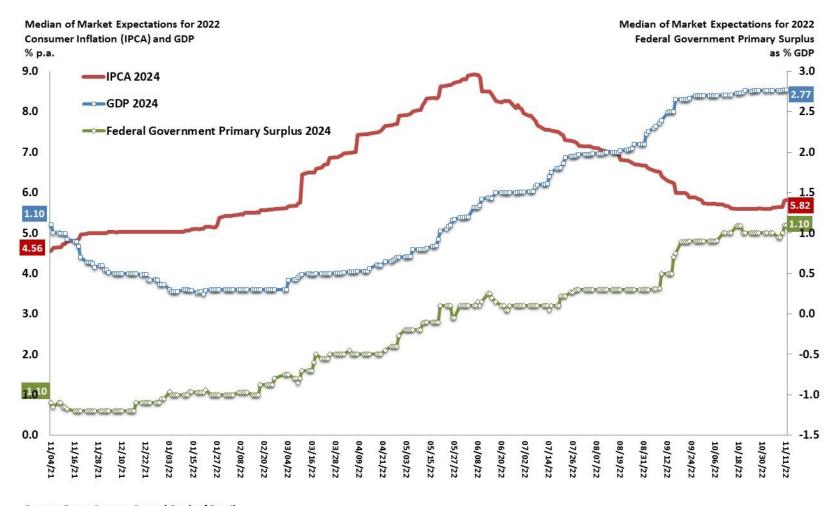


Source: IBGE, STN and Central Bank of Brazil. Primary Accout Balance of Federal Government.

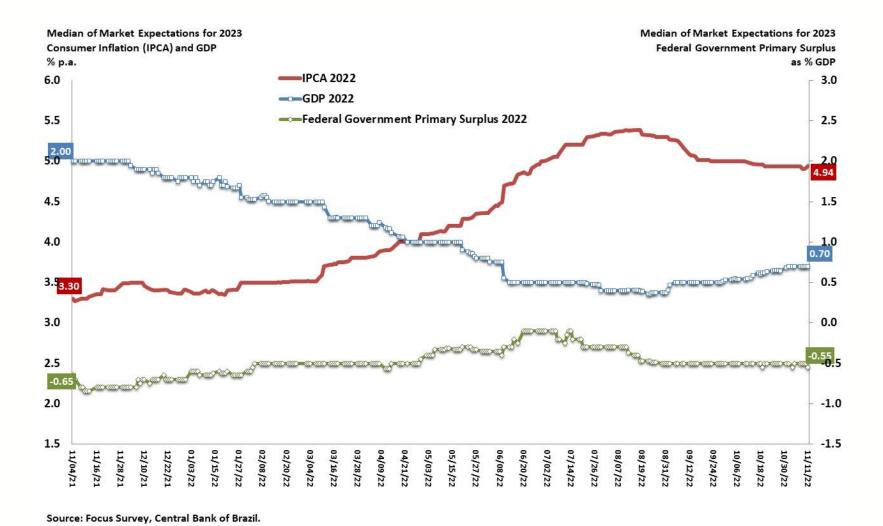
^{*} Annex-Fiscal Targets of Budgetary Guidelines Bill - PLDO 2023; and Macroeconomic Projections from SPE, novembro/yyyy.

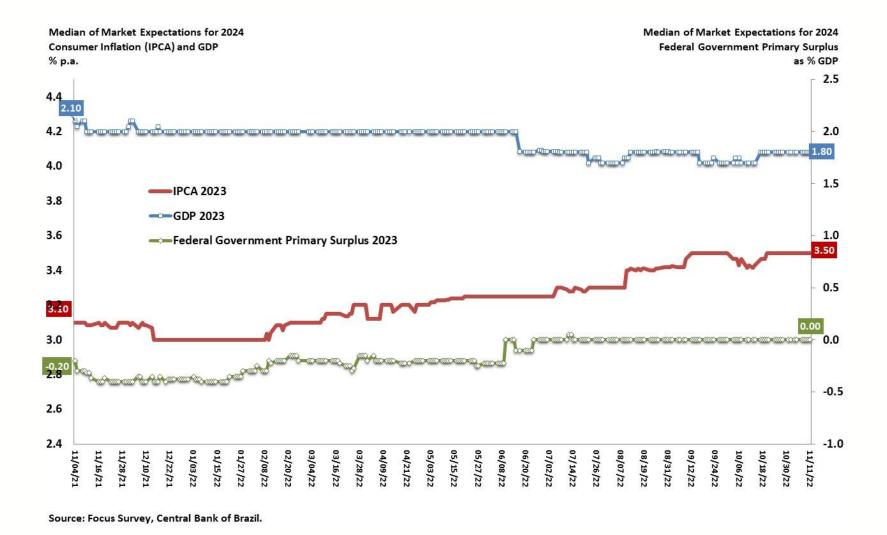


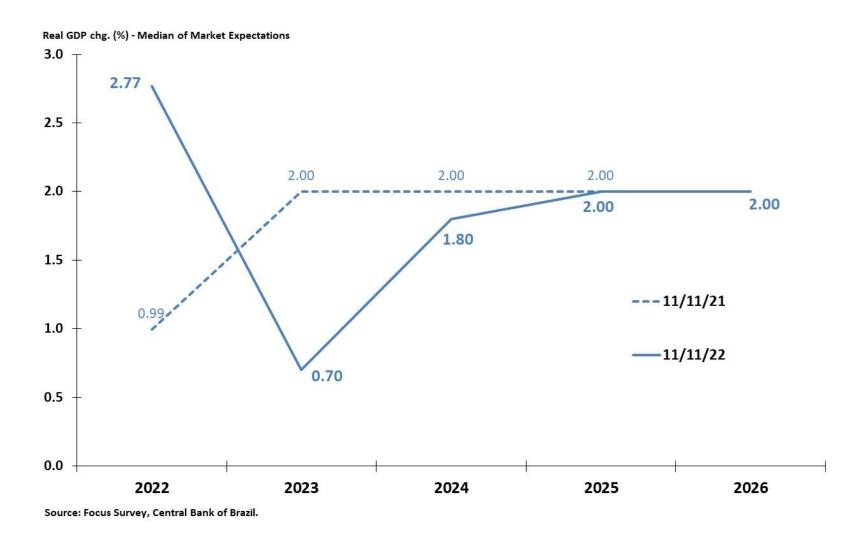
Market Expectations



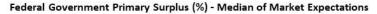
Source: Focus Survey, Central Bank of Brazil.

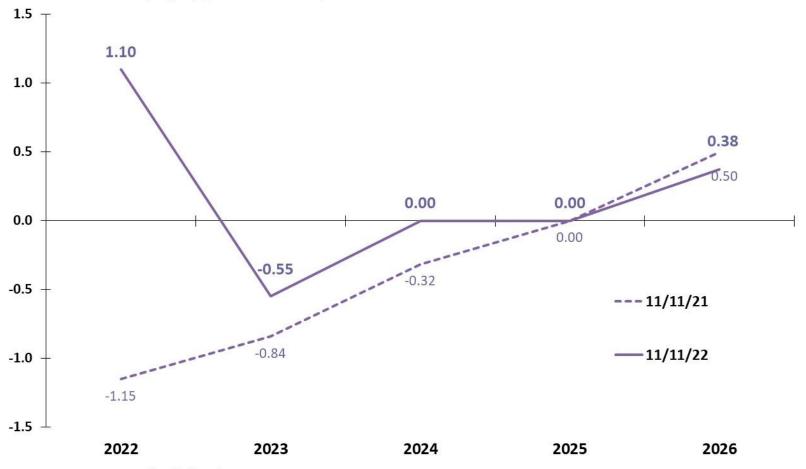




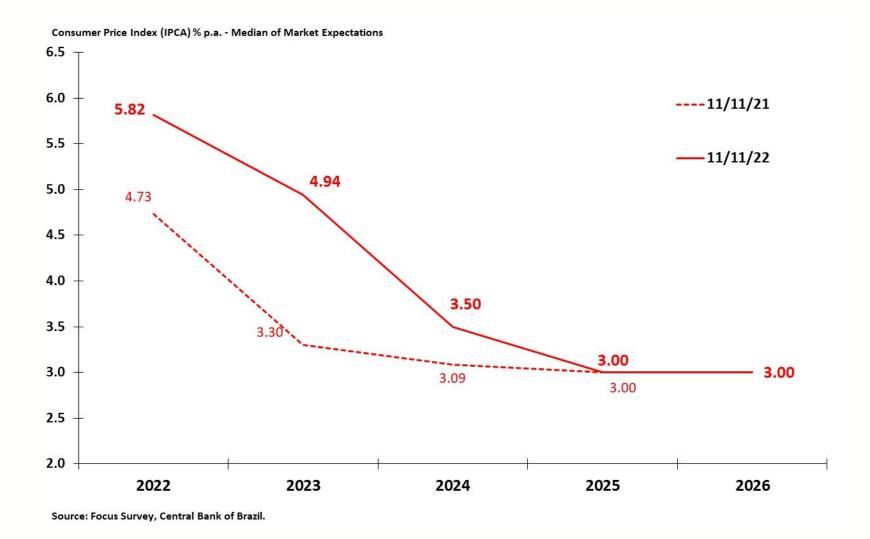


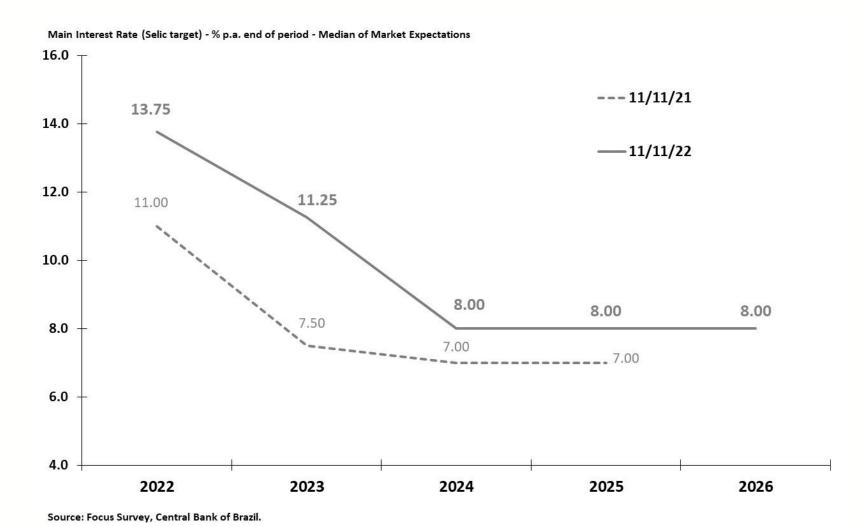
MINISTRY OF ECONOMY



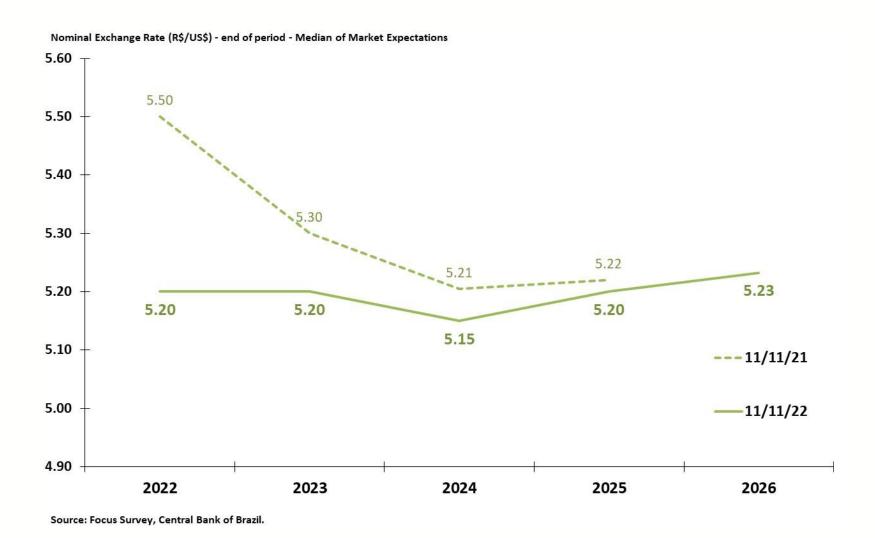


Source: Focus Survey, Central Bank of Brazil.









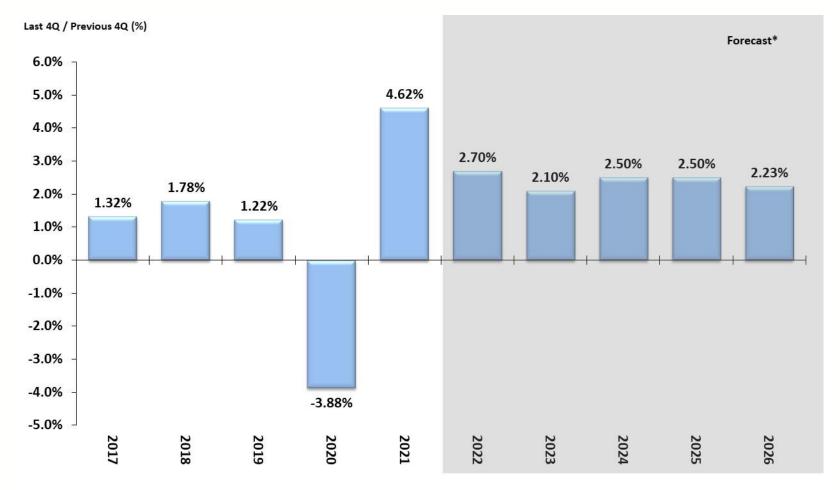
Economic activity

												BCB/Focus:	11/11/22	
Gross Domestic Product (IBGE)	Q2 2022 %change	2020	2021	Q1 2022 / Q1 2021	Q2 2022 / Q2 2021	Q1 2022 / Q4 2021 (seasonally adjusted)	Q2 2022 / Q1 2022 (seasonally adjusted)	Year-To- Date	Q1 2022 accum. in 4-quarters	Q2 2022 accum. in 4-quarters	carry-over 2022	2022	2023	2024
Agriculture		3.8%	-0.2%	-8.0%	-2.5%	-0.9%	0.5%	-5.4%	-4.8%	-5.5%	-1.7%	-0.25%	3.00%	2.50%
Industry		-3.4%	4.5%	-1.5%	1.9%	0.6%	2.2%	0.2%	3.3%	0.1%	1.3%	1.40%	0.10%	1.70%
Services		-4.3%	4.7%	3.7%	4.5%	1.1%	1.3%	4.1%	5.8%	4.3%	3.4%	3.50%	0.73%	1.70%
GDP (market prices)		-3.9%	4.6%	1.7%	3.2%	1.1%	1.2%	2.5%	4.7%	2.6%	2.4%	2.77%	0.70%	1.80%
Household Expenditure		-5.4%	3.6%	2.2%	5.3%	0.5%	2.6%	3.7%	4.6%	3.4%	3.7%	0.80%	1.20%	2.00%
Government Expenditure		-4.5%	2.0%	3.3%	0.7%	-0.1%	-0.9%	2.0%	3.8%	2.5%	0.7%	1.40%	0.70%	1.30%
Gross Fixed Capital Formation		-0.5%	17.2%	-7.2%	1.5%	-3.0%	4.8%	-2.9%	10.1%	3.5%	-0.7%	-1.55%	1.00%	3.10%
Exports of Goods and Services		-1.8%	5.8%	8.1%	-4.8%	5.7%	-2.5%	0.9%	7.4%	2.3%	1.6%	2.95%	2.70%	3.00%
Imports of Goods and Services (-)		-9.8%	12.4%	-11.0%	-1.1%	-4.0%	7.6%	-6.2%	7.0%	2.0%	-1.6%	1.60%	3.30%	4.50%
Economic Activity Indicators (BCB and IBGE)	Q3 2022 %change	2020	2021	Q2 2022 / Q2 2021	Q3 2022 / Q3 2021	Q2 2022 / Q1 2022 (seasonally adjusted)	Q3 2022 / Q2 2022 (seasonally adjusted)	Year-To- Date	Q2 2022 accum. in 4-quarters	Q3 2022 accum. in 4-quarters	carry-over 2022			
IBC-Br Economic Activity Index*		-4.0%	4.5%	2.9%	4.3%	0.7%	1.4%	1.6%	2.1%	2.3%	2.9%			
LSPA: Grain Harvest		4.8%	-0.1%	-0.1%	0.3%	-0.2%	4.7%	4.4%	-0.1%	0.3%	2.0%			
PIM: Industrial Production		-4.5%	3.9%	-7.8%	-0.1%	0.5%	0.8%	-4.6%	0.9%	-3.6%	-0.6%			
PMC: Amplified Retail Sales		-1.4%	4.5%	1.4%	-0.8%	1.2%	-1.0%	-1.4%	4.5%	-0.8%	-0.7%			
PMS: Volume of Services		-7.8%	10.9%	9.5%	8.3%	1.8%	1.5%	9.1%	13.6%	10.5%	8.0%			

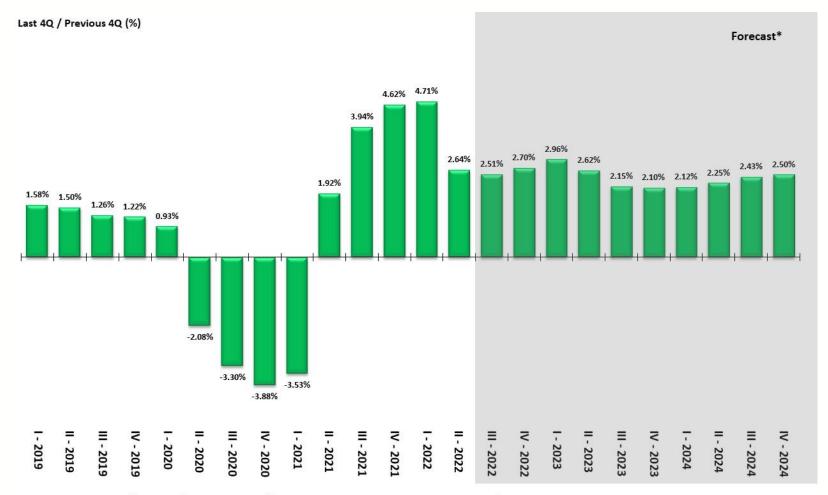
LSPA: Systematic Survey of Agricultural Production (IBGE)

PIM: Monthly Survey of Industry (IBGE)
PMC: Monthly Survey of Trade (IBGE)
PMS: Monthly Survey of Services (IBGE)

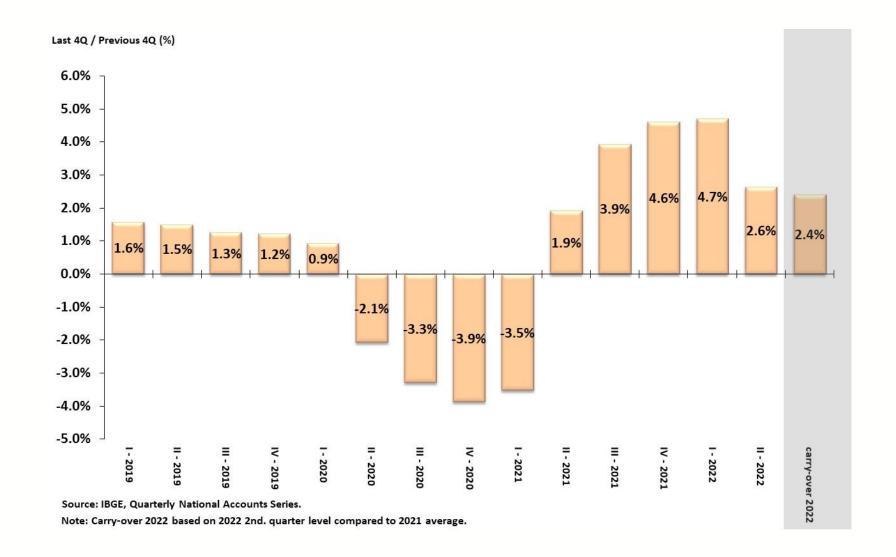
Macroeconomic Parameters											
	Gross Domestic Product										
Year	Nominal			Real	Deflator						
	BRL million	Chg. %	Chg. %	Per Capita chg. %	Chg. %						
2016	6,269,328	4.56	-3.28	-4.07	8.07						
2017	6,585,479	5.04	1.32	0.52	3.66						
2018	7,004,142	6.36	1.78	0.96	4.49						
2019	7,389,131	5.50	1.22	0.43	4.21						
2020	7,467,615	1.06	-3.88	-4.61	5.14						
2021	8,679,490	16.23	4.62	3.85	11.10						
2022	9,639,053	11.06	2.70	1.98	8.12						
2023	10,403,618	7.93	2.10	1.41	5.69						
2024	11,173,854	7.40	2.50	1.84	4.77						
2025	11,953,293	6.98	2.50	1.87	4.35						
2026	12,719,805	6.41	2.23	1.63	4.07						

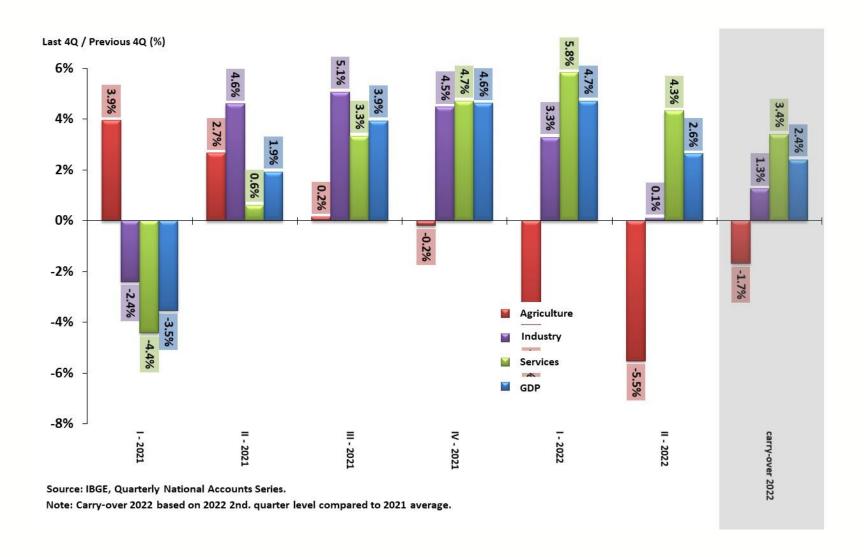


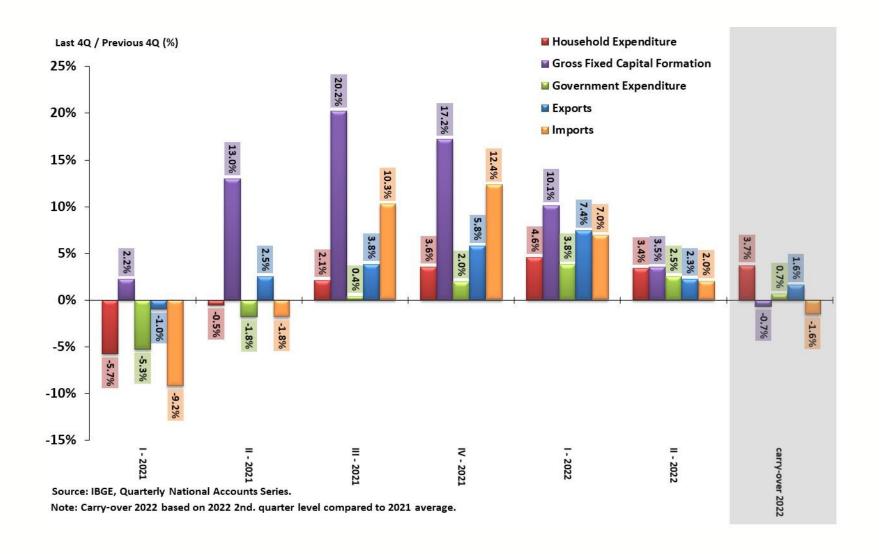
Source: IBGE, Quarterly National Accounts Series *Forecast: Macroeconomic Parameters, November-2022.



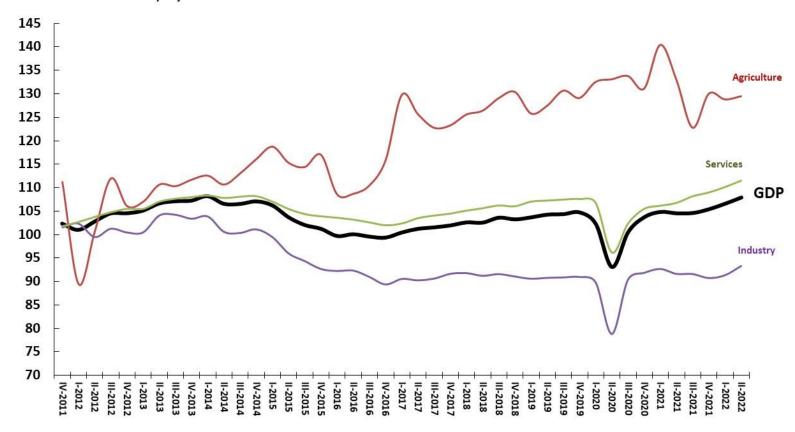
Source: IBGE, Quarterly National Accounts Series *Forecast: Macroeconomic Parameters, November-2022.

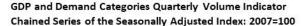


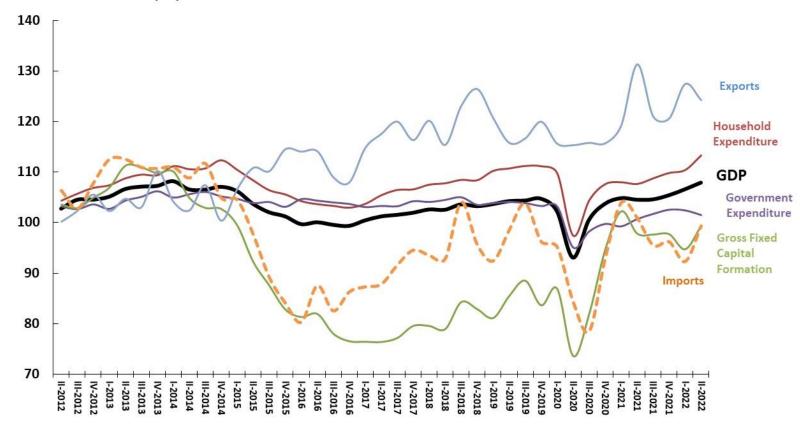


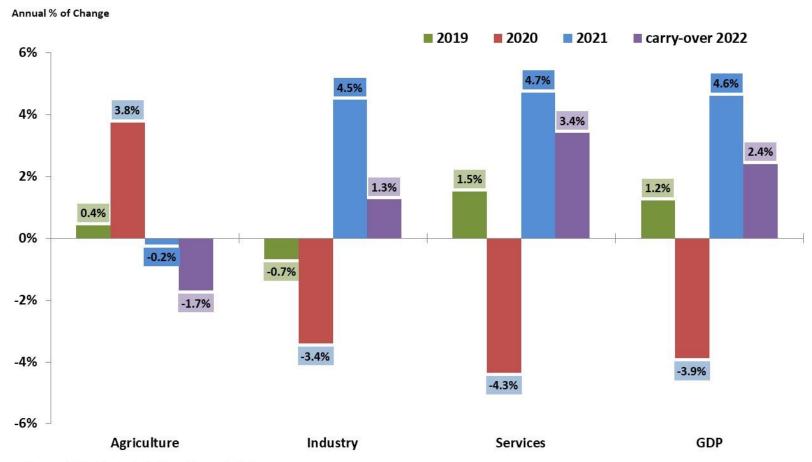


GDP and Economic Sectors Quarterly Volume Indicator Chained Series of the Seasonally Adjusted Index: 2007=100



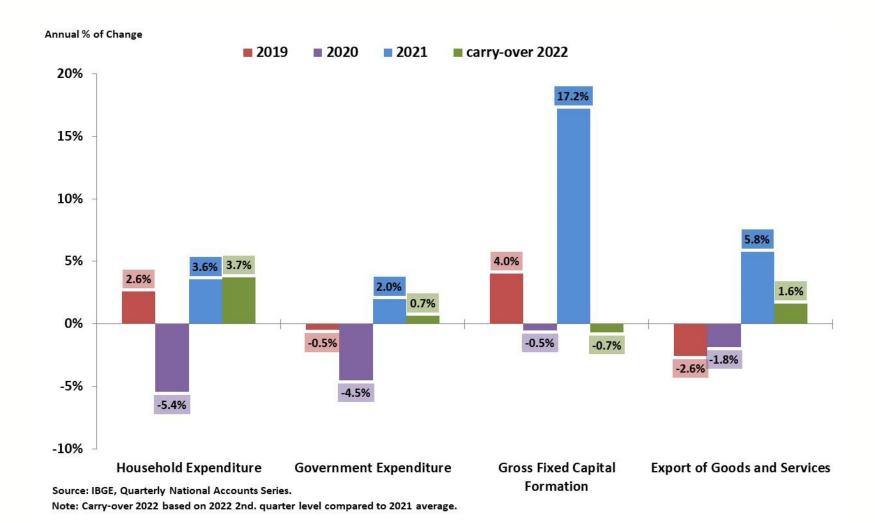


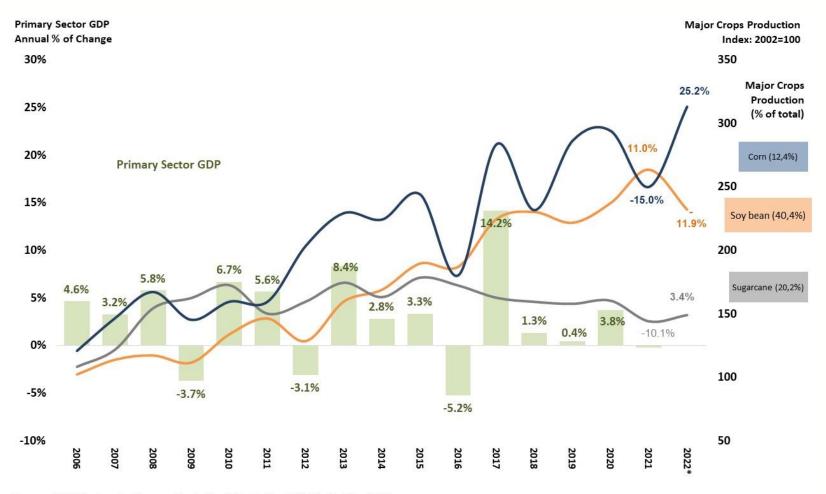




Source: IBGE, Quarterly National Accounts Series.

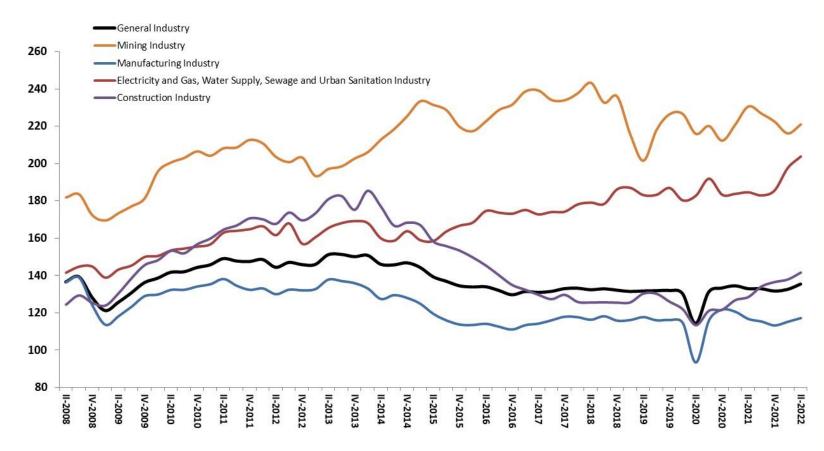
Note: Carry-over 2022 based on 2022 2nd. quarter level compared to 2021 average.





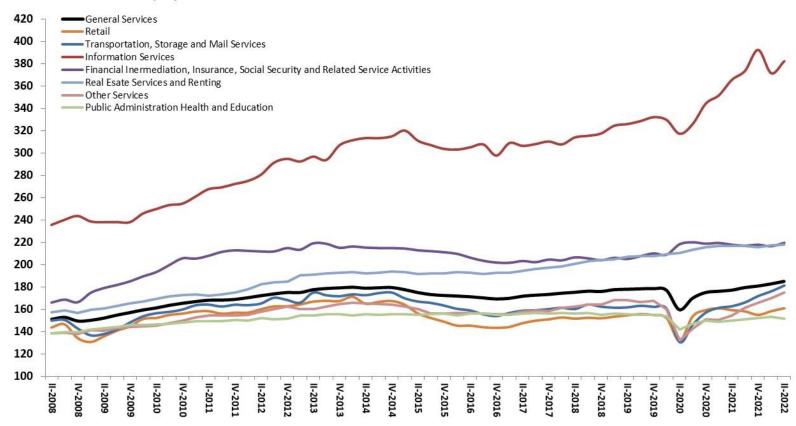
Source: IBGE, Systematic Survey of Agricultural Production (LSPA) - October/2022.

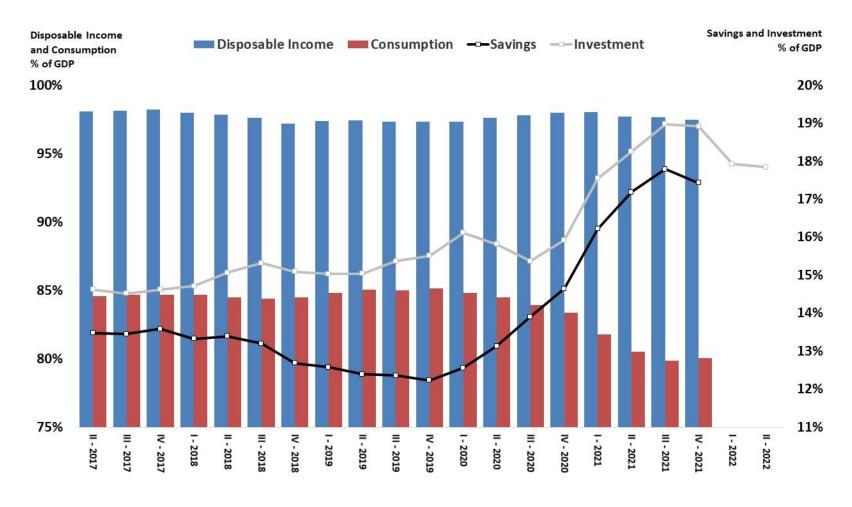
Industrial Production Indicators Chained Series of the Seasonally Adjusted Index: 1995=100



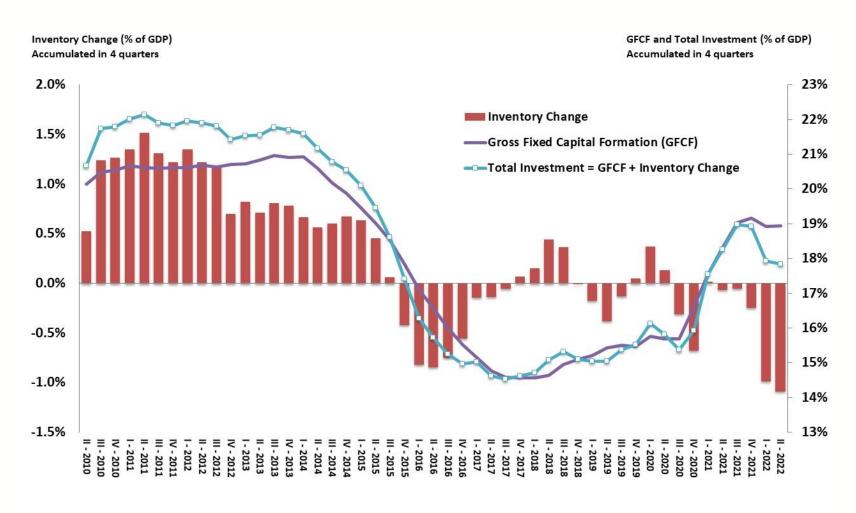
Services Provision Indicators

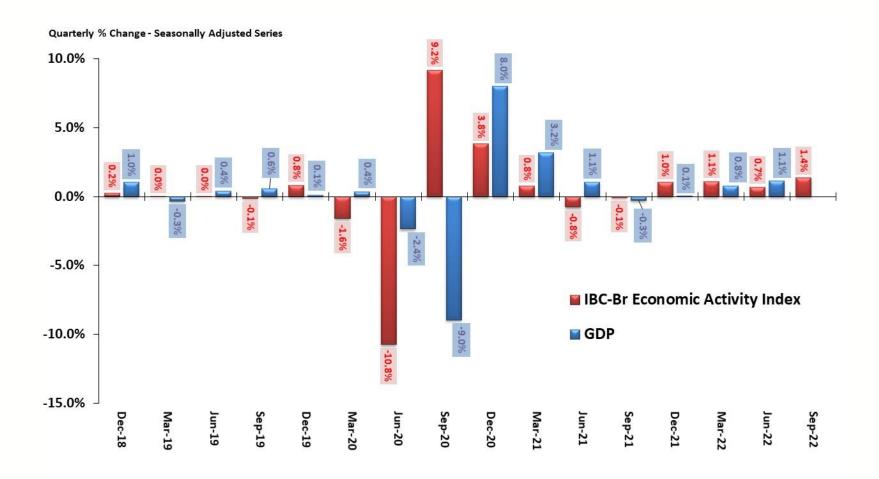
Chained Series of the Seasonally Adjusted Index: 1995=100





Source: IBGE, Quarterly National Accounts Series. Values accumulated in 4 quarters.



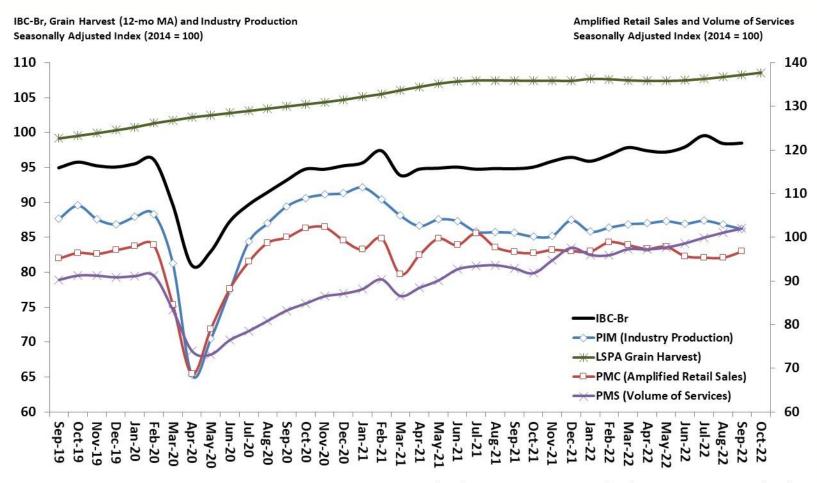


Sources: IBGE and Central Bank of Brazil.

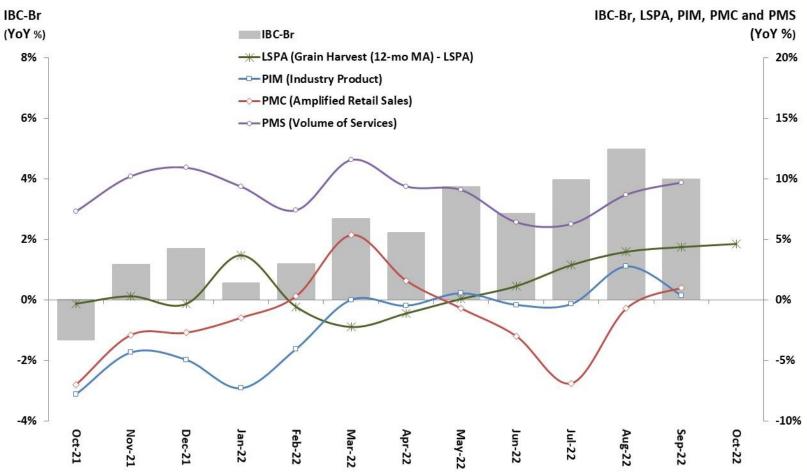
IBC-Br Economic Activity Index September %cha	2020	2021	ago/yy- ago/yy	set/yy- set/yy	ago/yy - jul/yy (seasonally adjusted)	set/yy - ago/yy (seasonally adjusted)	Year-To-Date	ago/yy accum. in 12-months	set/yy accum. in 12- months	carry-over 2022
IBC-Br Economic Activity Index	-4.0%	4.54%	5.0%	4.0%	-1.1%	0.0%	2.9%	2.1%	2.3%	2.8%
Systematic Survey of Agricultural Production (IBGE) October %cha	2020	2021	set/yy- set/yy	out/yy- out/yy	set/yy - ago/yy (seasonally adjusted)	out/yy - set/yy (seasonally adjusted)	Year-To-Date	set/yy accum. in 12- months	out/yy accum. in 12- months	carry-over 2022
Grain Harvest	5.6%	3.3%	4.4%	4.6%	0.1%	0.3%	4.6%	4.4%	4.6%	2.0%
Industry Production (IBGE) September %cha	2020	2021	ago/yy- ago/yy	set/yy- set/yy	ago/yy - jul/yy (seasonally adjusted)	set/yy - ago/yy (seasonally adjusted)	Year-To-Date	ago/yy accum. in 12-months	set/yy accum. in 12- months	carry-over 2022
General Industry	-4.5%	3.9%	2.8%	0.4%	-0.7%	-0.7%	-0.9%	-2.6%	-2.2%	-0.7%
Mining Industry (weight 11,2%)	-3.4%	1.0%	-7.3%	-5.7%	-3.1%	1.8%	-4.0%	-2.1%	-2.9%	-2.9%
Manufacturing Industry (weight 88,8%)	-4.6%	4.3%	4.1%	1.2%	-0.3%	-1.3%	-0.7%	-2.8%	-2.2%	-0.4%
Food (weight 13,9%)	4.2%	-8.2%	3.2%	-0.1%	-3.3%	-2.9%	0.7%	-3.2%	-1.9%	0.7%
Petroleum refinement and alcohol production (weight 10,3%)	4.4%	-0.7%	5.0%	0.6%	-4.4%	-2.6%	8.3%	6.2%	6.8%	5.7%
Motor vehicles (weight 10,1%)	-27.9%	20.1%	19.3%	20.3%	11.8%	-0.1%	0.7%	-4.8%	-2.6%	4.0%
Capital Goods	-9.6%	27.8%	4.0%	4.6%	5.8%	-0.5%	-0.5%	1.7%	0.9%	0.5%
Intermediate Goods	-1.0%	3.3%	2.1%	-0.3%	-1.7%	-1.1%	-1.0%	-2.2%	-1.9%	-0.7%
Durable Consumer Goods	-19.8%	2.0%	13.6%	10.5%	6.2%	-0.2%	-5.3%	-12.9%	-10.1%	-1.9%
Semi and Non-Durable Consumer Goods	-6.0%	-0.4%	1.9%	-1.4%	-1.9%	-1.4%	-0.7%	-3.0%	-2.6%	-0.6%
Typical Construction Inputs	3.7%	-12.9%	-4.3%	-5.3%	2.8%	-4.7%	-7.4%	-7.9%	-8.0%	-15.0%
Retail Sales (IBGE) September %cha	2020	2021	ago/yy- ago/yy	set/yy- set/yy	ago/yy - jul/yy (seasonally adjusted)	set/yy - ago/yy (seasonally adjusted)	Year-To-Date	ago/yy accum. in 12-months	set/yy accum. in 12- months	carry-over 2022
Retail Sales	1.2%	1.4%	1.6%	3.2%	0.1%	1.1%	0.8%	-1.4%	-0.7%	1.4%
Amplified Retail Sales	-1.4%	4.5%	-0.7%	1.0%	0.0%	1.5%	-0.6%	-2.0%	-1.6%	-0.5%
Vehicles, Motorcycles, Parts and Accessories	-13.6%	14.9%	-4.1%	-1.2%	4.9%	-0.1%	-1.4%	-0.9%	-1.2%	-1.5%
Construction Material	10.8%	4.4%	-7.0%	-7.9%	-0.6%	0.0%	-8.1%	-8.6%	-8.4%	-7.9%
Fuel and Lubricants	-9.7%	0.3%	30.3%	34.8%	3.8%	1.3%	12.7%	4.4%	7.6%	18.0%
Hypermarkets, Supermarkets, Food, Beverage and Tobacco	4.8%	-2.6%	1.4%	3.8%	0.3%	1.2%	0.9%	-0.4%	0.1%	1.3%
Textiles, Apparel and Footwear	-22.5%	13.7%	-5.5%	-9.5%	9.3%	0.7%	6.4%	4.2%	3.5%	2.7%
Furniture and Household Appliances	10.6%	-7.0%	-8.7%	-5.9%	0.9%	-0.1%	-9.5%	-14.3%	-13.0%	-8.3%
Volume of Services (IBGE) September %cha	2020	2021	ago/yy- ago/yy	set/yy- set/yy	ago/yy - jul/yy (seasonally adjusted)	set/yy - ago/yy (seasonally adjusted)	Year-To-Date	ago/yy accum. in 12-months	set/yy accum. in 12- months	carry-over 2022
Volume of Services	-7.8%	10.9%	8.7%	9.7%	1.1%	0.9%	8.6%	9.0%	8.9%	8.3%
Services Rendered to Families	-35.6%	18.2%	21.8%	17.8%	1.0%	1.0%	30.3%	29.5%	28.2%	24.7%
Information and Communication Services	-1.6%	9.5%	3.1%	6.0%	0.8%	2.0%	3.2%	5.1%	4.8%	3.4%
Professional, Administrative and Complementary Services	-11.4%	7.4%	7.6%	6.9%	0.1%	0.2%	7.6%	7.5%	7.3%	7.5%
Transportation, Support Activities for Transportation and Mailing Activities	-7.6%	15.2%	15.3%	15.3%	1.0%	-0.1%	14.1%	13.8%	13.9%	13.8%
Other Services	6.8%	5.0%	-2.3%	2.6%	7.7%	-0.3%	-4.1%	-4.6%	-4.2%	-2.0%

Macroeconomic Parameters											
	Industrial Activity - Annual chg. %										
Year	Manuf	acturing	Beve	rages	Vehicles						
real		Produ	Domestic Wholesale								
	Price	Quantity	Price	Quantity	Price	Quantity					
2016	8.06	-5.98	7.60	-3.09	6.10	-17.53					
2017	1.76	2.23	4.34	0.78	4.26	12.31					
2018	8.35	1.11	2.67	0.87	3.30	13.05					
2019	4.31	0.19	2.86	4.25	2.97	10.38					
2020	9.13	-4.60	0.87	-0.19	4.15	-25.84					
2021	31.85	4.32	4.14	0.28	12.62	1.04					
2022	17.77	-0.47	9.76	3.84	12.64	-3.75					
2023	1.50	0.21	7.40	2.62	4.02	9.19					
2024	3.23	1.92	6.02	3.63	3.21	12.45					
2025	4.37	2.08	5.97	3.39	2.73	8.50					
2026	4.62	1.76	5.97	2.92	2.45	7.66					

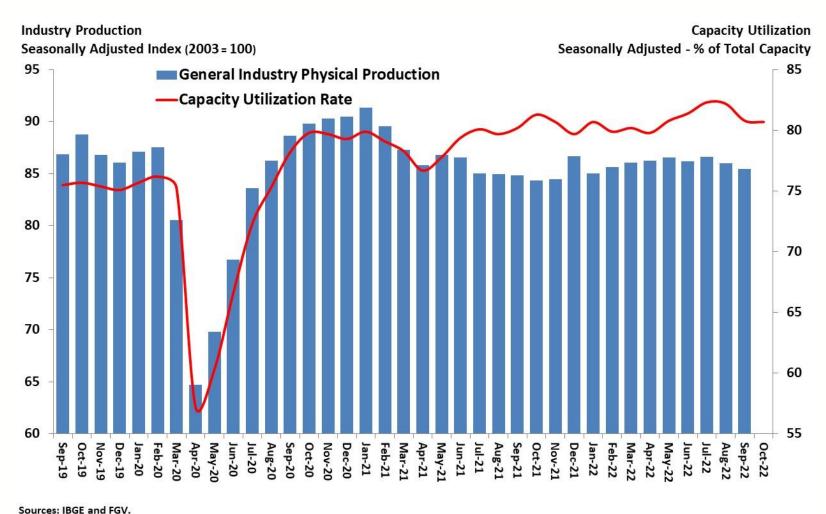
Source: SPE/ME. Macroeconomic Parameters, November-2022.



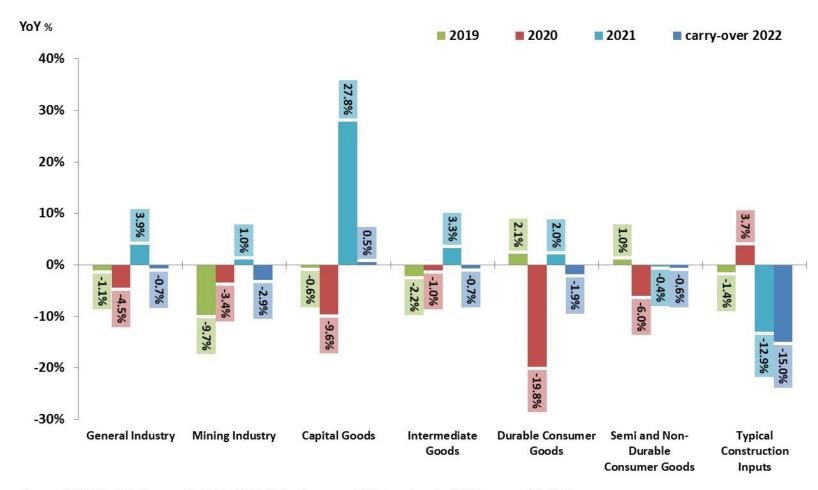
Sources: Central Bank of Brazil and IBGE: Systematic Survey of Agricultural Production (LSPA), Monthly Survey of Industry (PIM), Monthly Survey of Trade (PMC), and Monthly Survey of Services (PMS).



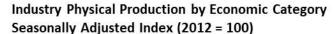
Sources: Central Bank of Brazil and IBGE: Systematic Survey of Agricultural Production (LSPA), Monthly Survey of Industry (PIM), Monthly Survey of Trade (PMC), and Monthly Survey of Services (PMS).

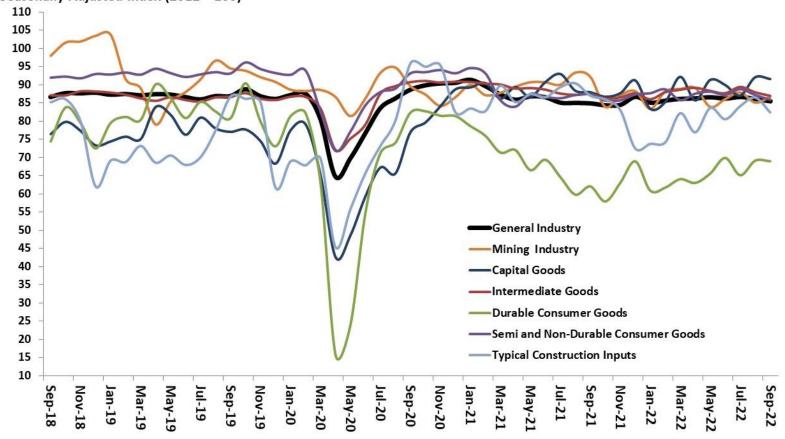


Sources: IDGE and FGV.

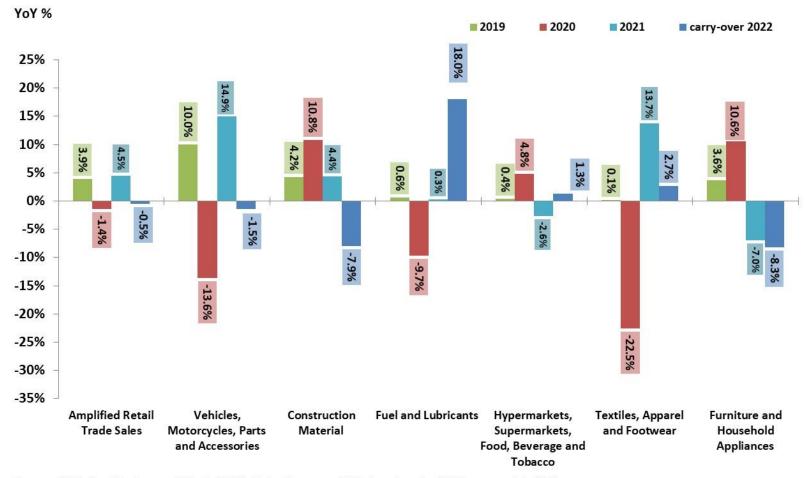


Source: IBGE, Monthly Survey of Industry (PIM). Note: Carry over 2022: based on Sep/2022 compared to 2021 average.

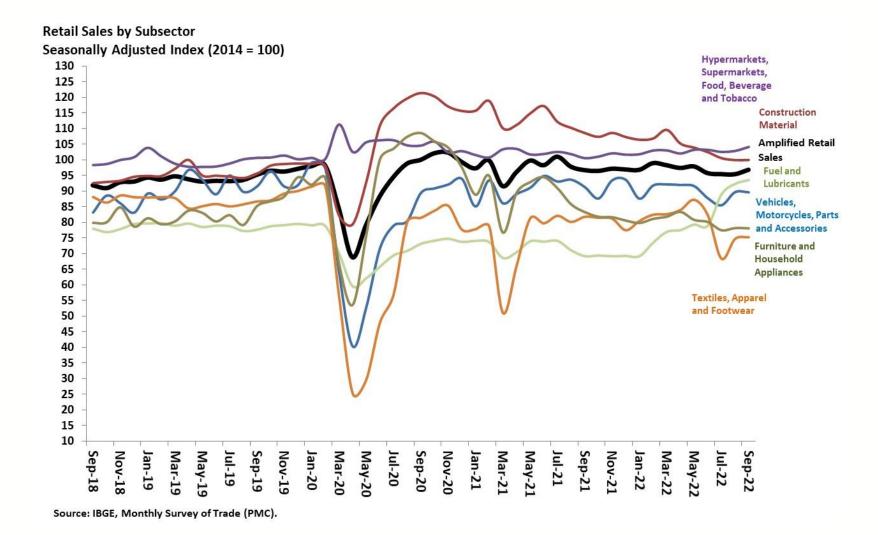




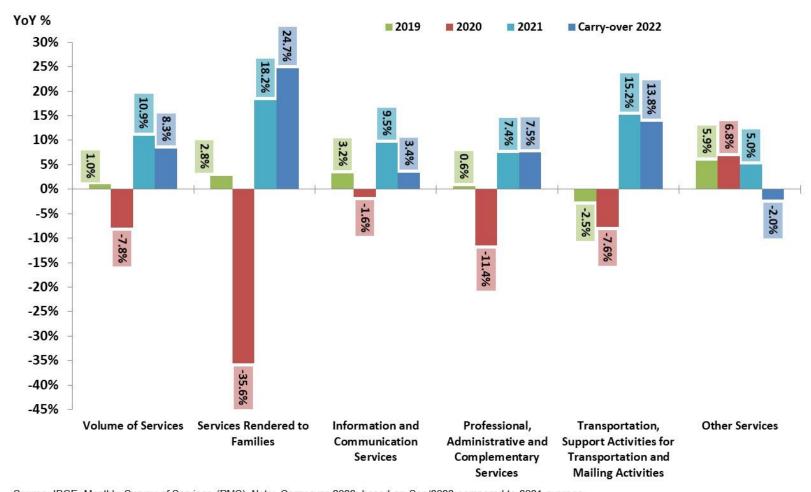
Source: IBGE



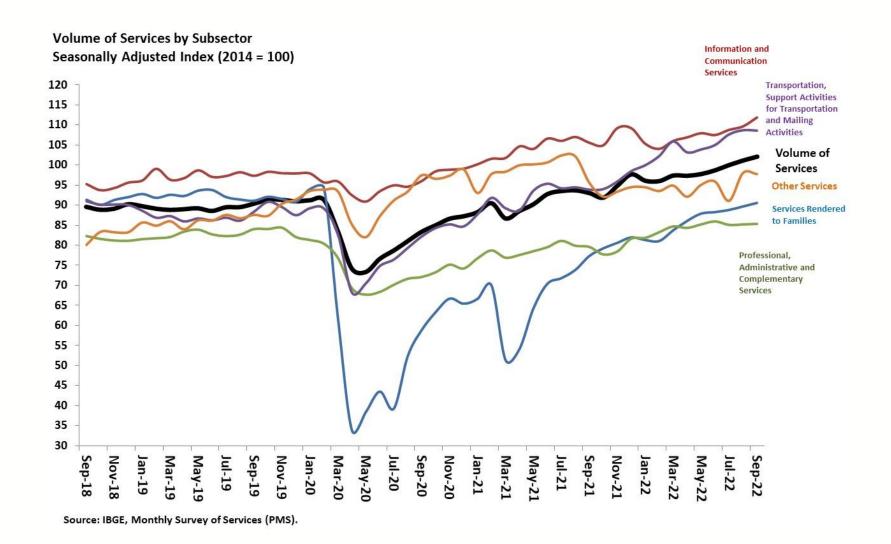
Source: IBGE, Monthly Survey of Trade (PMC). Note: Carry over 2022: based on Sep/2022 compared to 2021 average.



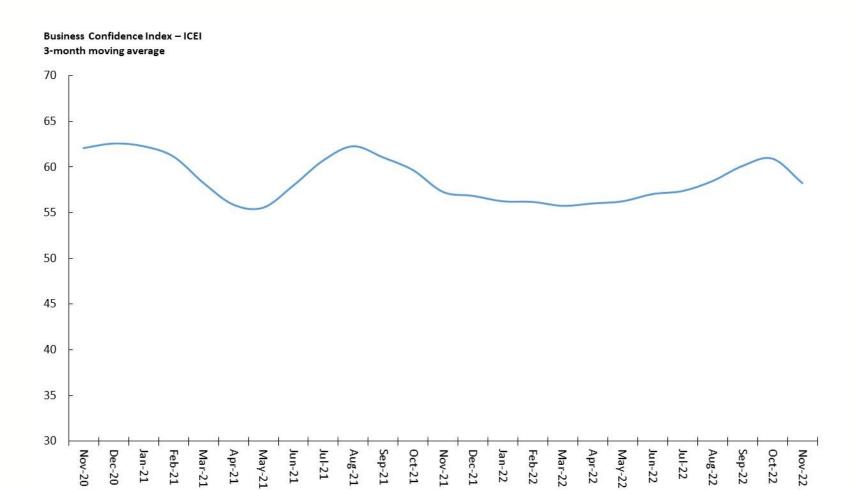
MINISTRY OF ECONOMY



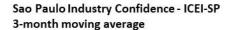
Source: IBGE, Monthly Survey of Services (PMS). Note: Carry over 2022: based on Sep/2022 compared to 2021 average.

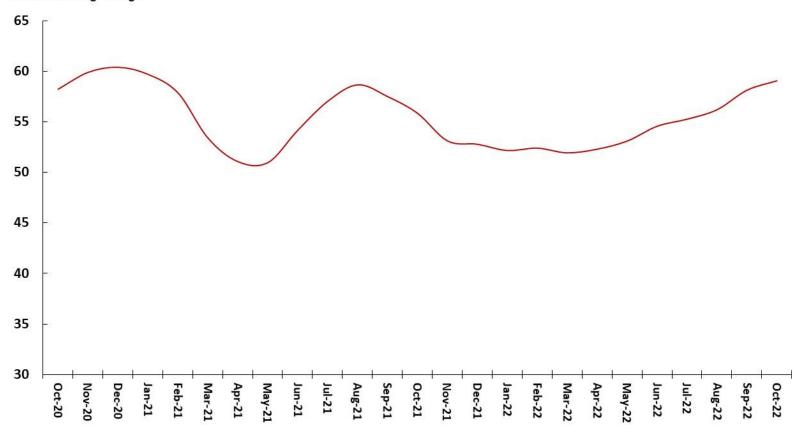


	Last update (m/y)	Annual change % (y-1)	change % (m-1 / y) / (m-1 / y-1)	change % (m / y) / (m / y-1)	change % (m- 1/y) / (m-2/y) (seasonally adjusted)	change % (m/y) / (m-1/y) (seasonally adjusted)	Year-To-Date	(m-1 / y) accum. in 12- months	(m / y) accum. in 12- months	carry-over	
Industry Indicators (CNI)											
Real Sales Revenue	Sep-22	-0.1%	11.0%	7.9%	1.4%	-0.2%	1.6%	-2.0%	-0.7%	3.2%	2022
Working Hours in Production	Sep-22	-2.1%	6.9%	3.3%	2.4%	-1.1%	3.0%	2.8%	2.7%	2.9%	2022
Capacity Utilization - UCI	Sep-22	0.4%	-2.0%	-2.3%	-0.1%	-0.1%	-0.6%	0.1%	-0.3%	-0.6%	2022
Industry Inventories (CNI) - Final Goods - planned x realize	Nov-22	1.0%	5.8%	3.7%	3.3%	0.4%	3.5%	6.7%	5.9%	3.0%	2022
Business Confidence - ICEI (CNI)	Nov-22	19.5%	4.2%	-7.7%	-4.2%	-14.0%	-2.3%	-3.4%	-3.0%	-2.7%	2022
Sao Paulo Industry Confidence - ICEI-SP (FIESP)	Oct-22	25.9%	14.4%	7.7%	11.0%	-5.2%	0.5%	-3.6%	-2.2%	2.3%	2022
Industry Capacity Utilization - NUCI (FGV)	Oct-22	0.7%	0.7%	-0.7%	-1.7%	-0.1%	2.1%	2.1%	1.8%	1.8%	2022
Industry Confidence (FGV)	Oct-22	12.5%	-6.2%	-8.9%	-0.8%	-3.8%	-8.0%	-8.3%	-8.6%	-7.3%	2022
Consumer Confidence (FGV)	Oct-22	13.1%	17.0%	15.0%	6.5%	-0.4%	3.7%	0.1%	2.0%	6.6%	2022
Services Confidence (FGV)	Oct-22	14.6%	4.6%	0.0%	1.0%	-2.6%	7.1%	9.1%	8.0%	6.4%	2022
Construction Confidence (FGV)	Oct-22	8.5%	5.5%	5.1%	3.6%	-0.8%	5.0%	4.2%	4.6%	5.0%	2022
Retail Confidence (FGV)	Oct-22	15.2%	7.7%	3.4%	2.4%	-3.7%	1.1%	-0.5%	-0.1%	3.2%	2022
Supermarket Sector Total Retail Sales (ABRAS)	Sep-22	1.3%	24.9%	26.0%	9.0%	1.3%	11.6%	6.6%	8.7%	14.6%	2022
Natural Gas and Oil Production (ANP)	Jun-22	4.5%	-8.0%	-2.5%	-11.1%	5.7%	0.6%	0.2%	0.4%	-1.2%	2022
Electric Energy Consumption - Total (EPE)	Sep-22	1.2%	2.9%	0.2%	0.3%	-1.3%	1.3%	1.4%	1.1%	1.3%	2022
Industry Consumption (EPE)	Sep-22	1.3%	2.8%	1.8%	0.5%	-0.9%	0.5%	1.2%	1.0%	0.7%	2022
Electric Energy System Supply (ONS)	Oct-22	1.8%	-4.2%	2.5%	-2.4%	0.3%	0.5%	1.3%	1.6%	0.2%	2022
Corrugated Fiberboard Sales (ABPO)	Oct-22	7.9%	3.4%	1.4%	-0.4%	-2.1%	-2.4%	-3.6%	-2.8%	-2.0%	2022
Heavy Vehicles Road Traffic (ABCR)	Oct-22	8.4%	3.6%	2.7%	-0.4%	-0.7%	2.2%	1.6%	1.9%	2.0%	2022
Total Vehicles Production (ANFAVEA)	Oct-22	16.0%	19.3%	15.1%	-6.2%	2.4%	4.4%	0.7%	4.4%	3.0%	2022
Car Production	Oct-22	9.1%	17.1%	21.8%	-9.3%	4.3%	5.9%	1.2%	5.9%	4.8%	2022
Commercial Vehicles Production	Oct-22	84.0%	8.3%	13.5%	-10.2%	1.0%	3.3%	4.0%	3.3%	3.2%	2022
Total Vehicles Exports (ANFAVEA)	Oct-22	28.2%	21.2%	47.8%	-32.1%	42.7%	23.9%	18.4%	23.9%	22.9%	2022
Total Vehicles Sales/Licensing (FENABRAVE)	Oct-22	5.5%	25.1%	11.4%	-1.8%	-3.2%	-6.6%	-9.6%	-6.6%	-7.9%	2022
Domestic Vehicles Sales/Licensing	Oct-22	5.2%	26.8%	13.2%	-1.6%	-4.0%	-8.7%	-12.2%	-8.7%	-10.0%	2022
Imported Vehicles Sales/Licensing	Oct-22	7.7%	14.9%	0.3%	4.8%	-2.0%	11.1%	12.4%	11.1%	10.0%	2022

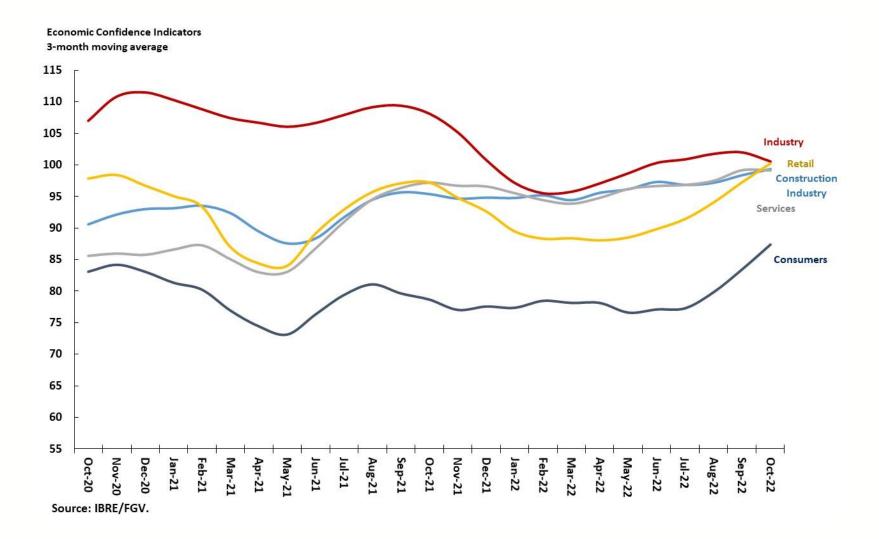


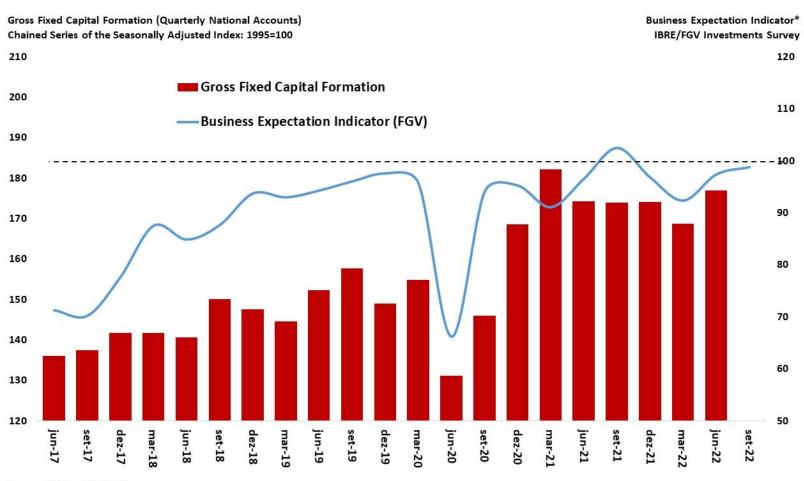
Source: CNI.





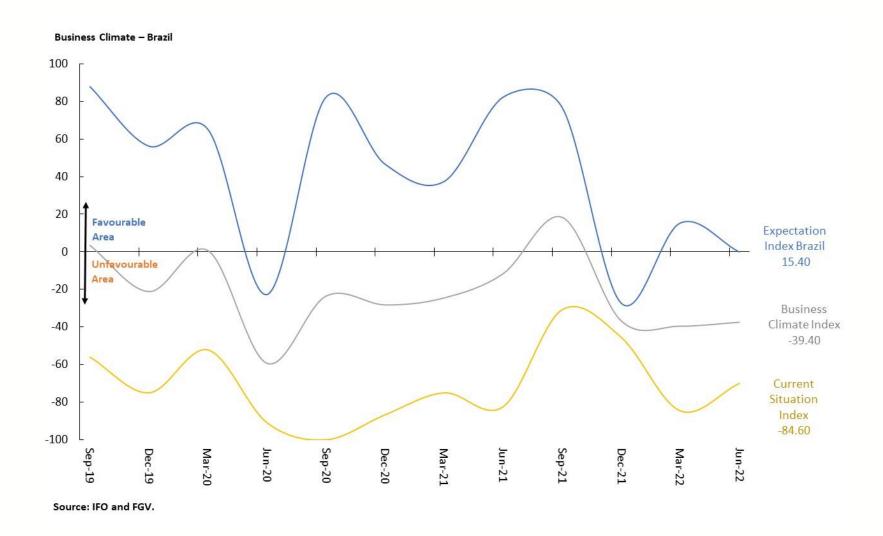
Source: FIESP.

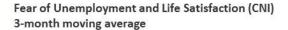


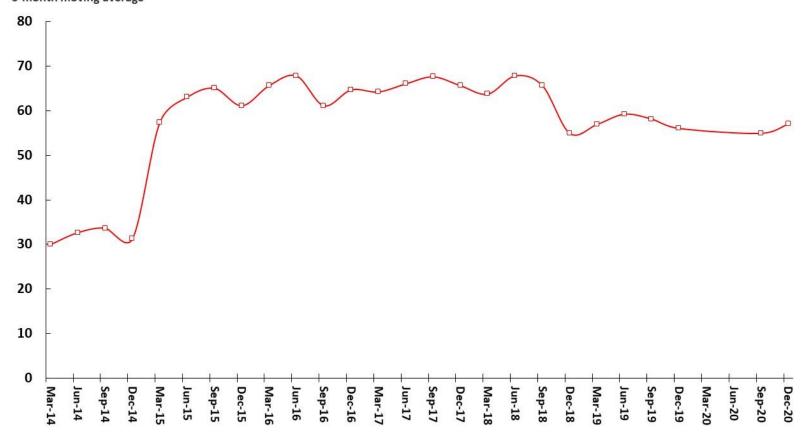


Source: IBGE e IBRE/FGV.

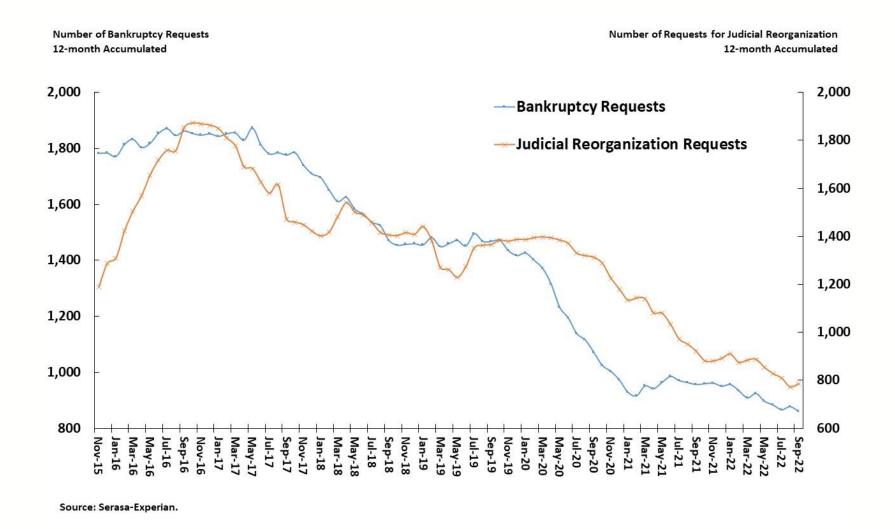
^{*}Note: Measures the difference between positive and negative answers, plus 100.

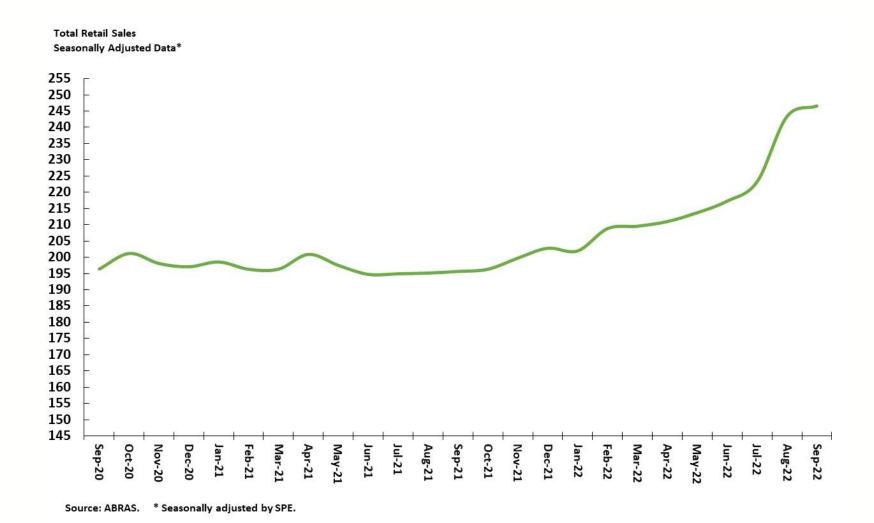


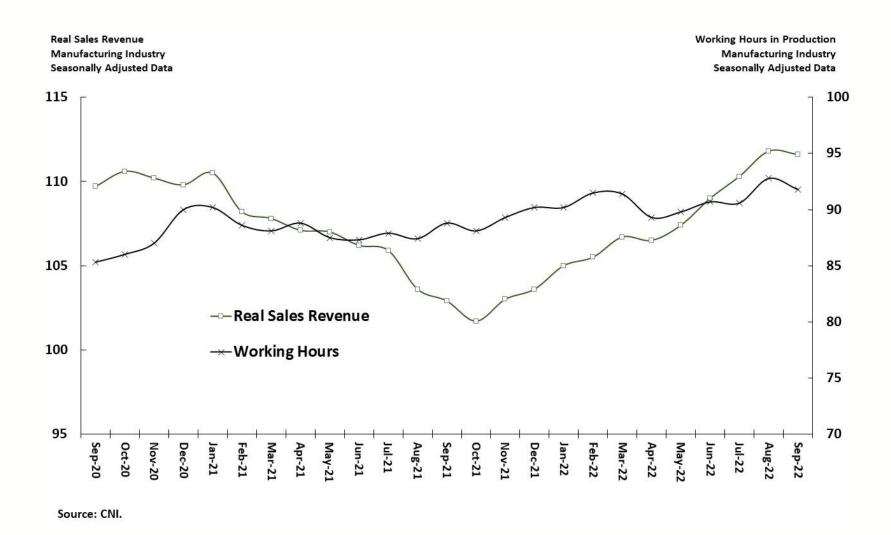




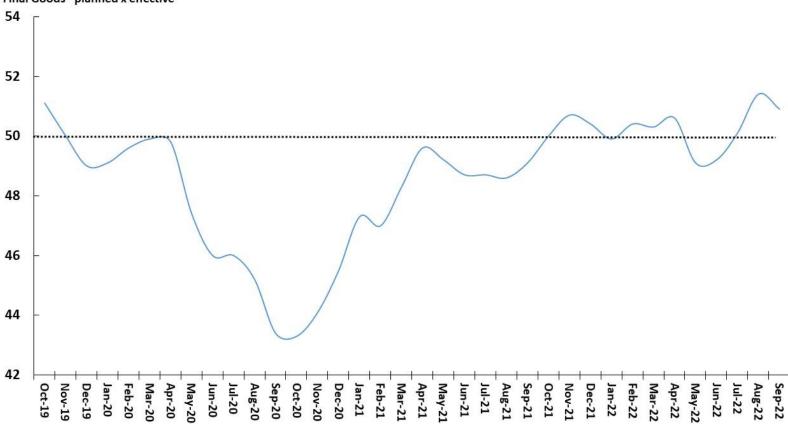
Source: CNI.



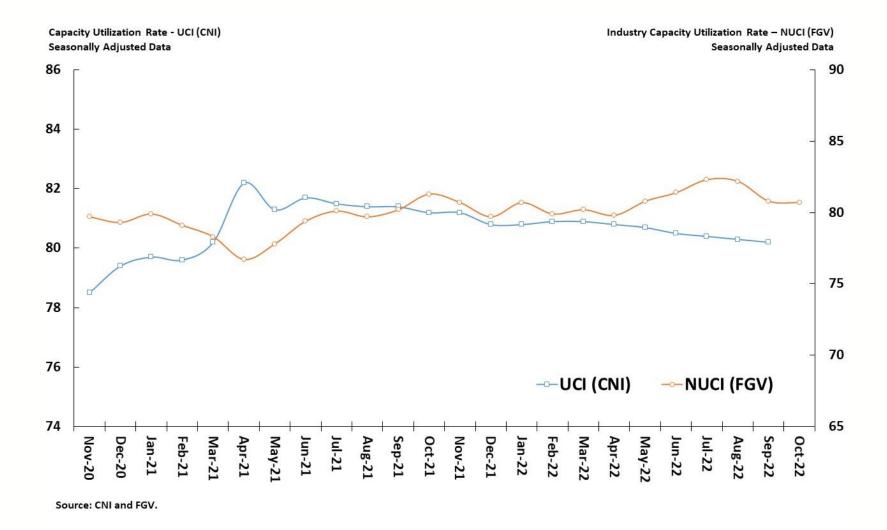


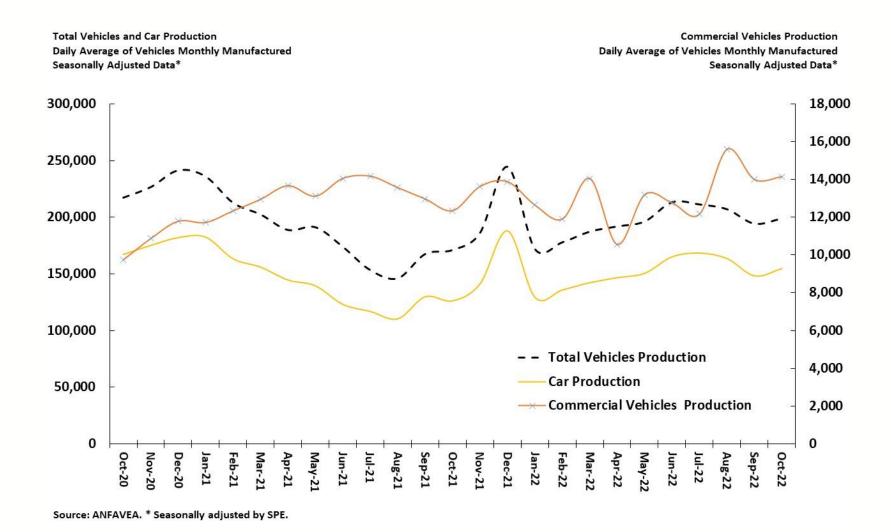


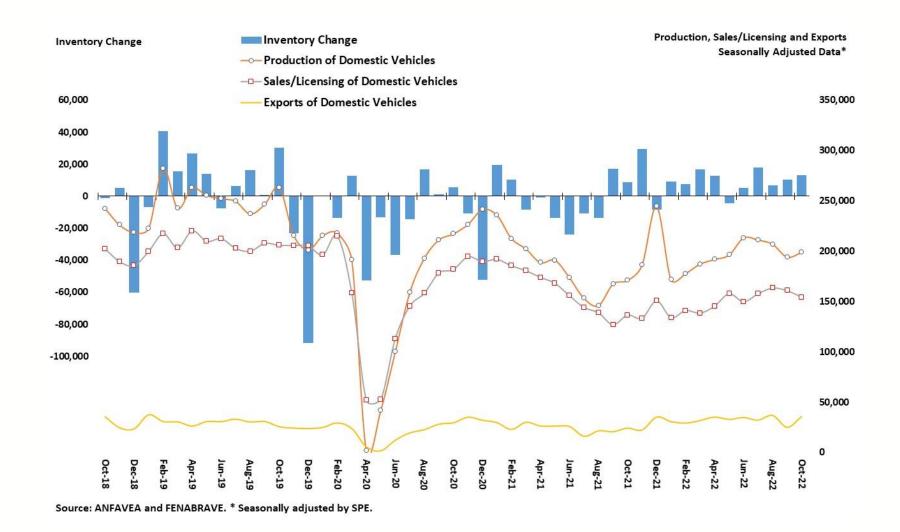


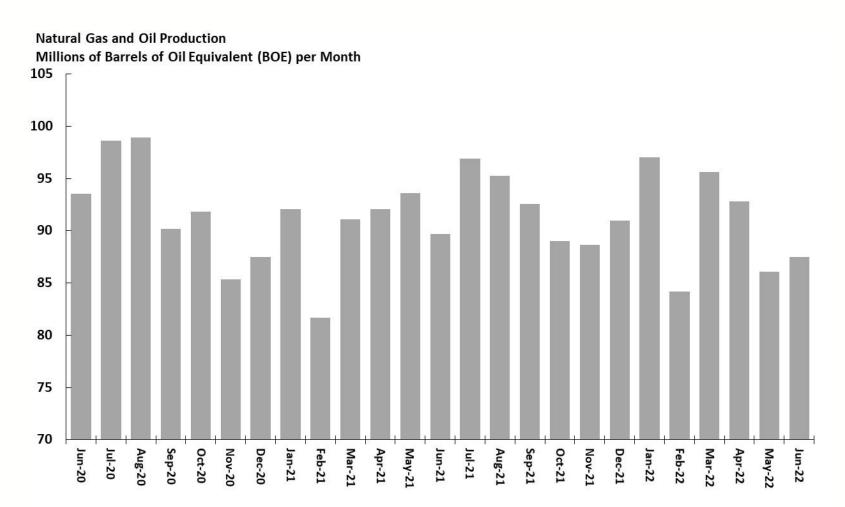


Source: CNI.

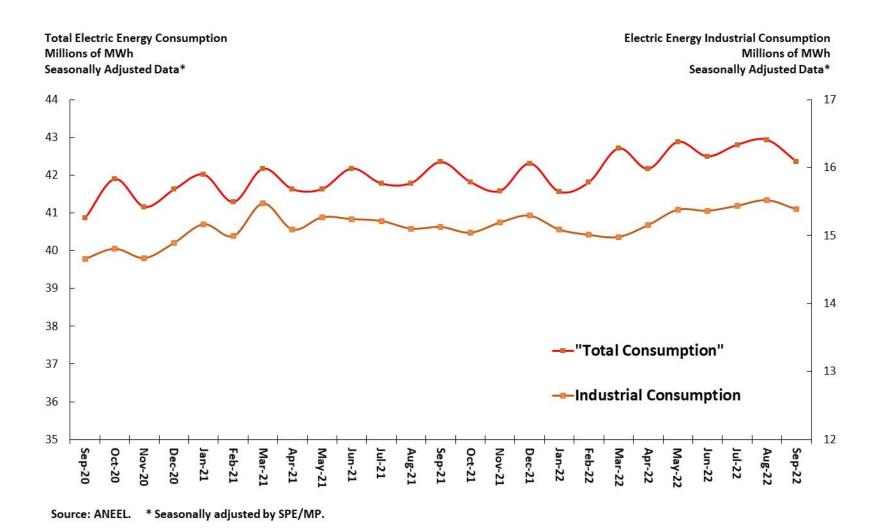


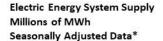


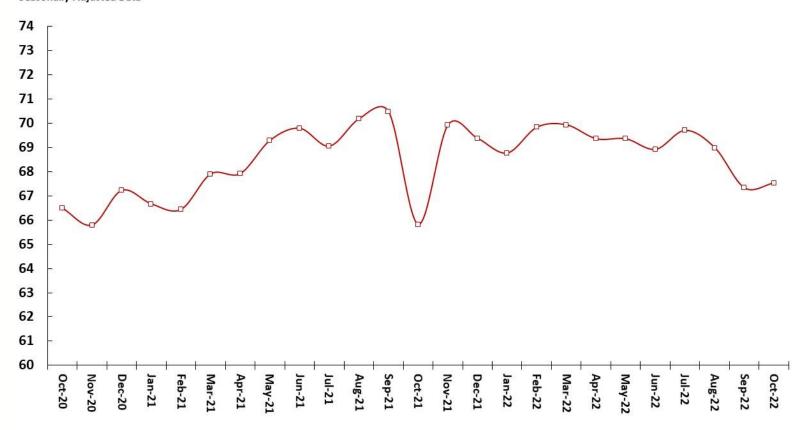




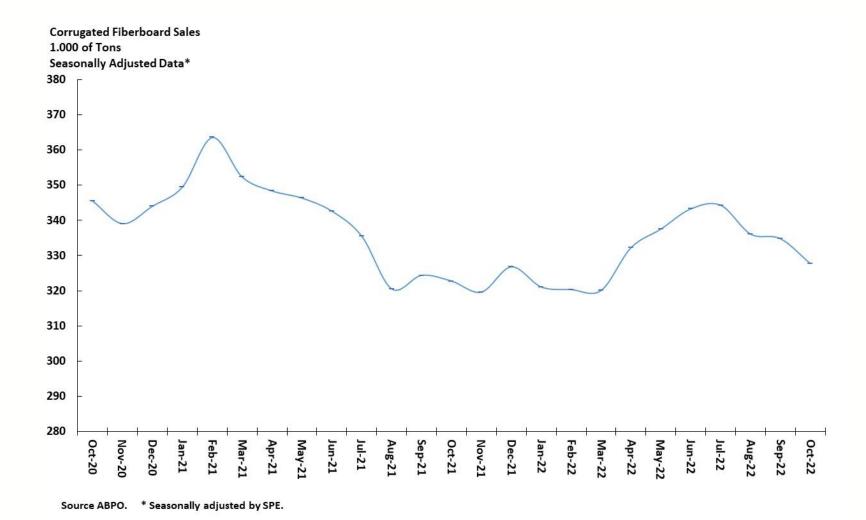
Source: ANP.



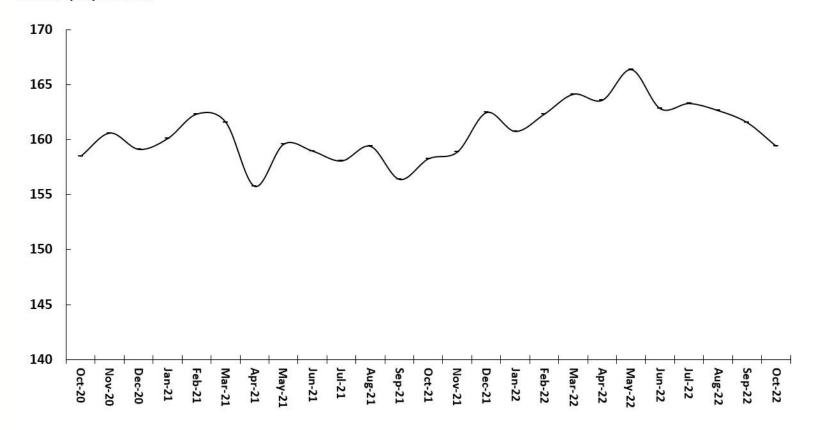




Source: ONS. * Seasonally adjusted by SPE.



Heavy Vehicles Road Traffic Index Index: 1999=100 Seasonally Adjusted Data



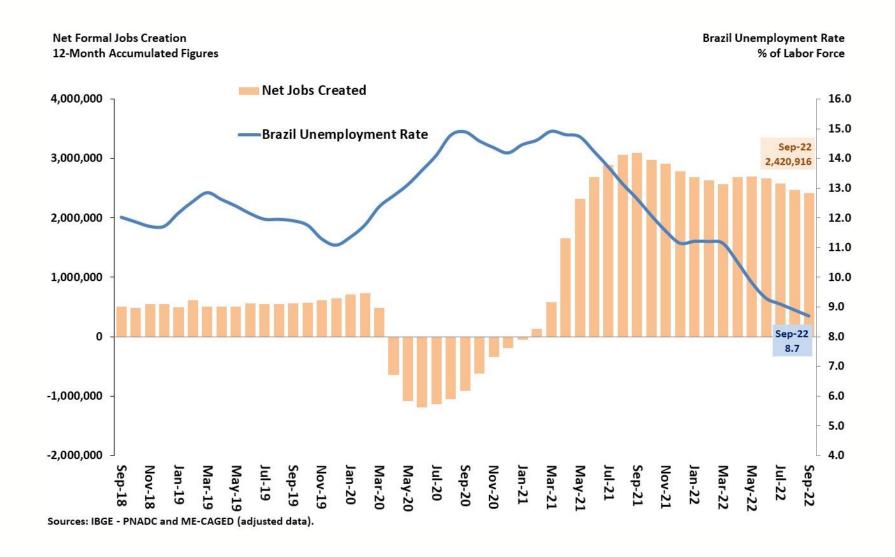
Source: ABCR.

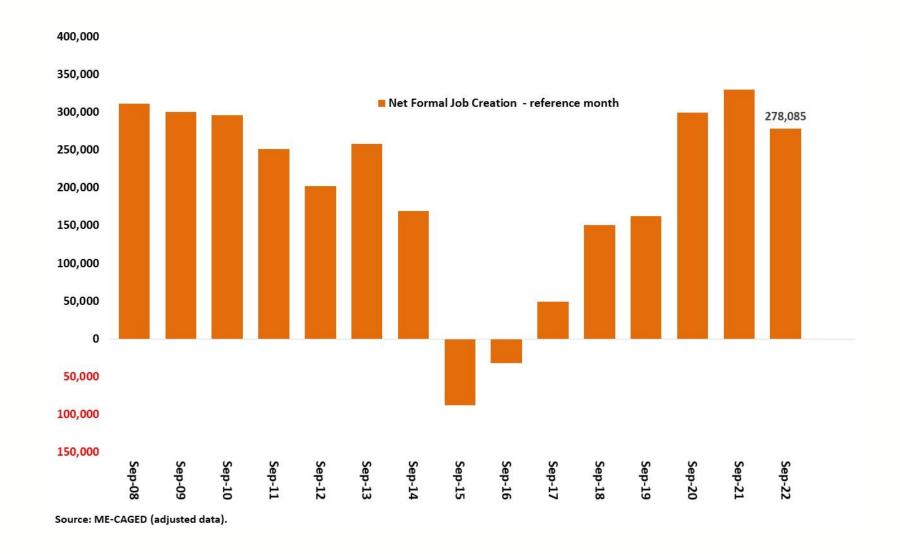
Labor market

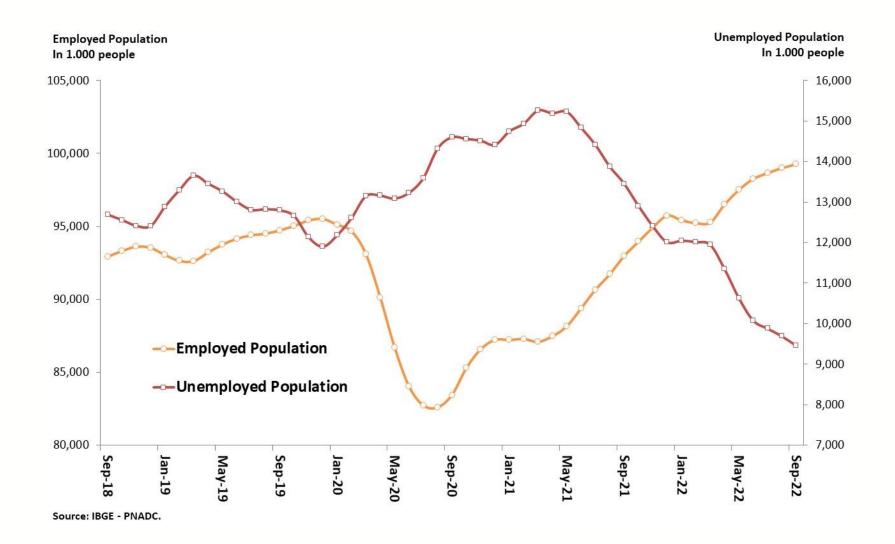
										BCB/Focus:	11/11/22	
Employment Indicators September-2: Brasil (PNADC, IBGE)	2 2020 average	2021 average	set/yy (12-months moving	Sep-22	chg.% 2021 / 2020	chg.% ago/yy- ago/yy	chg.% set/yy- set/yy	chg.% YTD 2020 / YTD 2019	chg.% set/yy - 2019 average	2022	2023	2024
Bidsii (FNADG, IBGE)			average)			-977	,,		g.			
Unemployment Rate % Labor Force	13.5	13.5	10.4	8.7	0.0 pp	-4.2 pp	-3.9 pp	-4.1 pp	-4.8 pp	9.95	10.2	10.0
Working Age Population (in thousands)	169,917	171,551	172,741	173,457	1.0%	0.9%	0.9%	0.9%	1.1%			
Labor Force (in thousands)	101,254	104,652	107,854	108,729	3.4%	2.9%	2.2%	4.1%	3.9%			
Employed Population (in thousands)	87,638	90,549	96,651	99,269	3.3%	7.9%	6.8%	9.1%	9.6%			
Unemployed Population (in thousands)	13,617	14,103	11,202	9,460	3.6%	-30.1%	-29.7%	-26.4%	-32.9%			
Average Real Earnings (PNADC, IBGE) September-2	2020	2021	set/yy (12-months	Sep-22	chg.% 2021	chg.% ago/yy-	chg.% set/yy-	chg.% YTD 2020 / YTD	chg.% set/yy - 2019			
real values (in R\$ of last month)	average	average	moving average)		/ 2020	ago/yy	set/yy	2019	average			
Employed Population	2,921	2,747	2,633	2,737	-5.9%	-0.7%	2.5%	-5.5%	-0.4%			
Formal Contract	2,730	2,608	2,318	0	-4.5%	-1.0%	-100.0%	-14.6%	-100.0%			
Informal Contract	1,866	1,761	1,575	0	-5.6%	1.8%	-100.0%	-13.7%	-100.0%			
Self-employed	2,133	2,082	2,210	3,795	-2.4%	1.9%	85.2%	8.1%	82.3%			
Public Sector	4,267	4,120	3,752	3,795	-3.4%	-7.7%	-3.9%	-11.6%	-7.9%			
Real Wage Bill (in R\$ milions of last months)	251,047	243,955	250,432	266,731	-2.8%	7.7%	9.4%	3.5%	9.3%			
Formal Jobs (CAGED, MTE) September-2:	2020	2021	ago/yy accum. in 12-	set/yy accum. in	Year-To-	Sep-22	chg.% 2021	chg.% set/yy accum.12-m /	chg.% YTD 2020 / YTD			
Million people	2020	2021	months	12-months	Date	Зер-22 	/ 2020	2019	2019			
Net Formal Jobs Creation	-193	2,777	2,473	2,421	2,148	278	-1542.2%	-12.8%	85.8%			
Job Oppenings	15,625	20,946	22,759	22,794	17,614	1,927	34.1%	8.8%	111.7%			
Job Separations	15,818	18,169	20,286	20,373	15,467	1,648	14.9%	12.1%	116.6%			

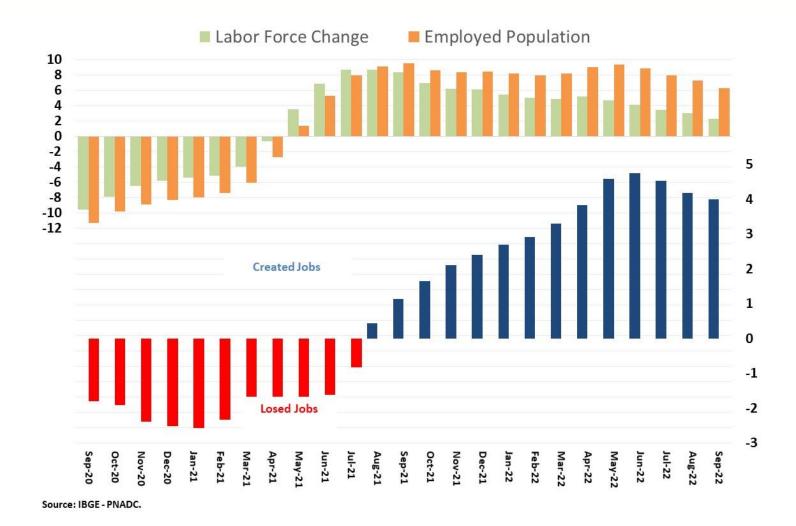
Macroeconomic Parameters												
		Formal Jobs in Private Sector										
Year	Labor Force	Employed Population	Earni	ings	Wage Bill							
Teal		Employed Population	Nominal	Real	Nominal	Real						
		Chg. % acc	um. In 4-trimeste	ers								
2016	1.32	-4.28	7.65	-1.03	3.04	-5.26						
2017	1.70	-2.76	5.90	2.36	2.99	-0.46						
2018	1.20	-0.58	3.43	-0.22	2.84	-0.79						
2019	1.77	1.43	3.35	-0.37	4.83	1.06						
2020	-5.88	-6.91	5.84	2.54	-1.51	-4.56						
2021	4.35	2.56	2.70	-5.10	5.37	-2.75						
2022	3.42	9.38	8.61	-0.71	18.86	8.74						
2023	2.69	4.40	6.54	2.04	11.18	6.50						
2024	2.02	2.54	4.62	1.01	7.27	3.58						
2025	2.17	2.47	4.06	1.03	6.63	3.53						
2026	2.29	2.86	4.39	1.36	7.37	4.25						

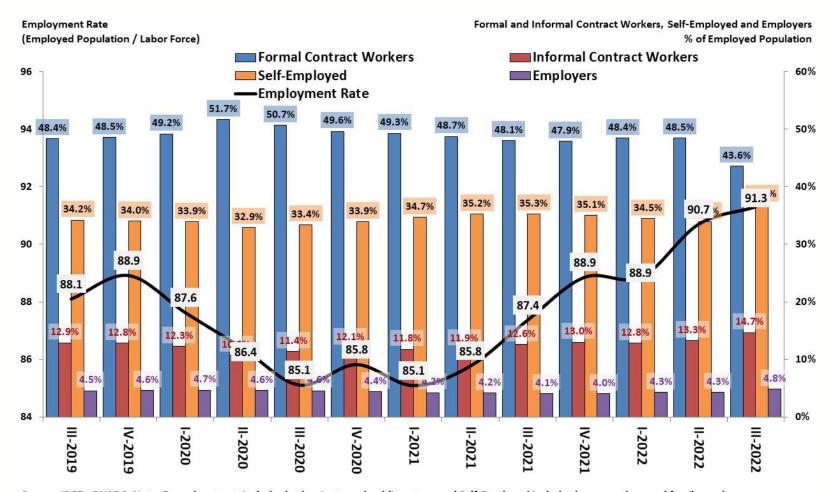
Source: SPE/ME. Macroeconomic Parameters, November-2022.



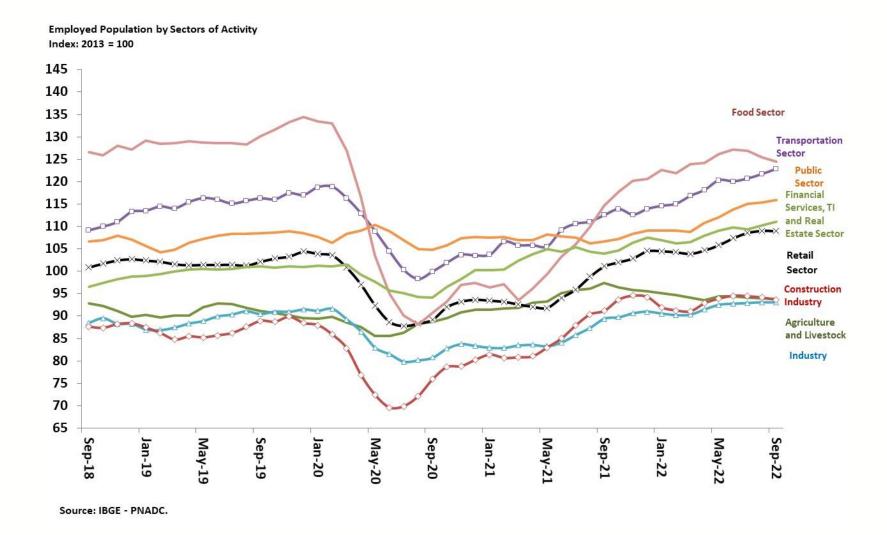


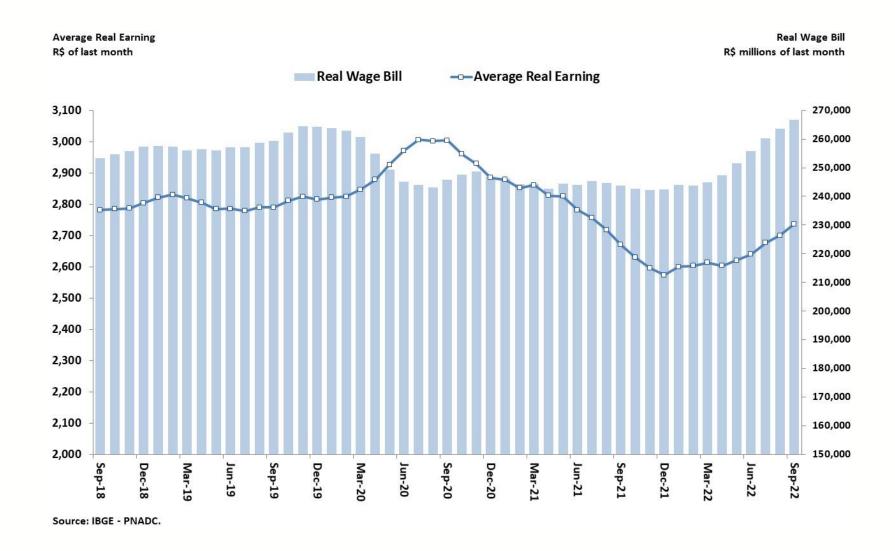






Source: IBGE - PNADC. Note: Formal contract includes both private and public sectors and Self-Employed includes home-workers and family-workers.



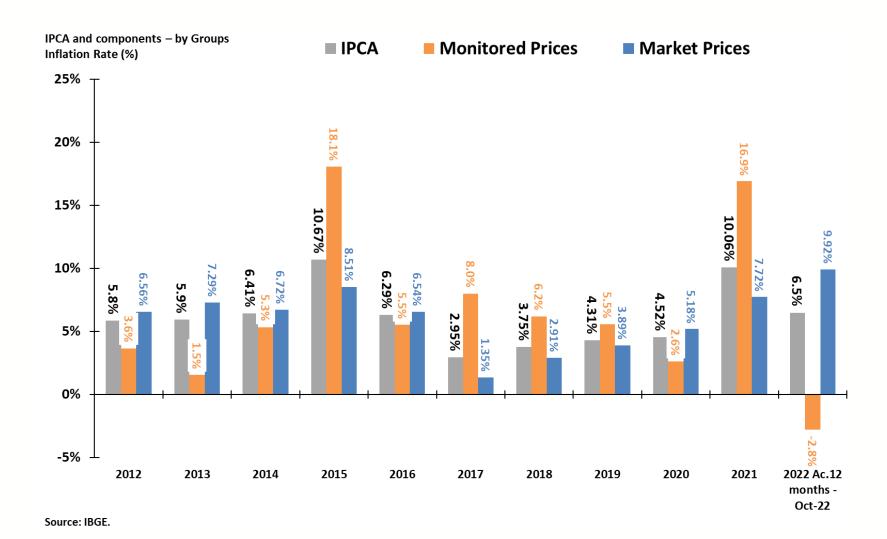


Inflation

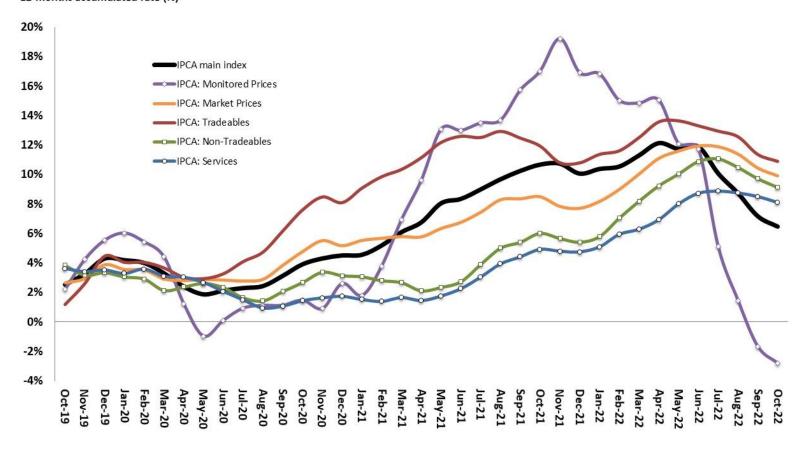
													BCB/Focus:	11/11/22	
Inflation Index	Last update (m / y)	2020	2021	Accum. In 12- months	YTD Wednesd ay	YTD Thursday	(m-2/y-1)	(m-1/y-1)	(m/y-1)	(m-2/y)	(m-1/y)	(m/y)	2022	2023	2024
IPCA Inflation Target (CMN)		4.0%	3.8%	3.5%									3.50%	3.25%	3.00%
Consumer Price Index IPCA (IBGE)	Oct-22	4.52%	10.06%	6.47%	8.24%	4.70%	0.87%	1.16%	1.25%	-0.36%	-0.29%	0.59%	5.82%	4.94%	3.50%
IPCA core (By exclusion food and energy - Ex2)	Oct-22	2.8%	7.3%	8.3%	5.8%	6.8%	0.5%	1.0%	1.0%	0.5%	0.5%	0.7%			
Food and Beverages	Oct-22	14.1%	7.9%	11.2%	7.1%	10.3%	1.4%	1.0%	1.2%	0.2%	-0.5%	0.7%			
Housing	Oct-22	5.3%	13.0%	1.1%	11.1%	-0.6%	0.7%	2.6%	1.0%	0.1%	0.6%	0.3%			
Household Articles	Oct-22	6.0%	12.1%	10.5%	9.4%	7.9%	1.0%	0.9%	1.3%	0.4%	-0.1%	0.4%			
Apparel	Oct-22	-1.1%	10.3%	18.5%	7.1%	15.0%	1.0%	0.3%	1.8%	1.7%	1.8%	1.2%			
Transportation	Oct-22	1.0%	21.0%	1.5%	16.4%	-2.3%	1.5%	1.8%	2.6%	-3.4%	-2.0%	0.6%			
Health and Personal Care	Oct-22	1.5%	3.7%	9.8%	3.5%	9.6%	0.0%	0.4%	0.4%	1.3%	0.6%	1.2%			
Personal Expenses	Oct-22	1.0%	4.7%	8.1%	3.6%	6.9%	0.6%	0.6%	0.8%	0.5%	1.0%	0.6%			
Education	Oct-22	1.1%	2.8%	7.3%	2.8%	7.3%	0.3%	0.0%	0.1%	0.6%	0.1%	0.2%			
Communication	Oct-22	3.4%	1.4%	-0.9%	1.0%	-1.4%	0.2%	0.1%	0.5%	-1.1%	-2.1%	-0.5%			
Consumer Price Index INPC (IBGE)	Oct-22	2.07%	3.43%	6.46%	8.45%	4.81%	0.88%	1.20%	1.16%	-0.31%	-0.32%	0.47%			
Consumer Price Index IPCA - 15 (IBGE)	Oct-22	4.23%	10.42%	6.85%	8.30%	4.80%	0.89%	1.14%	1.20%	-0.73%	-0.37%	0.16%			
General Price Index IGP-10 (FGV)	Nov-22	-0.42%	7.92%	5.57%	17.47%	18.00%	-0.37%	-0.31%	1.19%	-0.90%	-1.04%	-0.59%			
General Price Index IGP-M (FGV)	Oct-22	-0.53%	7.55%	6.52%	16.75%	5.58%	0.66%	-0.64%	0.64%	-0.70%	-0.95%	-0.97%	6.32%	4.50%	4.00%
General Price Index IGP-DI (FGV)	Oct-22	-0.42%	7.10%	5.56%	2.91%	4.87%	-0.14%	-0.55%	1.60%	-0.55%	-1.22%	-0.62%			
Consumer Price Subindex IPC/Br-DI	Oct-22	3.22%	4.34%	5.06%	0.27%	3.34%	0.71%	1.43%	0.77%	-0.57%	0.02%	0.69%			
Construction Cost Subindex INCC-DI	Oct-22	4.25%	3.83%	9.89%	0.89%	8.78%	0.46%	0.51%	0.86%	0.09%	0.09%	0.12%			
Wholesale Price Subindex IPA-DI	Oct-22	-2.52%	8.73%	5.20%	3.92%	4.82%	-0.42%	-1.17%	1.90%	-0.63%	-1.68%	-1.04%			
IPA-DI Industry	Oct-22	1.22%	9.16%	4.50%	3.25%	4.71%	3.93%	-0.04%	-0.06%	0.67%	-1.20%	-1.79%			
IPA-DI Agriculture	Oct-22	-12.34%	7.52%	5.49%	4.20%	4.86%	-2.11%	-1.64%	2.72%	-1.14%	-1.88%	-0.73%			
São Paulo Consumer Price Index IPC RMSP (FIPE)	Oct-22	2.28%	2.99%	7.62%	8.32%	6.24%	1.44%	1.13%	1.00%	0.12%	0.12%	0.45%			

Macroeconomic Parameters											
	Inflation										
	IP	CA	IN	PC	IGP	P-DI					
Year	Annual	Annual	Annual	Annual	Annual	Annual					
	Average	Accum.	Average	Accum.	Average	Accum.					
			Chg	. %							
2016	8.74	6.29	9.32	6.58	10.19	7.18					
2017	3.45	2.95	2.97	2.07	0.96	-0.42					
2018	3.66	3.75	2.87	3.43	5.81	7.10					
2019	3.73	4.31	3.75	4.48	6.05	7.70					
2020	3.21	4.52	3.61	5.45	13.05	23.08					
2021	8.30	10.06	8.99	10.16	27.30	17.74					
2022	9.29	5.85	9.44	6.00	10.44	6.11					
2023	4.42	4.60	4.65	4.90	2.74	4.55					
2024	3.57	3.00	3.67	3.00	4.35	4.19					
2025	3.00	3.00	3.00	3.00	4.06	3.98					
2026	3.00	3.00	3.00	3.00	3.85	3.71					

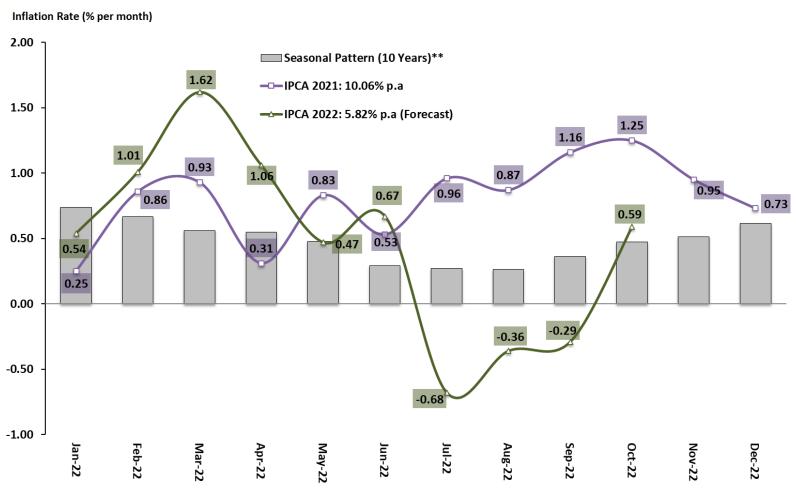
Source: SPE/ME. Macroeconomic Parameters, November-2022.



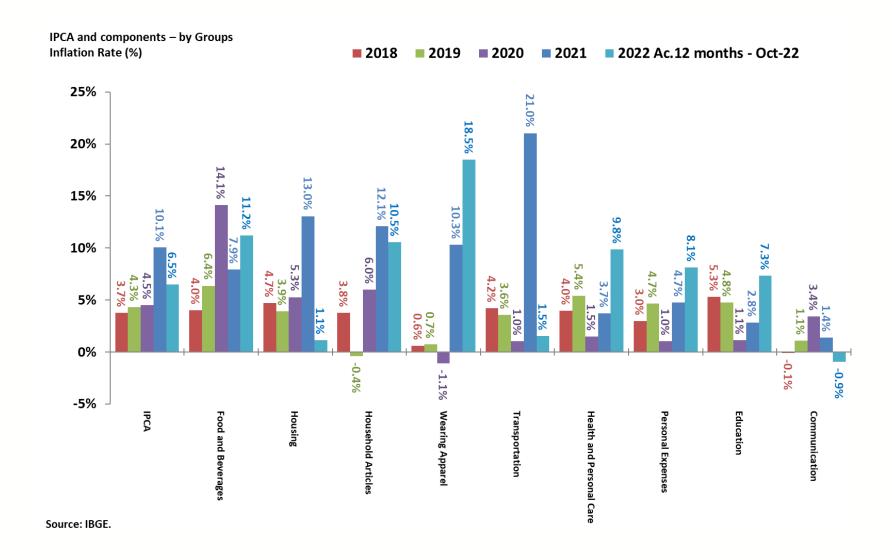


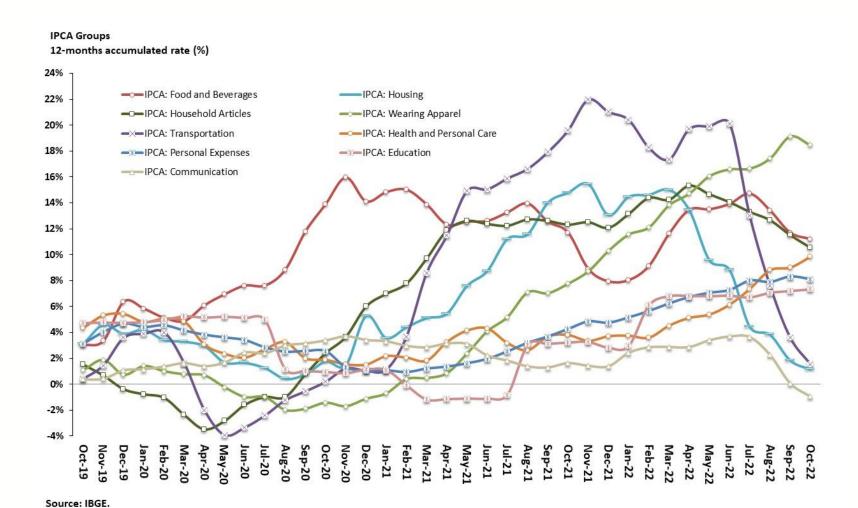


Source: IBGE

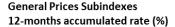


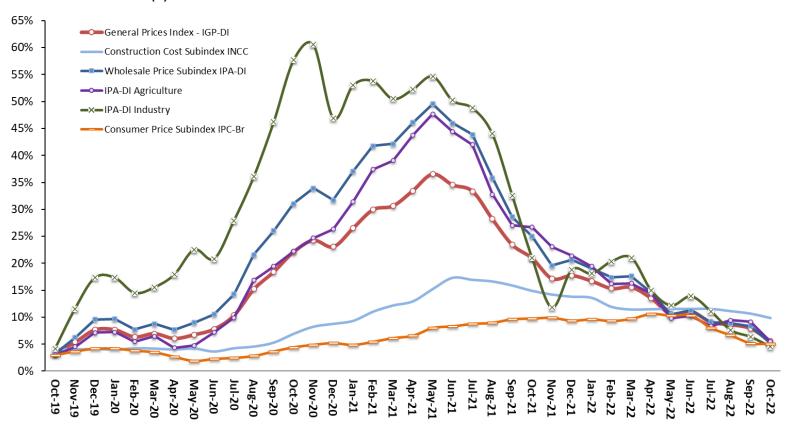
Sources: IBGE and Central Bank of Brazil. * Annual Forecast: Central Bank of Brazil, Focus Survey, 11/11/2022 *Seasonal pattern estimated by SPE.



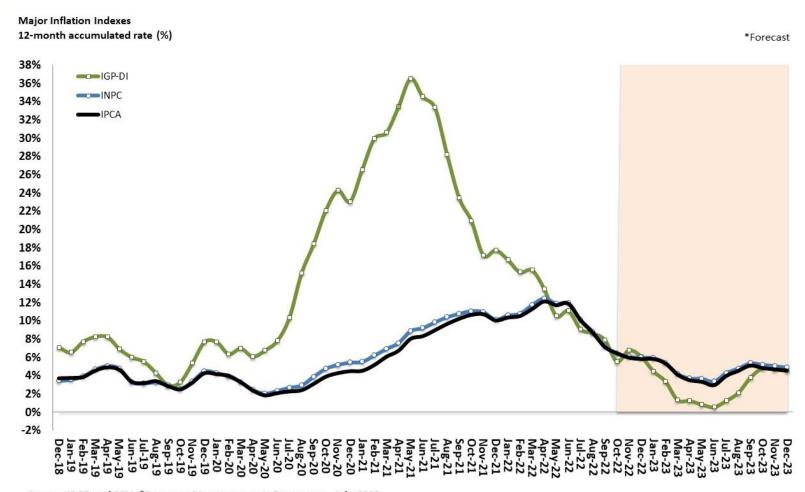


MINISTRY OF ECONOMY

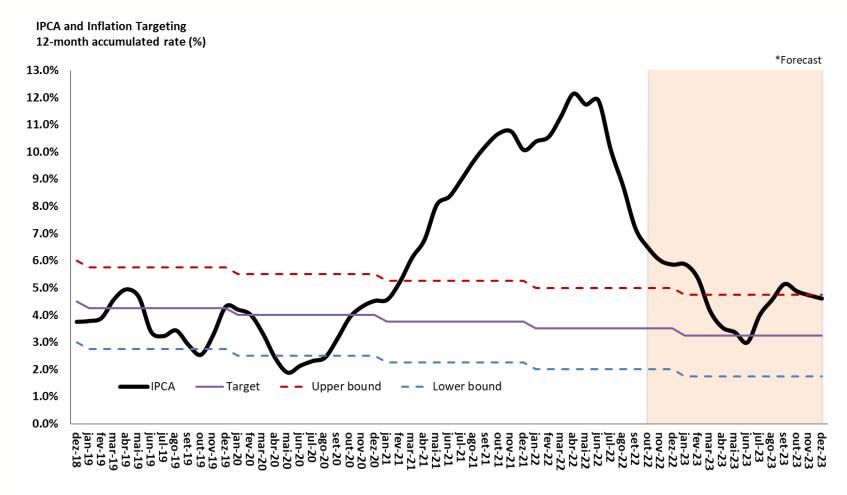




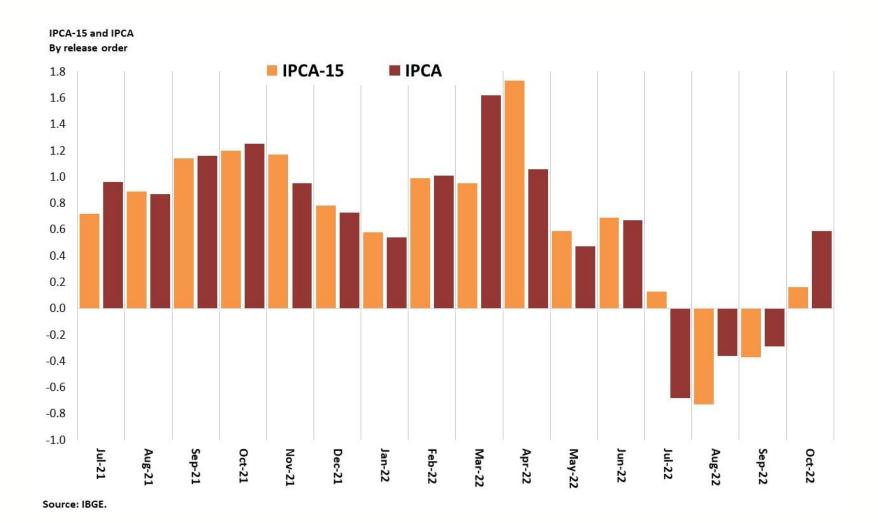
Source: IBGE.

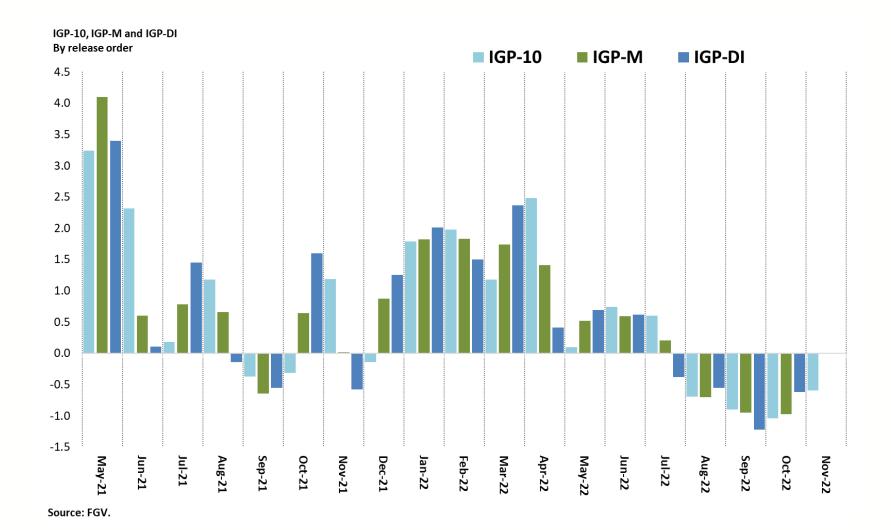


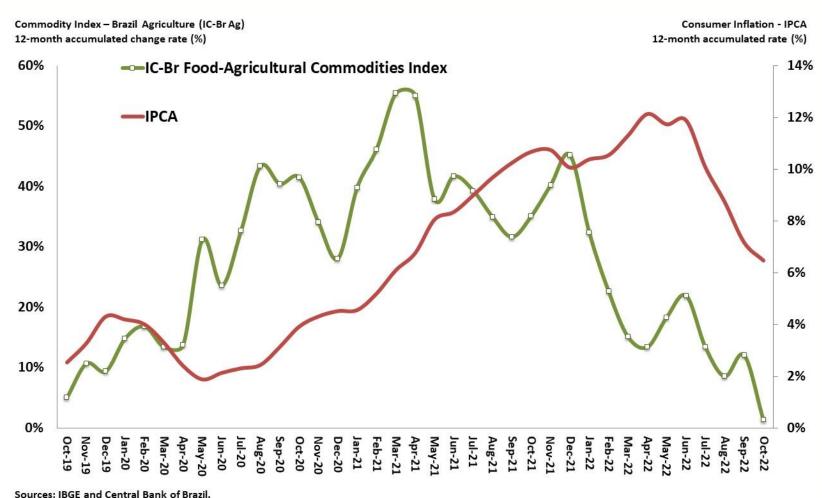
Source: IBGE and FGV. *Forecast: Macroeconomic Parameters, July-2022.



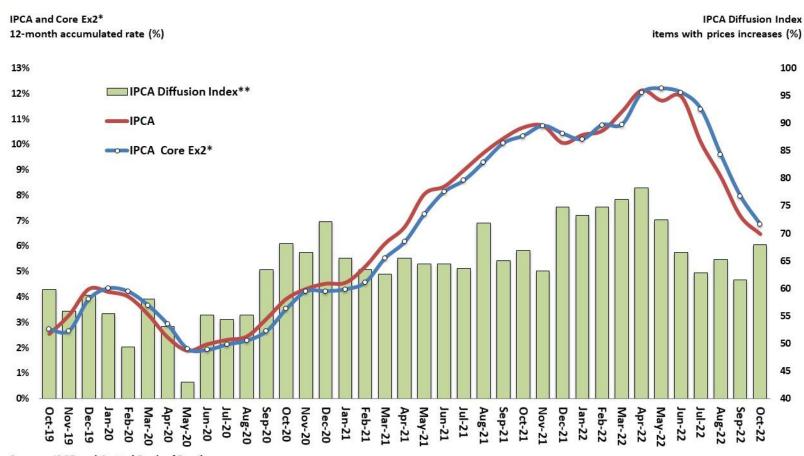
Source: IBGE and Central Bank of Brazil. *Forecast: Macroeconomic Parameters, November-2022.







Sources: IDGE and Central Dank Of Drazil.



Sources: IBGE and Central Bank of Brazil.

^{*} 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.

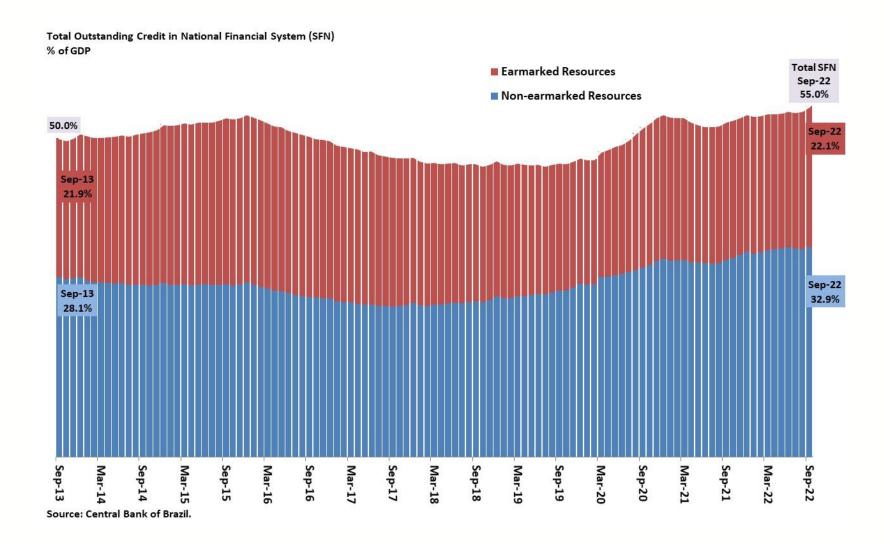
^{**} Diffusion Index = % of items from IPCA with price increase.

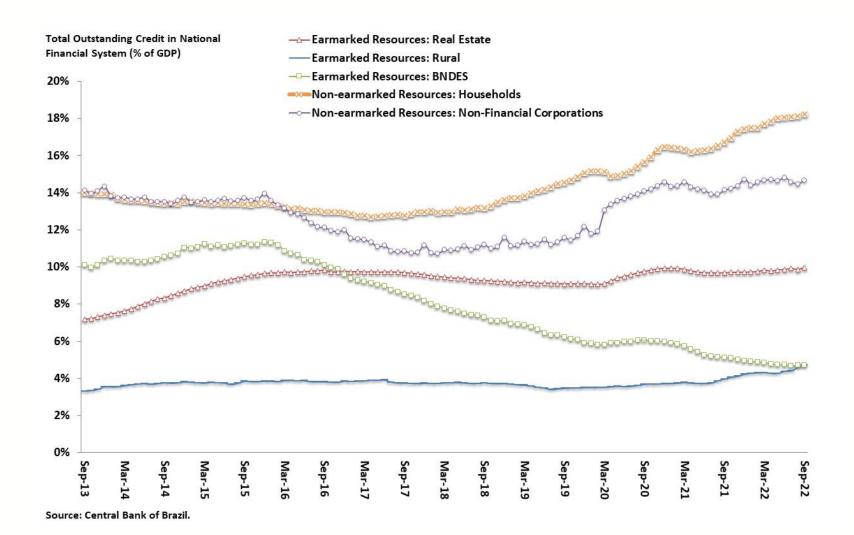
Credit Market

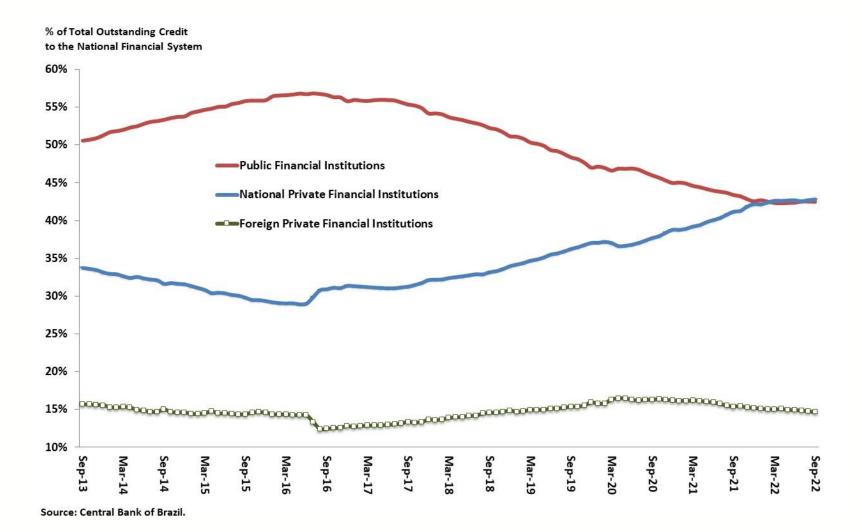
Credit Market (BCB) September-22							chq.%	chg.%			
Credit Market (DCD) September-22	Dec-20	Dec-21	Sep-22	% of Total	% of Total Credit dez/yy	% of Total	dez/yy-	set/yy-	% of GDP	% of GDP	% of GDP
End-of-Period Outstanding Credit (in R\$ billions)				Credit dez/yy	Credit dez/yy	Credit Set/yy	dez/yy	dez/yy	dez/yy	dez/yy	set/yy
Total Credit to the National Financial System (NFS)	4,016.9	4,673.5	5,176.7	100.0%	100.0%	100.0%	16.3%	10.8%	53.8%	53.8%	55.0%
by type of borrower											
Public Sector (incl. State-Owned Enterprises)	223.5	202.3	212.2	5.6%	4.3%	4.1%	-9.5%	4.8%	3.0%	2.3%	2.3%
Private Sector	3,793.4	4,470.0	4,964.5	94.4%	95.6%	95.9%	17.8%	11.1%	50.8%	51.5%	52.7%
Non-Financial Corporations	1,775.9	1,962.7	2,109.7	44.2%	42.0%	40.8%	10.5%	7.5%	23.8%	22.6%	22.4%
Households	2,241.1	2,710.8	3,067.0	55.8%	58.0%	59.2%	21.0%	13.1%	30.0%	31.2%	32.6%
by type of lender											
Public Financial Institutions	1,807.8	1,990.2	2,201.4	45.0%	42.6%	42.5%	10.1%	10.6%	24.2%	22.9%	23.4%
National Private Financial Institutions	1,558.3	1,971.7	2,215.9	38.8%	42.2%	42.8%	26.5%	12.4%	20.9%	22.7%	23.5%
Foreign Private Financial Institutions	650.8	710.8	759.4	16.2%	15.2%	14.7%	9.2%	6.8%	8.7%	8.2%	8.1%
by type of credit											
Earmarked Resources	1,697.7	1,882.2	2,079.7	42.3%	40.3%	40.2%	10.9%	10.5%	22.7%	21.7%	22.1%
Housing	277.5	366.8	445.0	6.9%	7.8%	8.6%	32.2%	21.3%	3.7%	4.2%	4.7%
Rural	741.5	843.7	939.9	18.5%	18.1%	18.2%	13.8%	11.4%	9.9%	9.7%	10.0%
BNDES Development Bank	445.7	431.3	442.8	11.1%	9.2%	8.6%	-3.2%	2.7%	6.0%	5.0%	4.7%
Others	233.0	240.4	252.0	5.8%	5.1%	4.9%	3.2%	4.8%	3.1%	2.8%	2.7%
Non-Financial Corporations	687.5	685.3	727.2	17.1%	14.7%	14.0%	-0.3%	6.1%	9.2%	7.9%	7.7%
Households	1,010.1	1,196.9	1,352.6	25.1%	25.6%	26.1%	18.5%	13.0%	13.5%	13.8%	14.4%
Non-earmarked Resources	2,319.2	2,791.3	3,097.0	57.7%	59.7%	59.8%	20.4%	11.0%	31.1%	32.2%	32.9%
Non-Financial Corporations	1,088.3	1,277.4	1,382.5	27.1%	27.3%	26.7%	17.4%	8.2%	14.6%	14.7%	14.7%
Households	1,230.9	1,513.9	1,714.5	30.6%	32.4%	33.1%	23.0%	13.2%	16.5%	17.4%	18.2%
Non-earmarked Resources (BCB) September-22				% of Total	% of Total	% of Total	chg.%	chg.%	% of GDP	% of GDP	% of GDP
	Dec-20	Dec-21	Sep-22		Credit dez/yy		dez/yy-	set/yy-	dez/yy	dez/yy	set/yy
New Loans, Spread and Delinquency Rates							dez/yy	dez/yy			
New Loans (12-months accum. in R\$ billions)	3,606.4	4,369.0	5,127.1	100.0%	100.0%	100.0%	21.1%	17.4%	48.3%	50.3%	54.5%
Non-Financial Corporations	1,748.7	2,086.3	2,462.6	48.5%	47.8%	48.0%	19.3%	18.0%	23.4%	24.0%	26.2%
Households	1,857.7	2,282.6	2,664.5	51.5%	52.2%	52.0%	22.9%	16.7%	24.9%	26.3%	28.3%
Spread (in pp per year)	20.8	23.6	28.3				2.9 pp	4.7 pp			
Non-Financial Corporations	7.7	9.7	11.0				2.0 pp	1.4 pp			
Households	31.7	34.7	41.4				3.0 pp	6.6 pp			
Delinquency (% non-performing loans by 90 days or more)	2.9	3.1	4.0				0.2 pp	0.9 pp			
Non-Financial Corporations	1.5	1.5	1.9				0.1 pp	0.4 pp			
Households	4.2	4.4	5.7				0.2 pp	1.3 pp			

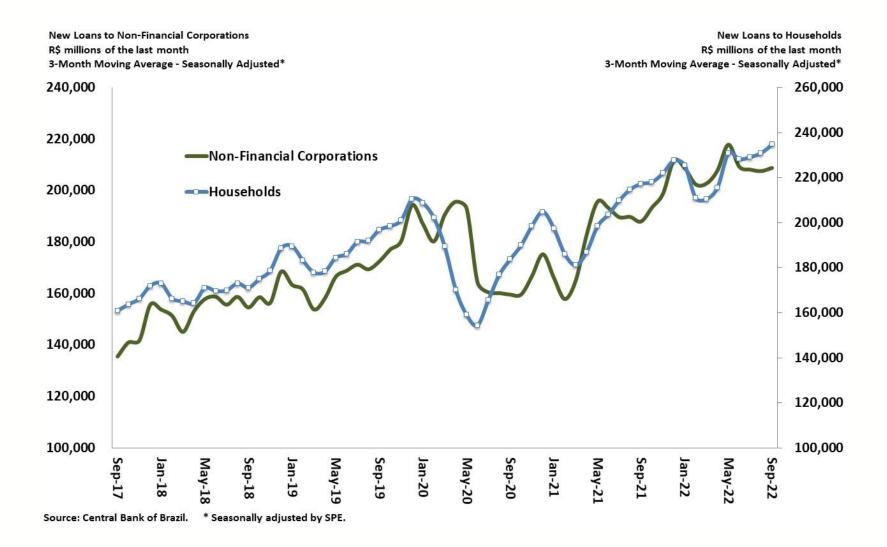
Macroeconomic Parameters									
	Credit Market								
Year	Vear Total Credit								
. ca.	Annual Ave	rage							
	BRL million	Annual chg. %							
2016	3,144,353	0.84							
2017	3,079,705	-2.06							
2018	3,145,561	2.14							
2019	3,324,502	5.69							
2020	3,699,682	11.29							
2021	4,288,795	15.92							
2022	5,005,969	16.72							
2023	5,674,188	13.35							
2024	6,302,856	11.08							
2025	6,935,484 10.04								
2026	7,600,889	9.59							

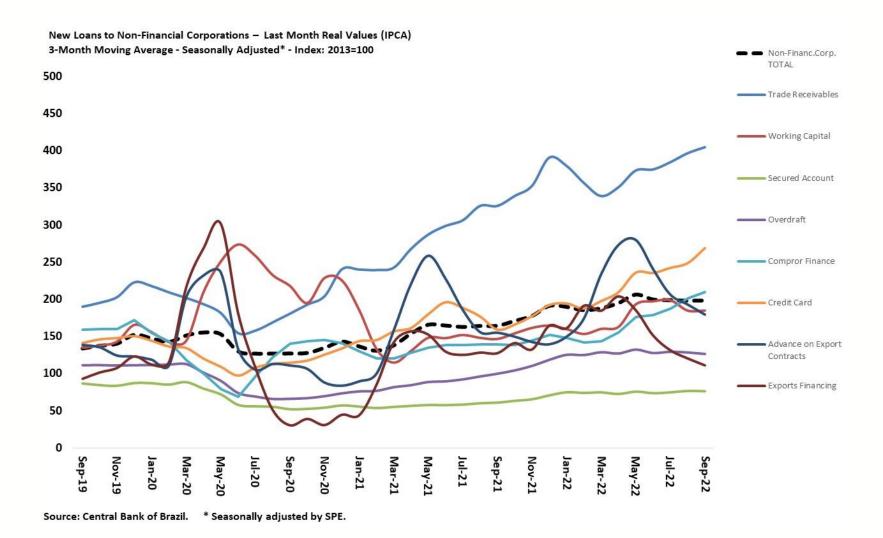
Source: SPE/ME. Macroeconomic Parameters, November-2022.



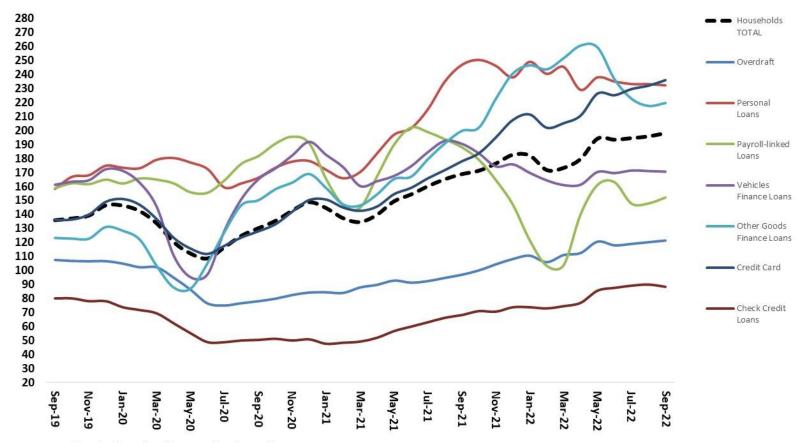




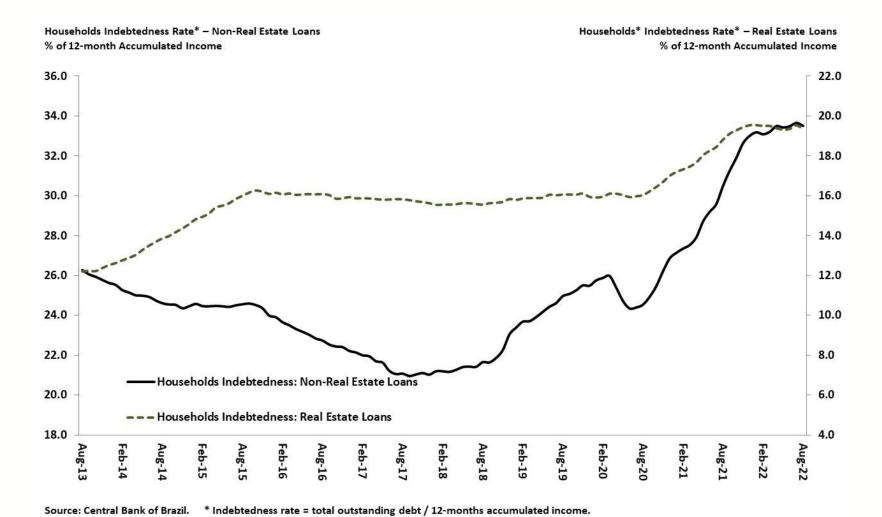




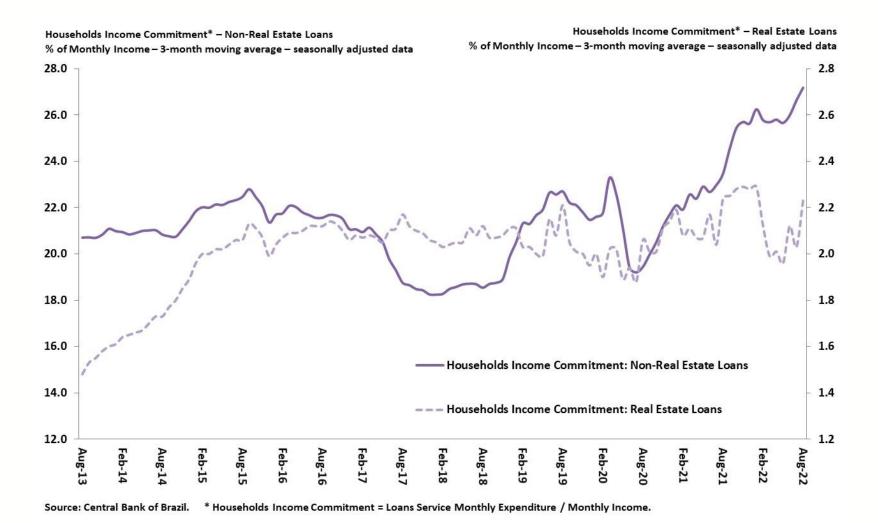
New Loans to Households – Real Last Month Values (IPCA)
3-Months Moving Average - Seasonally Adjusted* - Index: 2013=100

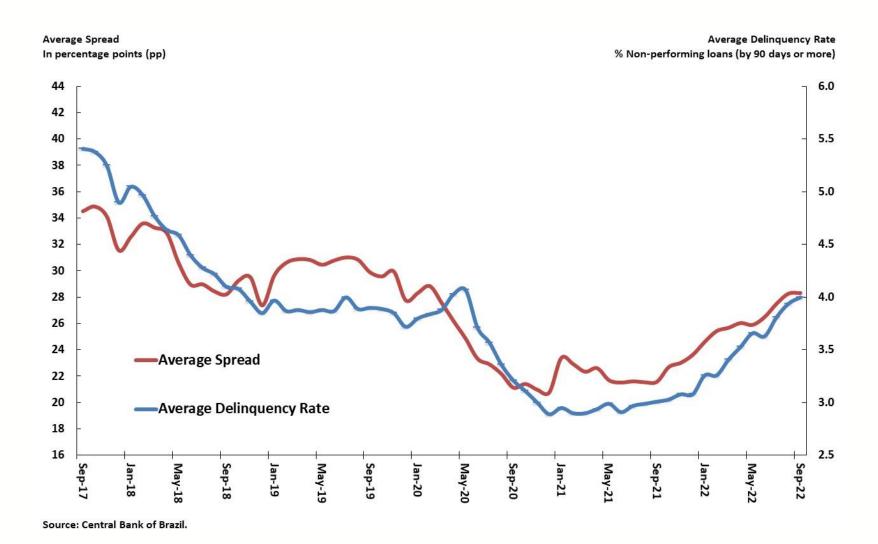


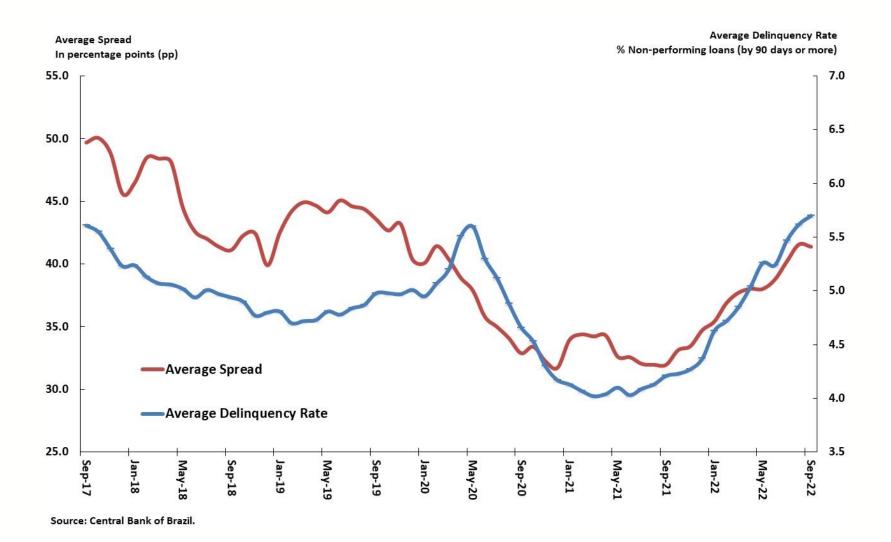
Source: Central Bank of Brazil. * Seasonally adjusted by SPE.

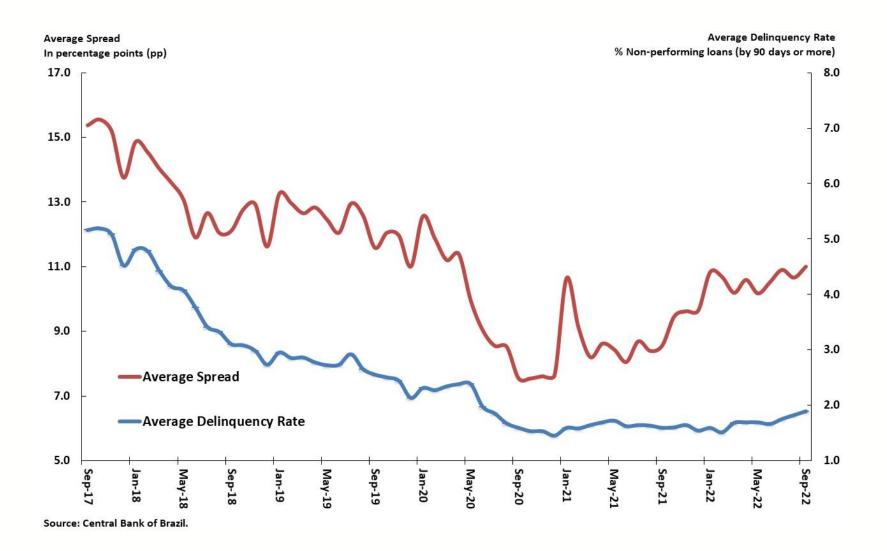


MINISTRY OF ECONOMY









Financial Markets

Monet Market (BCB)

November-22

Dec-20

Dec-21

Nov-21

										BCB/Focus:	11/11/22	
Financial Savings (BCB)	October-22	Dec-20	Dec-21	Oct-21	Oct-22	chg. % Dec/17 /	chg. % Dec/18 /	chg. % out/yy-	chg. % out/yy-			
Outstanding Positions - R\$ billions						Dec/16	Dec/17	Dec/18	out/yy			
Bank Certificates of Deposit (CDB/RDB)		1,598.0	1,758.4	1,695.4	1,994.3	58.1%	10.0%	13.4%	17.6%			
Savings Accounts (Caderneta de Poupança)		1,035.6	1,030.6	1,027.3	987.7	22.5%	-0.5%	-4.2%	-3.9%			
Investment Funds		4,245.9	5,179.3	5,141.2	5,710.6	-0.3%	22.0%	10.3%	11.1%			
Exchange-traded Funds		565.3	584.7	589.4	530.4	28.0%	3.4%	-9.3%	-10.0%			
Treasury Bonds Direct (Tesouro Direto)		62.7	79.2	74.5	99.9	5.1%	26.3%	26.2%	34.0%			
BM&F-Bovespa - listed companies value as % of G	DP	69.3%	52.7%	69.3%	52.7%	0.53 pp	0.47 pp	4.43 pp	-16.57 pp			
Capital Market (CVM)	October-22					chg. %	chg. %	chg. %	chg. %			
		Dec-20	Dec-21	Oct-21	Oct-22	Dec/17 /	Dec/18 /	out/yy-	out/yy-			
New Public Offering - R\$ billions						Dec/16	Dec/17	Dec/18	out/yy			
Stocks		26.1	36.0	36.0	30.8	517.8%	37.6%	-100.0%	-			
Debentures		3.3	10.1	6.9	12.0	-77.7%	209.7%	-	-			
Housing Credit-backed Securities (CRI)		3.5	15.8	11.1	21.1	-83.8%	355.0%	-35.8%	3.0%			
Investment Funds - new shares		24.6	24.4	21.3	16.8	162.1%	-1.2%	-30.1%	-57.5%			
Monet Market (BCB)	October-22					chg. %	chg. %	chg. %	chg. %			
		Dec-20	Dec-21	Oct-21	Oct-22	Dec/17 /	Dec/18 /	out/yy-	out/yy-			
						Dec/16	Dec/17	Dec/18	out/yy			
Interest Rates												
Selic market rate (% py)		1.90	8.76	7.65	13.65	-2.7 pp	6.9 pp	4.9 pp	6.0 pp			
CDI (% py)		1.90	8.76	7.65	13.65	-2.7 pp	6.9 pp	4.9 pp	6.0 pp			
Swap DI-Pre 180 days (% py)		2.10	11.20	10.31	13.69	-2.2 pp	9.1 pp	2.5 pp	3.4 pp			
Swap DI-Pre 360 days (% py)		2.83	11.79	11.92	13.15	-1.7 pp	9.0 pp	1.4 pp	1.2 pp			

chg. %

Dec/17 /

Dec/16

chg. %

Dec/18/

Dec/17

chg. %

nov/yy-

Dec/18

chg. %

nov/yy-

nov/yy

2022

2023

Selic target rate (% py)	2.00	9.25	7.75	13.75	-2.5 pp	7.25 pp	4.5 pp	6.0 pp	13.75%	11.25%	8.00%
TJLP (% py)	4.55	5.32	5.32	7.20	-1.0 pp	0.8 pp	1.88 pp	1.88 pp			
Brazil Sovereign Risk (BCB) October-22	Dec-20	Dec-21	Oct-21	Oct-22	chg. pp Dec/17 /	chg. pp Dec/18 /	chg. % out/yy-	chg. % out/yy-			
Monthly Average (in basis points)					Dec/16	Dec/17	Dec/18	out/yy			
EMBI+ (JPMorgan)	260	326	362	270	46 pp	66 pp	-56 pp	-92 pp			
5 years CDS	143	205	247	277	43 pp	62 pp	72 pp	30 pp			
10 years CDS	215	292	331	369	35 pp	77 pp	77 pp	38 pp			

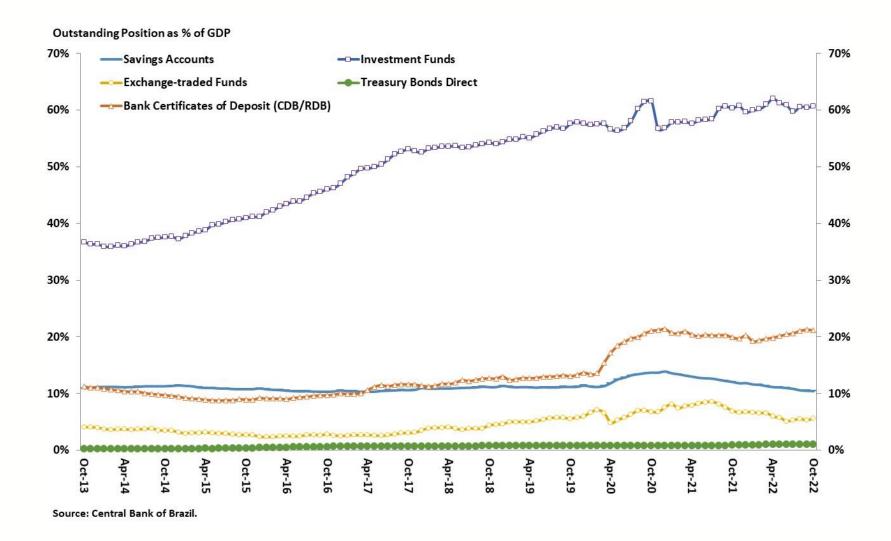
Nov-22

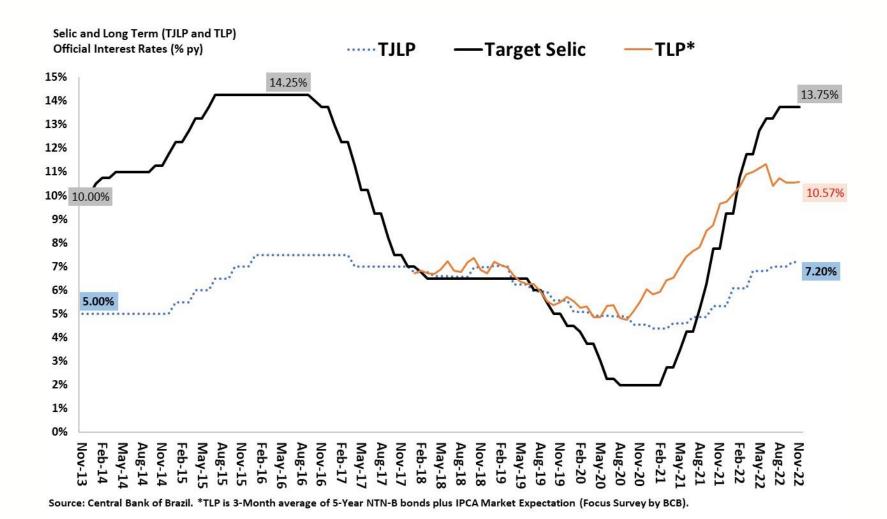
2024

FINANCIAL MARKETS

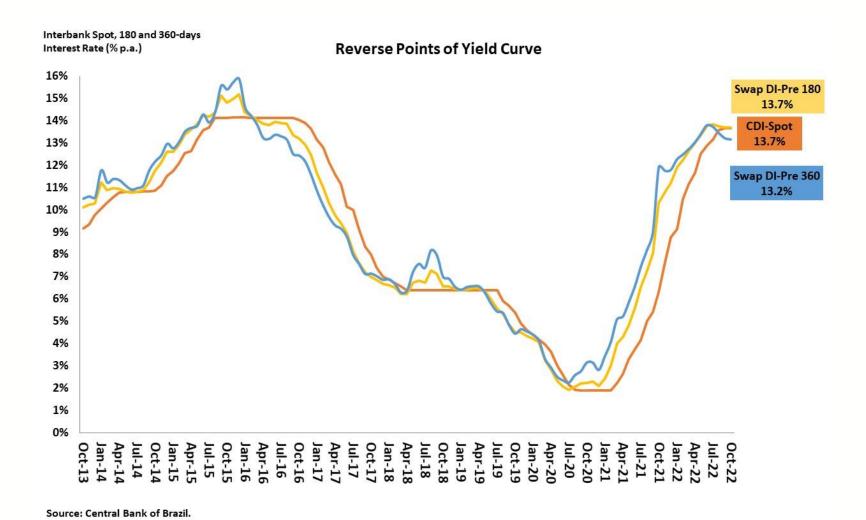
	Macroeconomic Parameters										
	Financial Indicators										
Year	Selic market rate			Long term ra	ate TJLP	Referential rate TR	Financial Savings				
real	Annual Average	Annual Average December Real chg.		Annual Average December		Annual Average	Annual Avera	ual Average			
				Annual chg. %			BRL million	Annual chg. %			
2016	14.08	13.65	7.33	7.50	7.50	2.01	4,566,852	13.89			
2017	9.87	7.00	6.72	7.12	7.00	0.60	4,992,423	9.32			
2018	6.48	6.40	2.64	6.72	6.98	0.00	5,346,678	7.10			
2019	5.90	4.59	1.53	6.18	5.57	0.00	5,744,064	7.43			
2020	2.64	1.90	-1.80	4.87	4.55	0.00	6,367,887	10.86			
2021	3.91	8.76	-5.59	4.79	5.32	0.05	7,334,662	15.18			
2022	12.34	13.65	6.13	6.76	7.20	1.66	8,514,539	16.09			
2023	12.82	11.15	7.86	7.10	6.90	1.84	9,469,209	11.21			
2024	9.07	7.90	5.90	6.60	6.42	0.48	10,344,152	9.24			
2025	7.90	7.90	4.76	6.18	6.09	0.04	11,193,095	8.21			
2026	7.83	7.78	4.70	5.82	5.68	0.01	12,041,335	7.58			

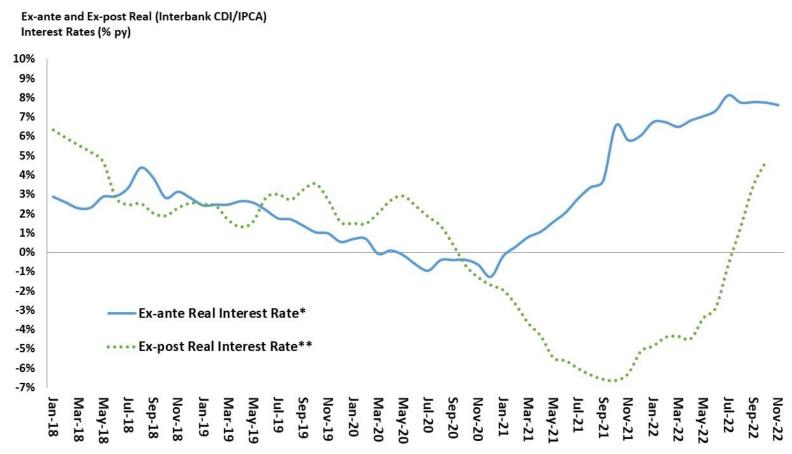
Source: SPE/ME. Macroeconomic Parameters, November-2022.





MINISTRY OF ECONOMY

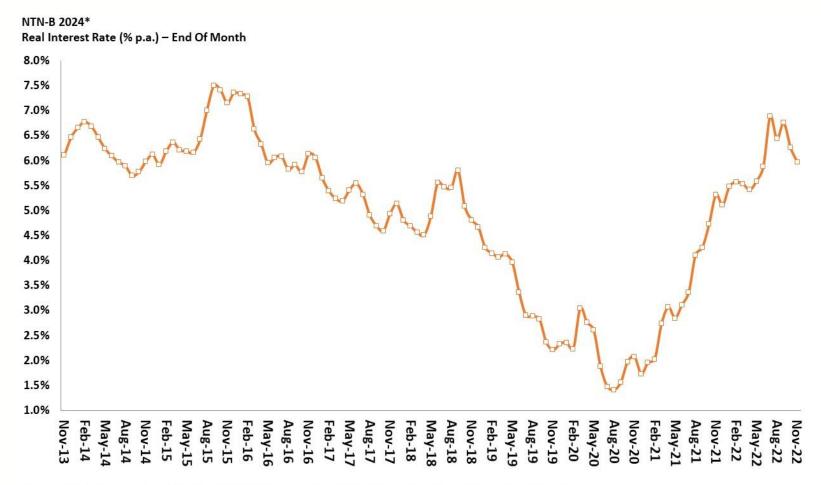




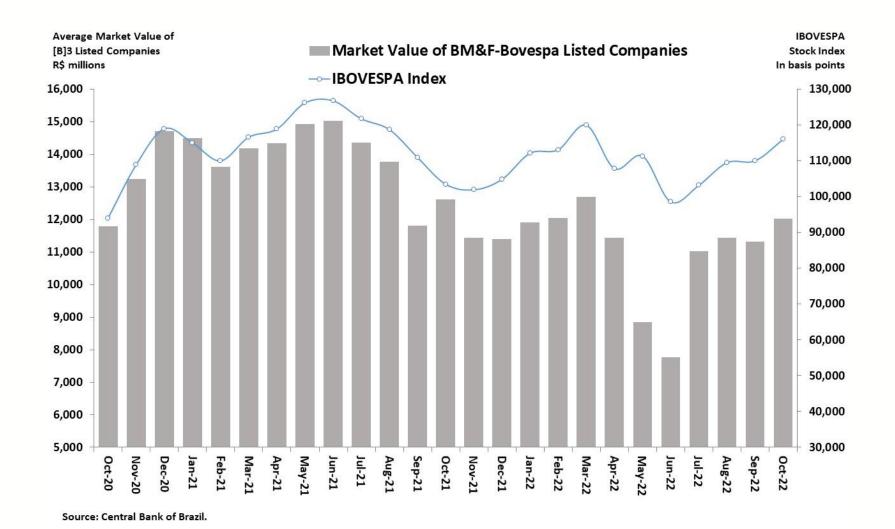
Source: Central Bank of Brazil. Data valid up to the date of the report.

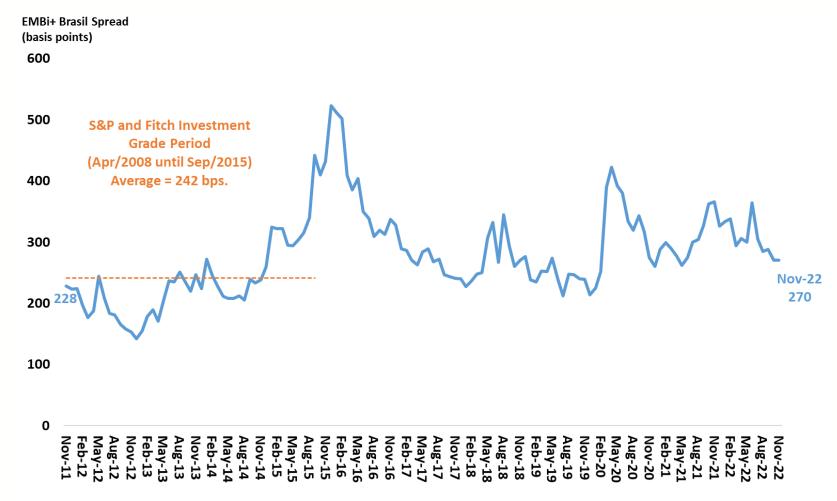
^{*} Ex-ante Real Interest Rate = Expected Interbank CDI/IPCA ratio, considering 360-days Swap DI-Pre rate and IPCA median of BCB-Focus Survey.

^{**} Ex-post Real Interest Rate = Observed 12-months accumulated CDI/IPCA ratio.

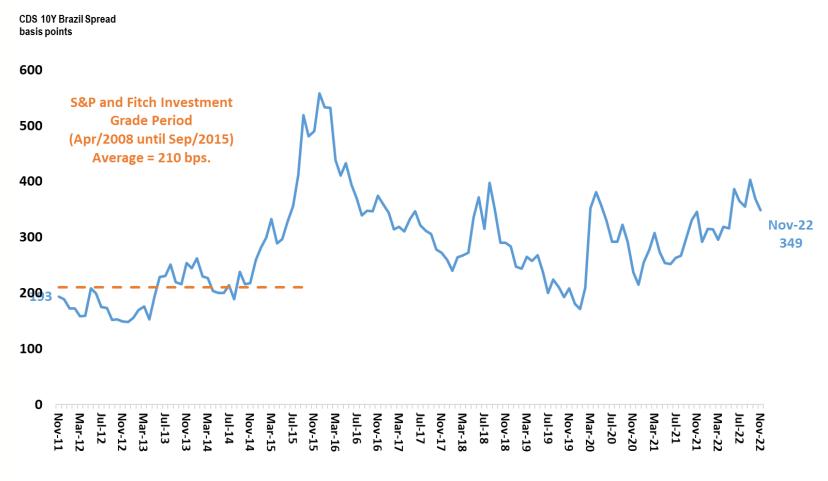


Source: STN. * Interest rate paid by the NTN-B 2024 besides the IPCA inflation rate. Data valid up to the date of the report.





Source: JPMorgan. Data valid up to the date of the report.



Source: Bloomberg. Data valid up to the date of the report.

Foreign Trade

Foreign Trade

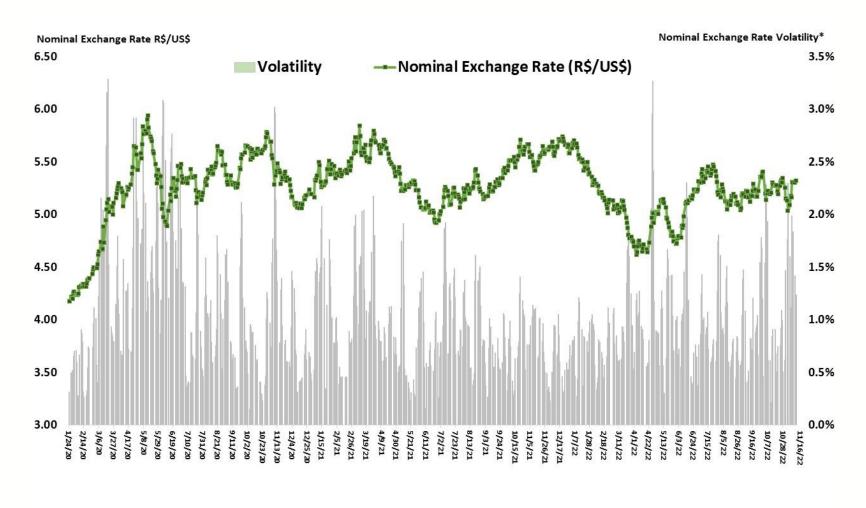
											BCB/Focus:	11/11/22	
Exchange Rate Indicators (BCB)	ctober-22			chg.%	chg.%	chg.%		Aug/22	Sep/22	Oct/22	Average FX	Average FX	Average FX
		2020	2021	Aug/22-	Sep/22-	Oct/22-	YTD 2022	accum. in	accum. in	accum. in	Rate 2021	Rate 2022	Rate 2023
FX % change rate: appreciation (-) or depreciation (+) of the Real				Aug/21	Sep/21	Oct/21		12-months	12-months	12-months			
Nominal Exchange Rate (R\$/US\$) - sale - end of period; month value:	.257	32.9%	3.1%	0.7%	-0.6%	-6.8%	-4.7%	-2.8%	-2.5%	-2.9%	5.20	5.20	5.15
Exchange Rate Indicators (BCB)	ctober-22			chg.%	chg.%	chg.%		Aug/22	Sep/22	Oct/22			
		2020	2021	Aug/22-	Sep/22-	Oct/22-	YTD 2022		accum. in	accum. in			
FX % change rate: appreciation (-) or depreciation (+) of the Real				Aug/21	Sep/21	Oct/21		12-months	12-months	12-months			
Real Effective Exchange Rate (IPCA)		27.9%	3.2%	-4.7%	-9.1%	-8.2%	-10.8%	-8.2%	-8.4%	-8.6%			
Exchange Rate / Wage Ratio adjusted by Labor Productivity		12.6%	-22.3%	7.6%	-7.3%	-5.8%	-7.0%	-12.3%	-10.0%	-8.3%			
Unitary Labor Cost in US\$		-20.2%	-0.8%	8.6%	16.7%	13.3%	19.2%	18.0%	18.1%	17.7%			
Foreign Trade of Goods (FUNCEX) Sept	ember-22			chg.%	chg.%	chg.%		Jul/22	Aug/22	Sep/22			
Toroign Trade of Goods (Fortorize)	CITIOCI ZZ	2020	2021	Jul/22-	Aug/22-	Sep/22-	YTD 2022		accum. in	accum. in			
Average Price and Quantum				Jul/21	Aug/21	Sep/21		12-months	12-months				
			Q	UANTUM									
Exports (X)		1.4%	3.6%	3.4%	6.7%	12.0%	3.1%	1.7%	1.6%	2.5%			
Basic Goods		5.8%	-0.3%	-0.9%	0.6%	12.2%	-1.2%	-2.2%	-2.8%	-1.6%			
Semi-Manufactured		10.0%	2.0%	7.7%	6.4%	17.2%	4.6%	1.7%	2.4%	3.6%			
Manufactured		-9.1%	12.8%	9.5%	19.4%	9.0%	11.0%	10.0%	10.3%	10.2%			
Imports (M)		-7.9%	22.1%	7.7%	16.7%	10.2%	2.9%	7.4%	6.1%	5.1%			
Intermediate Goods		-7.4%	26.6%	10.9%	18.7%	2.8%	2.0%	7.8%	6.7%	4.8%			
Capital Goods		-4.4%	1.8%	9.3%	34.0%	20.1%	6.8%	1.5%	2.0%	3.0%			
Durable Consumer Goods Semi and Non-Durable Consumer Goods		-30.1% -2.6%	44.6% 5.1%	-2.5% 0.9%	29.4%	11.7%	1.3% 3.2%	10.6% -2.0%	9.8%	7.8% -0.5%			
Fuel and Lubricants		-2.6% -15.7%	34.6%	-8.6%	28.7% -15.5%	13.4% 31.4%	-0.1%	-2.0% 16.2%	-0.8% 9.5%	-0.5% 9.3%			
		6.9%	34.0%	5.2%	-6.4%	-3.6%	-0.1%	-0.2%	-1.3%	9.3% -1.8%			
Exports Profitability Index													
Quantum Ratio = average quantum X / average quantum M		12.5%	-17.5%	-2.2%	-6.0%	1.7%	1.2%	-5.6%	-3.7%	-1.7%			
Evneste (V)		-6.7%	29.5%	PRICE 12.7%	5.3%	5.5%	15.2%	23.1%	19.8%	17.6%		Ī	
Exports (X) Basic Goods		-0.7% -4.8%	29.5% 38.0%	8.9%	1.0%	3.3%	13.2%	23.1%	19.8% 19.0%	17. 6 % 16.1%			
Semi-Manufactured		-4.8% -6.4%	27.8%	13.7%	4.5%	-0.5%	13.2%	23.4%	20.4%	17.3%			
Manufactured		-0.4%	14.4%	21.6%	16.6%	12.9%	20.8%	22.5%	22.0%	21.3%			
Imports (M)		-7.3%	13.2%	25.3%	16.7%	13.2%	27.6%	28.9%	28.4%	27.5%			
Intermediate Goods		-5.1%	15.1%	23.3%	11.9%	10.5%	25.1%	27.9%	27.0%	25.8%			
Capital Goods		-1.4%	-1.1%	1.6%	0.6%	0.4%	5.4%	5.4%	5.4%	4.9%			
Durable Consumer Goods		-6.8%	4.6%	6.1%	1.3%	6.3%	9.3%	10.3%	9.5%	9.6%			
Semi and Non-Durable Consumer Goods		-6.6%	0.8%	6.2%	0.3%	9.2%	10.0%	11.1%	10.6%	10.8%			
Fuel and Lubricants		-25.4%	39.1%	87.9%	87.9%	50.4%	93.6%	95.6%	96.3%	92.9%			
Terms of Trade = average price X / average price M		0.6%	14.7%	-10.0%	-9.8%	-6.8%	-9.8%	-4.1%	-6.4%	-7.6%			

	Macroeconomic Parameters										
		Impor	ts of Goods		Fuels						
Year	Brent Oil		Imports of Goods	Gasoline		Diesel					
Teal	Average price	Chg. %	USD million	Chg. %		Annual a	verage sales				
	USD	Crig. 78	וווווווווווווווווווווווווווווווווווווו	Crig. 76	Million cubic meters	Chg. %	Million cubic meters	Chg. %			
2016	44.05	-15.89	125182.54	-16.40	2.62	4.09	4.52	-5.13			
2017	54.39	23.49	139730.39	11.62	2.69	2.63	4.56	0.91			
2018	71.07	30.66	161647.66	15.69	2.33	-13.13	4.64	1.56			
2019	64.03	-9.91	163757.67	1.31	2.32	-0.49	4.77	3.00			
2020	42.30	-33.94	144852.28	-11.54	2.18	-6.13	4.79	0.30			
2021	70.44	66.53	193314.84	33.46	2.39	9.75	5.18	8.07			
2022	101.77	44.48	233349.07	20.71	2.54	6.16	5.32	2.74			
2023	89.30	-12.26	258598.00	10.82	2.62	3.36	5.48	3.02			
2024	81.58	-8.64	283676.65	9.70	2.74	4.45	5.67	3.40			
2025	77.00	-5.62	309154.09	8.98	2.86	4.38	5.85	3.21			
2026	73.85	-4.08	334648.70	8.25	2.98	4.10	6.02	2.97			

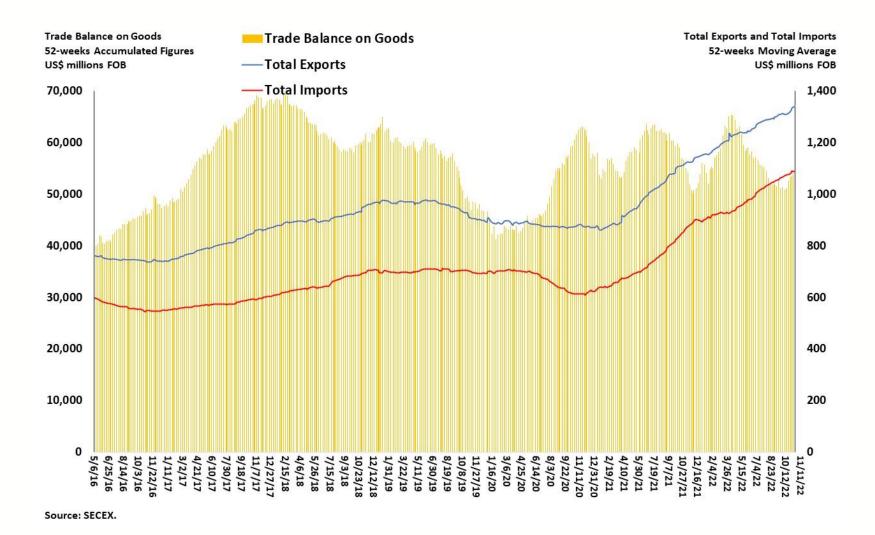
Source: SPE/ME. Macroeconomic Parameters, November-2022.

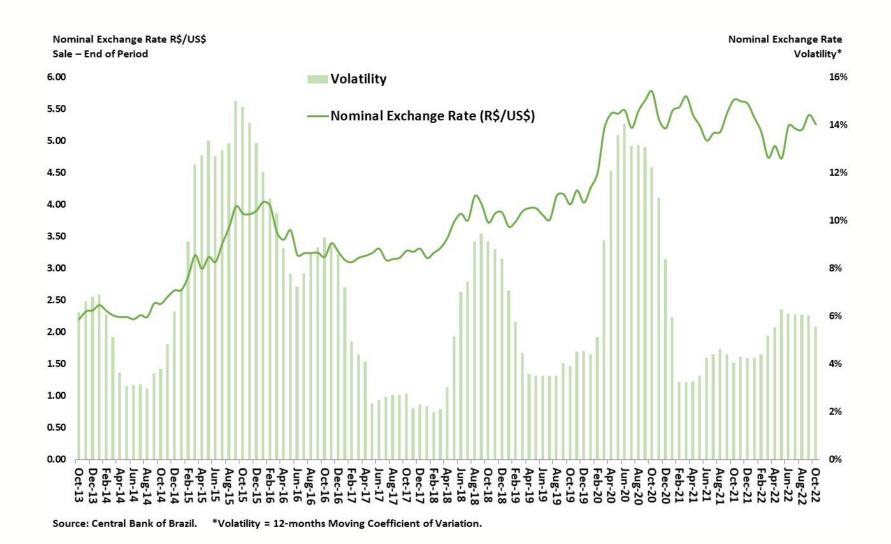
Macroeconomic Parameters										
	External Sector									
Year	Exchange Rate									
real	Annual Average	December	- Average chg. %	Annual chg. %						
	Exchange Rate BRL	/USD	Average city. %	Annual City. 76						
2016	3.5	3.3	4.8	-13.4						
2017	3.2	3.3	-8.5	-1.8						
2018	3.7	3.9	14.5	18.0						
2019	3.95	4.03	7.95	5.78						
2020	5.16	5.20	30.69	25.21						
2021	5.40	5.58	4.64	9.83						
2022	5.16	5.20	-4.40	-7.99						
2023	5.19	5.20	0.68	-0.05						
2024	5.13	5.10	-1.18	-2.12						
2025	5.14	5.18	0.17	1.75						
2026	5.19	5.20	0.97	0.43						

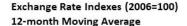
Source: SPE/ME. Macroeconomic Parameters, November-2022.

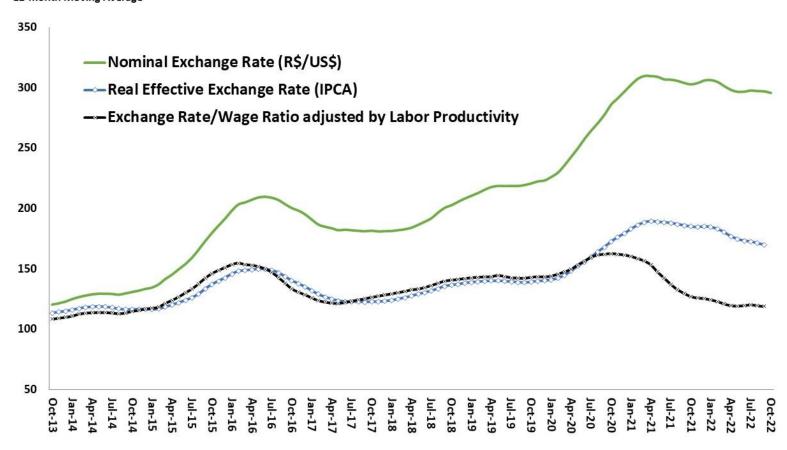


Source: Central Bank of Brazil. *Volatility = 5-days Moving Coefficient of Variation.

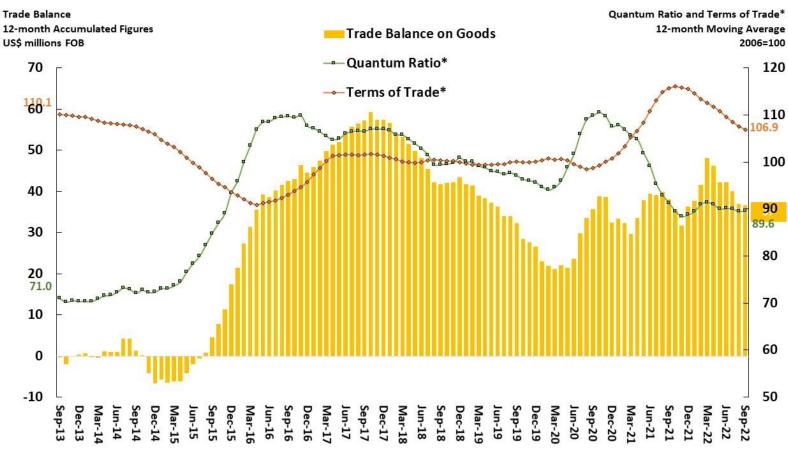








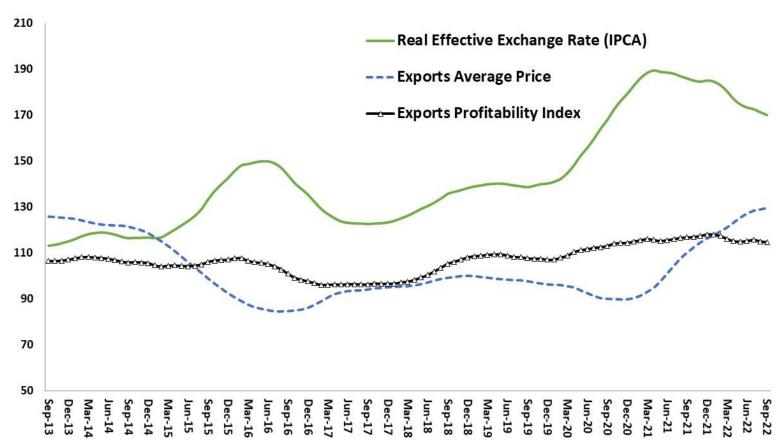
Source: Central Bank of Brazil.



Sources: Central Bank of Brazil, SECEX and FUNCEX.

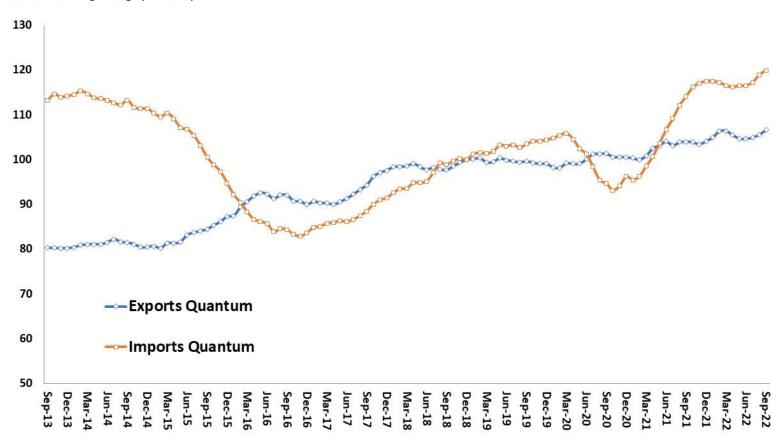
^{*} Quantum Ratio = (average quantum Exports / average quantum Imports)
Terms of Trade = (average price Exports / average price Imports)

Real Effective Exchange Rate (IPCA), Exports Average Price and Exports Profitability Index 12-month Moving Average (2006=100)

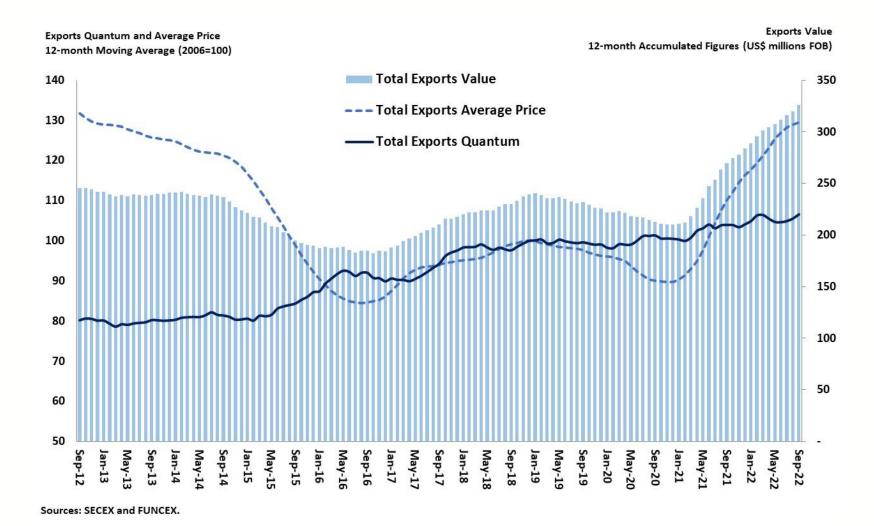


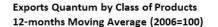
Sources: Central Bank of Brazil and FUNCEX.

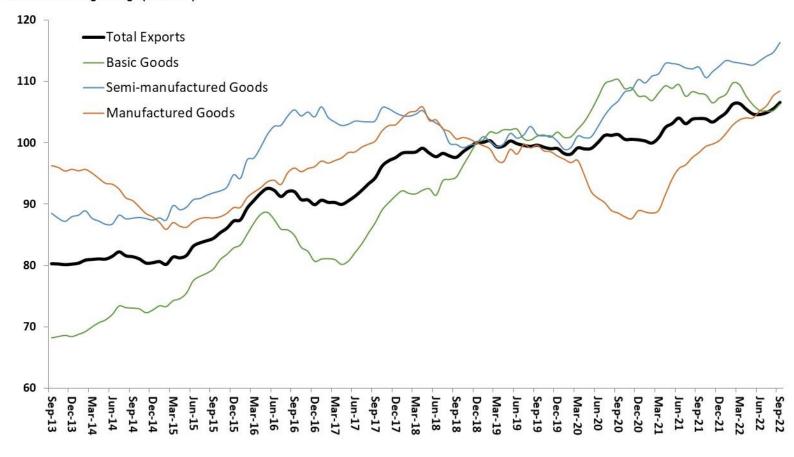




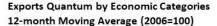
Source: FUNCEX.

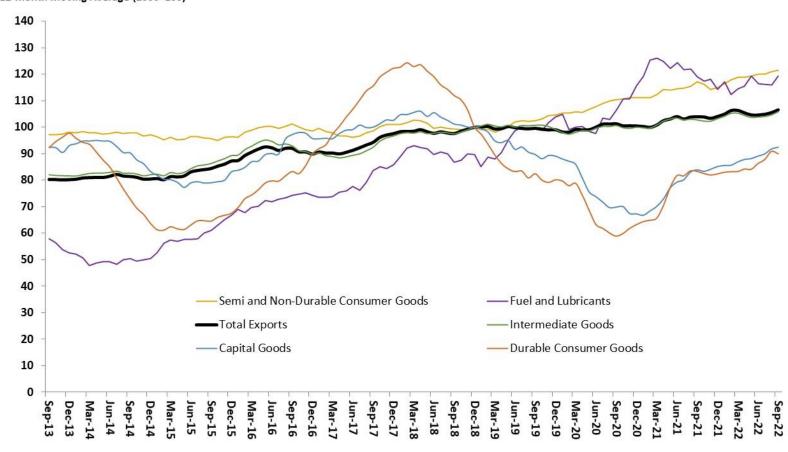




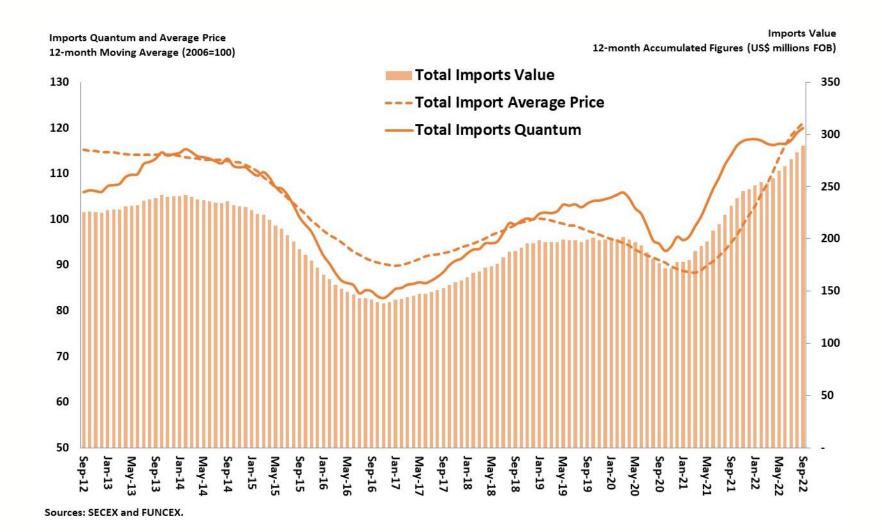


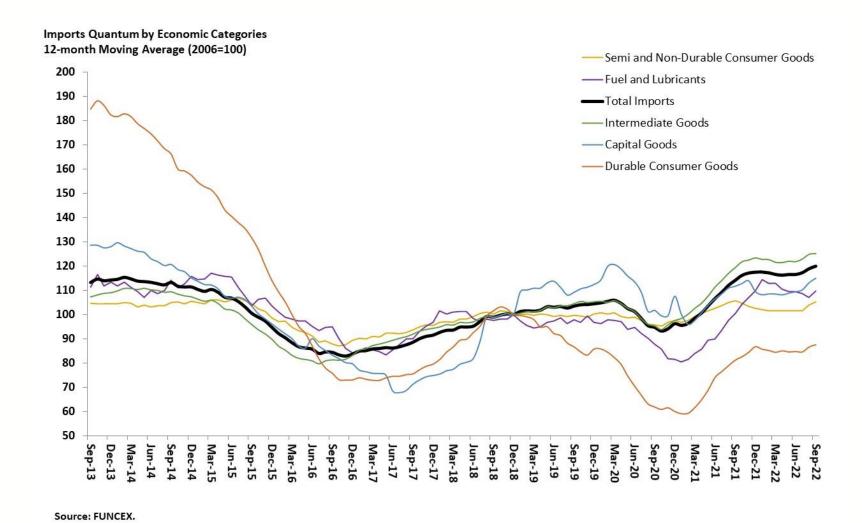
Source: FUNCEX.

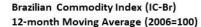


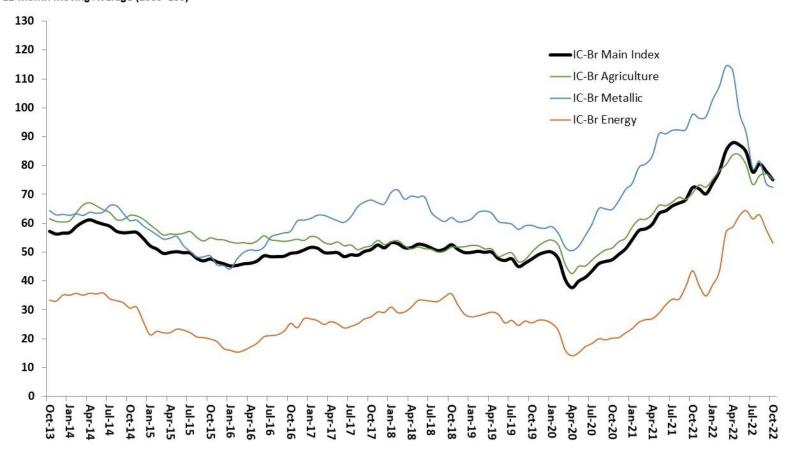


Source: FUNCEX.

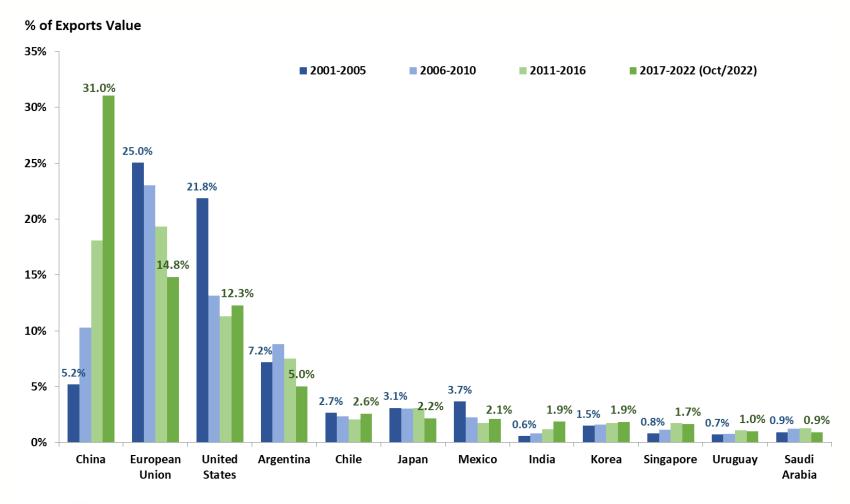








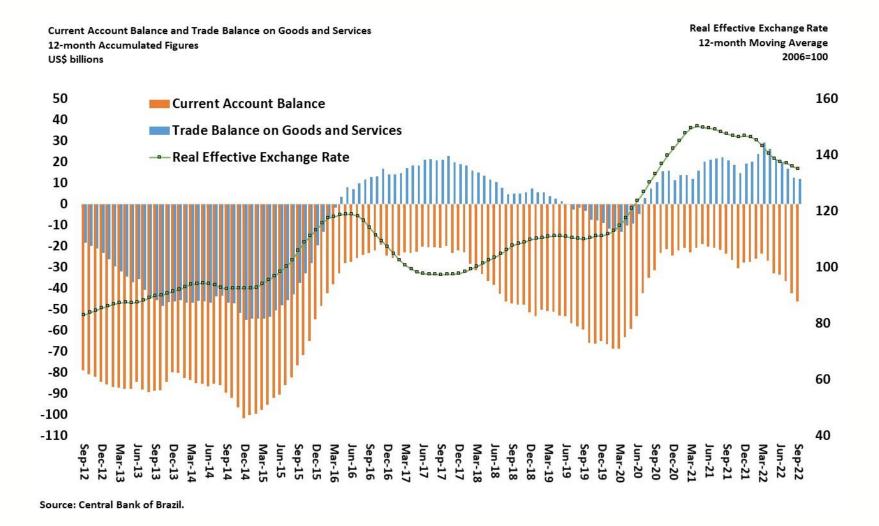
Source: Central Bank of Brazil.

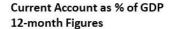


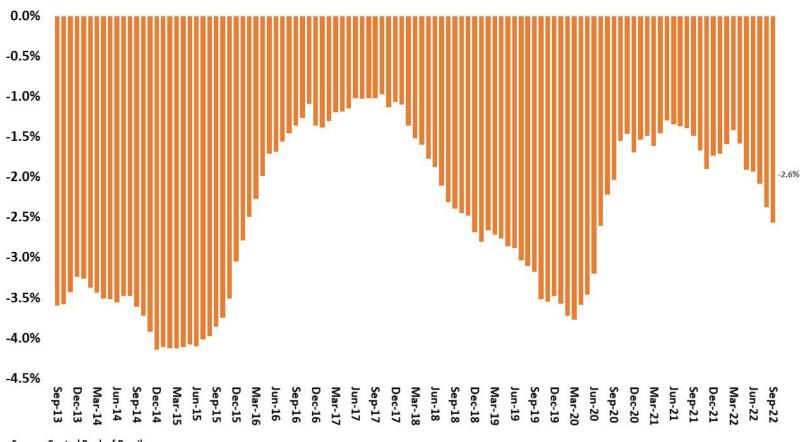
Source: SECEX.

External Sector

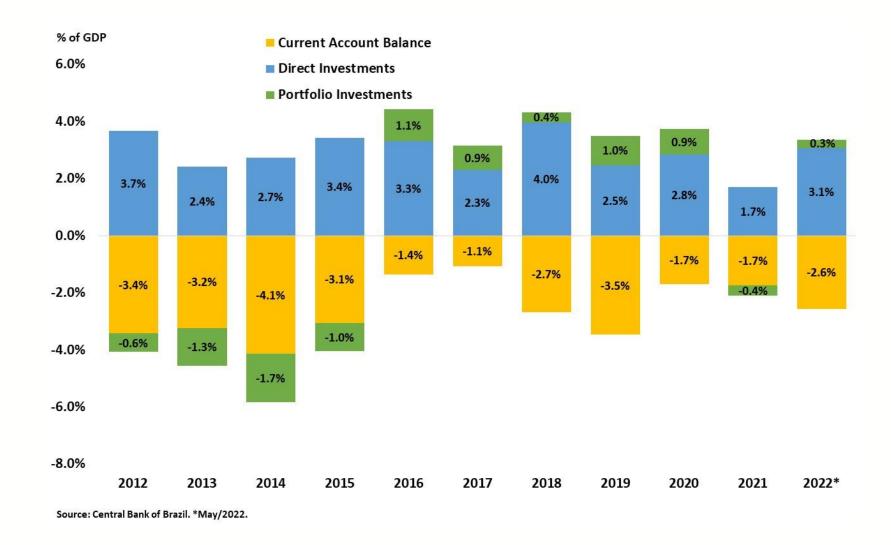
										BCB/Focus:	11/11/22	
Balance of Payments (BCB) September-22 In US\$ millions	2020	2021	set/yy accum. in 12-months	chg.% 2021 / 2020	chg.% set/yy accum. 12-m / 2021	chg.% ago/yy - ago/yy	chg.% set/yy - set/yy		chg.% - Jan- set/yy - Jan- set/yy		2023	2024
Balance of Payments	7,878	-6,006	-5,813	-176.2%	-3.2%	15.4%	100.2%	-210.1%	-3.7%			
Current Account Balance (CAB)	-24,492	-27,925	-46,153	14.0%	65.3%	-1806.7%	195.5%	-8.6%	160.5%	-41.0	-38.9	-43.1
CAB as % of GDP Balance on Goods Exports Imports Balance on Services Primary Income	-1.7% 32,369 210,707 178,337 -20,941 -38,264	-1.7% 36,363 284,012 247,648 -17,112 -50,471	-2.6% 36,650 325,974 289,325 -24,808 -61,778	0.0 pp 12.3% 34.8% 38.9% -18.3% 31.9%	-0.8 pp 0.8% 14.8% 16.8% 45.0% 22.4%	-1.0 pp -56.4% 13.4% 31.7% 65.8% 41.0%	-1.1 pp -7.7% 24.5% 28.2% 39.6% 92.7%	0.0 pp 19.5% 37.6% 41.7% -22.9% 32.2%	0.0 pp 0.8% 19.4% 23.0% 63.3% 31.2%	335.0 280.0 55.0	327.9 270.6 56.0	334.0 286.0 50.1
Secondary Income Capital Account	2,344 4,141	3,294 226	3,783 258	40.54% -94.6%	14.8% 14.3%	58.3% 64.7%	43.7% 19.6%	35.4% -45.3%	19.5% 18.9%			
Financial Account	-12,472	-33,706	-51,708	170.2%	53.4%	21806.0%	160.6%	120.8%	110.0%			
	·	,	,									
Direct Investments Foreign Direct Investments (FDI) Portfolio Investments Stock Market Bonds Others Investments and Capital Flows	-41,254 37,786 12,882 7,701 -3,822 15,899	-27,284 46,441 -5,694 -901 -15,114 -728	-55,153 73,811 5,362 -702 13,257 -1,916	-33.9% 22.9% -144.2% -111.7% 295.5% -104.6%	102.1% 58.9% -194.2% -22.1% -187.7% 163.2%	22.4% 69.3% -32.7% 70.3% -6.2% -93.6%	259.5% 99.7% 783.4% 140.7% -77.1% 93.2%	-40.5% 38.7% -106.1% -106.9% -289.2% -1348.3%	117.7% 63.2% -100.0% -14.8% -222.0% -12.7%	80.0	75.0	80.0
International Reserves - liquidity concept	355,416	358,398	327,580	0.8%	-8.6%	-11.2%	-11.5%					
Gross External Debt (BCB) September-22 In US\$ millions	2020	2021	Sep-22	2020 % of total	set/yy % of total	chg. pp	2020 % of GDP	set/yy % of GDP	chg. pp			
Total External Debt	619,416	670,286	660,100	100.0%	100.0%	-	37.1%	37.5%	0.4 pp			
Gross External Debt	307,056	325,440	319,524	49.6%	48.4%	-1.2 pp	18.4%	18.2%	-0.2 pp			
Public Sector	82,349	98,455	90,551	26.8%	28.3%	1.5 pp	4.9%	5.1%	0.2 pp			
Private Sector and Public Financial Sector	224,707	226,985	228,973	73.2%	71.7%	-1.5 pp	13.5%	13.0%	-0.5 pp			
Short Term	71,517	78,753	74,687	23.3%	23.4%	0.1 pp	4.3%	4.2%	0.0 pp			
Medium and Long Term	235,539	246,687	244,837	76.7%	76.6%	-0.1 pp	14.1%	13.9%	-0.2 pp			
Intercompany Loans	245,953	242,107	249,462	39.7%	37.8%	-1.9 pp	14.7%	14.2%	-0.6 pp			
Domestic Bonds with Foreign Investors	66,407	102,739	91,114	10.7%	13.8%	3.1 pp	4.0%	5.2%	1.2 pp			

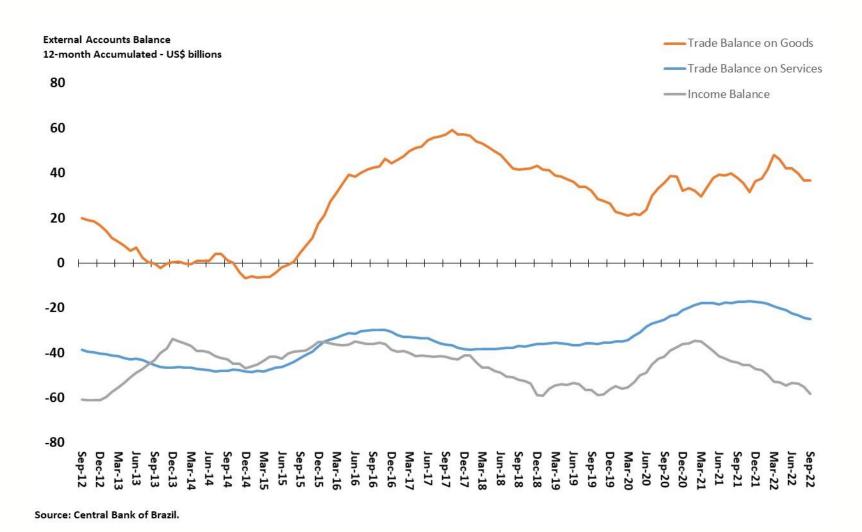


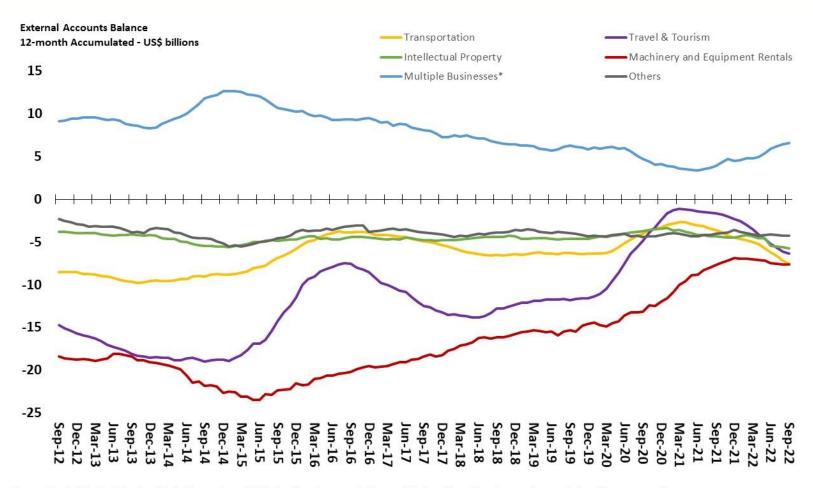




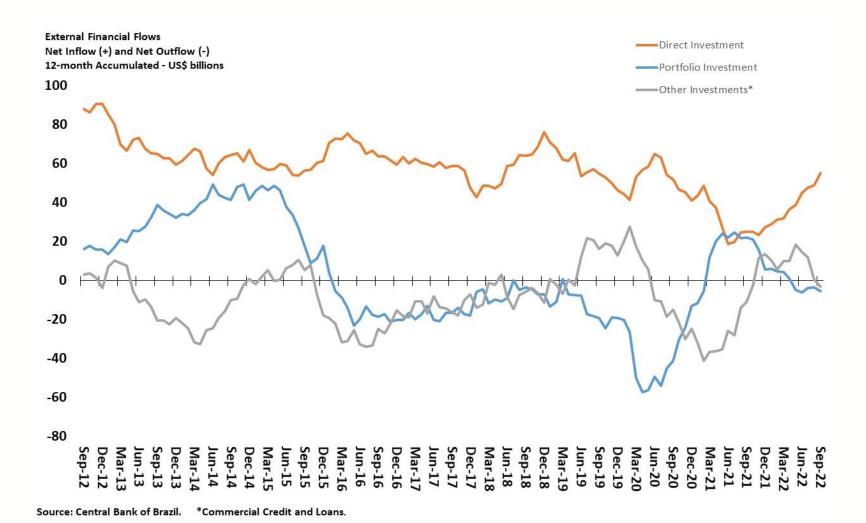
Source: Central Bank of Brazil.

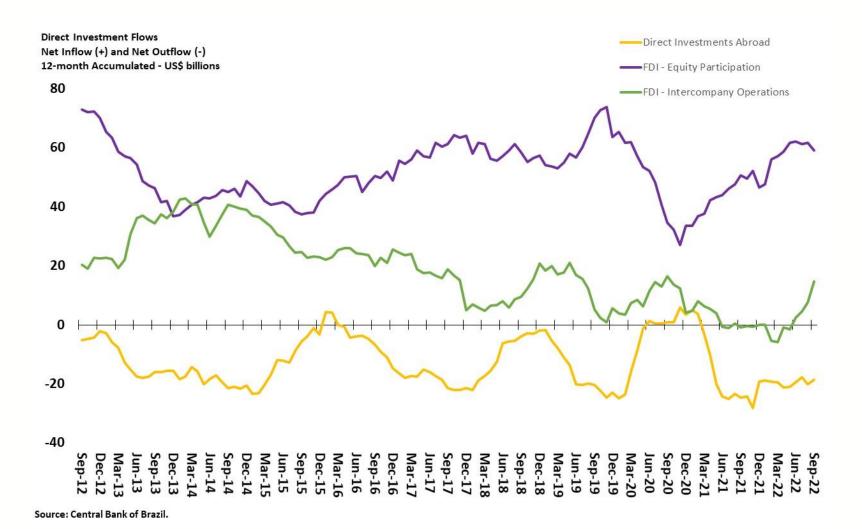


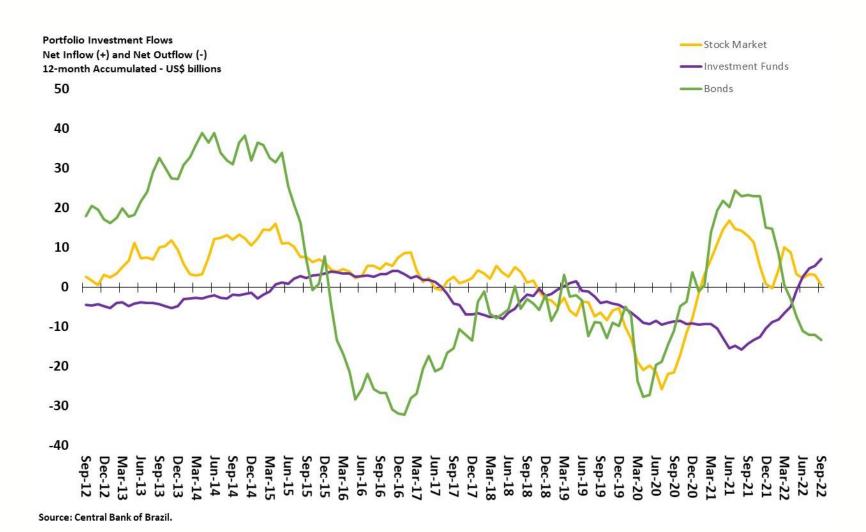


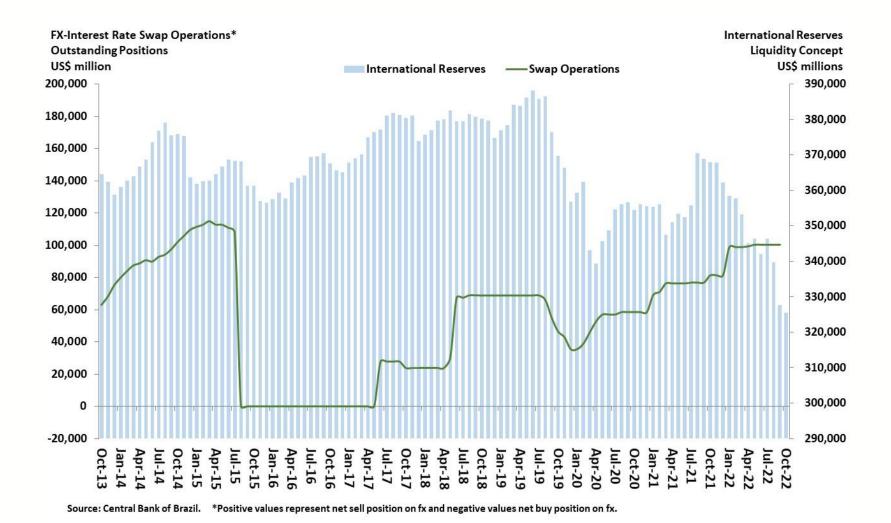


Source: Central Bank of Brazil. *Includes services of P&D, legal services, marketing, architecture & engineering, environmental services, among others.





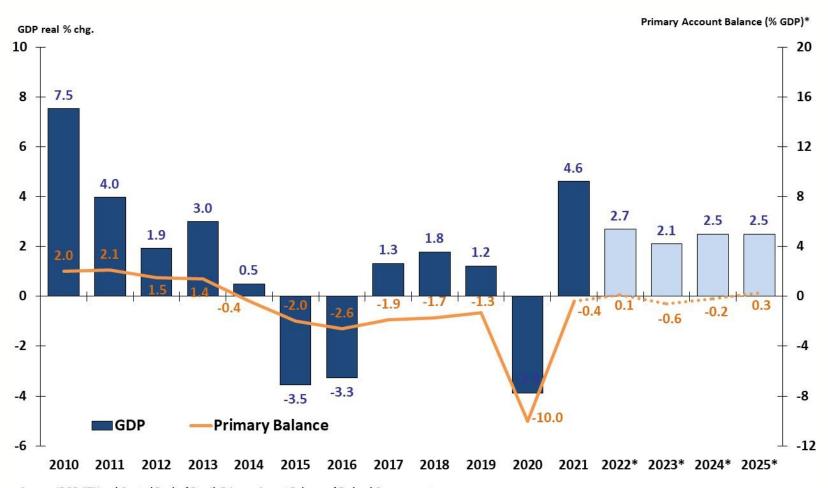




MINISTRY OF ECONOMY

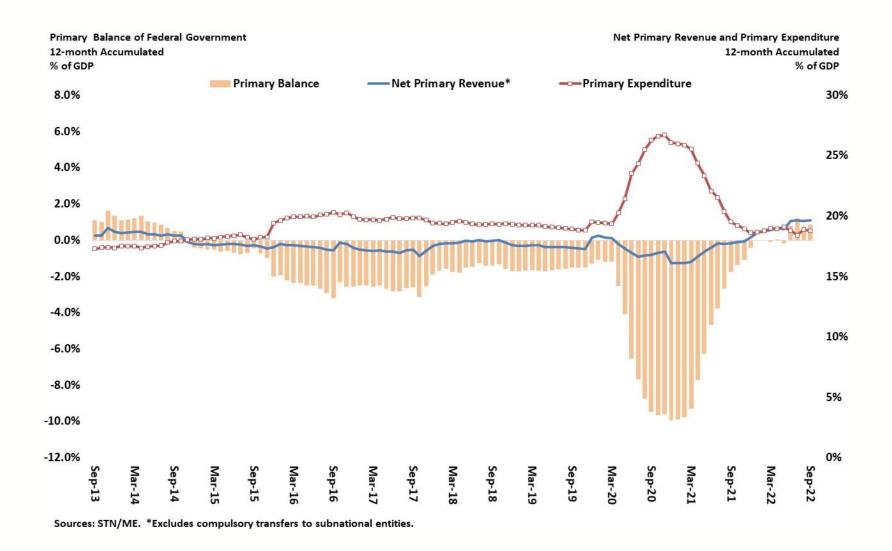
Public Sector Accounts

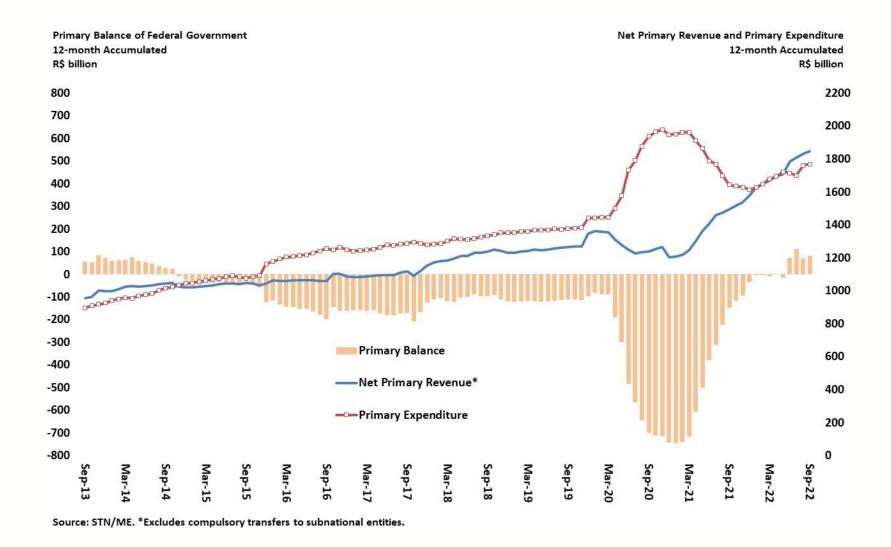
											BCB/Focus:	11/11/22	
Federal Government Accounts	September-22		12-month	Acummulated	Figures (in R\$	millions)			chg. %				
Federal Budget (National Treasury/Ministry of Finance)		2017	2018	2019	2020	2021	set/yy accum. in 12-months	2021 / 2020	Dec/17 accum. 12- m / 2016	YTD 2018 / YTD 2017	2022	2023	2024
Total Primary Revenue (a)		1,383,653	1,488,999	1,635,608	1,468,096	1,932,650	2,286,439	31.6%	18.3%	25.3%			
National Treasury		1,008,868	1,097,817	1,222,277	1,063,324	1,470,406	1,346,224	38.3%	-8.4%	29.3%			
Social Security General System		374,785	391,182	413,331	404,773	462,244	378,009	14.2%	-18.2%	15.4%			
States and Municipalities Mandatory Transfers (b)		228,335	256,724	288,331	263,798	353,547	336,461	34.0%	-4.8%	33.3%			
Net Primary Revenue (a-b) Total Primary Expenditure		1,155,318 1,279,579	1,232,276 1,352,497	1,347,277 1,442,342	1,204,298 1,947,553	1,579,103 1,614,171	1,387,771 1,353,996	31.1% -17.1%	-12.1% -16.1%	24.2% 8.9%			
National Treasury		722.344	766.118	815,831	1,283,649	904,588	743,271	-17.1%	-17.8%	7.3%			
Social Security General System		557,235	586,379	626,510	663,904	709,583	610,726	6.9%	-13.9%	10.9%			
Federal Government Accounts	September-22	·	12-month	Acummulated	Figures (in R\$	millions)			% of GDP				
Federal Budget (National Treasury/Ministry of Finance)		2017	2018	2019	2020	2021	set/yy accum. in 12-months	2020	2021	set/yy accum. in 12-months			
Primary Account Balance of Federal Government (STN/MF)		-124,261	-120,221	-95,065	-743,255	-35,068	33,775	-10.0%	-0.4%	0.4%			
National Treasury		58,189	74,976	118,114	-484,123	212,270	266,492	-6.5%	2.4%	2.8%			
Social Security General System		-182,450	-195,197	-213,179	-259,132	-247,338	-232,717	-3.5%	-2.8%	-2.5%			
Consolidate Public Sector Accounts	September-22		12-month	Acummulated	Figures (in R\$	millions)			% of GDP				
Public Sector Financial Need (Central Bank of Brazil - BCB)		2017	2018	2019	2020	2021	set/yy accum. in 12-months	2020	2021	set/yy accum. in 12-months	2022	2023	2024
Primary Account Balance Target in Law - LDO (% GDP)											0.1%	-0.6%	-0.2%
Primary Account Balance		-110,583	-108,258	-61,872	-702,950	64,727	130,802	-9.4%	0.7%	1.4%	1.1%	-0.6%	0.0%
Federal Government		-118,442	-116,167	-88,899	-745,266	3,913	35,068	-10.0%	-0.4%	0.4%			
States and Municipalities		7,498	3,492	15,196	38,748	97,694	91,104	0.5%	1.1%	1.0%			
State Owned Companies (except Petrobrás and Eletrobrás)		362	4,417	11,831	3,567	2,906	4,630	0.0%	0.0%	0.0%			
Net Financial Public Expenditure (Debt Interest Payments) Nominal Account Balance		-400,826 -511,408	-379,184 -487,442	-367,282 -429,154	-312,427 -1,015,377	-448,391 -383,664	-435,569 -304,767	-4.2% -13.6%	-5.2% -4.4%	-4.6% -3.2%	-6.0%	-7.8%	-6.0%
		-511,406	,	,			-304,767	-13.0%		=3.276	-6.0%	-7.0%	-0.076
General Public Sector Debt (BCB)	September-22	Debt Outstanding (in R\$ millions)							chg. %				
End of Period Debt Outstanding (in R\$ millions)		Dec-17	Dec-18	Dec-19	Dec-20	Dec-21	Sep-22	dez/yy - dez/yy	dez/yy - dez/yy	set/yy - dez/yy	2022	2023	2024
Consolidated Public Sector		3,382,942	3,695,837	4,041,769	4,670,004	4,966,921	5,487,491	15.54%	6.36%	10.48%			
Federal Government		2,534,119	2,763,702	3,078,019	3,651,460	4,029,713	4,604,298	18.6%	10.4%	14.3%			
States and Municipalities		789,403	871,134	907,931	954,485	880,490	827,785	5.1%	-7.8%	-6.0%			
State Owned Companies (except Petrobrás and Eletrobrás) Net Domestic Debt		59,420 4,001,077	61,001 1,215,974	55,819 4,750,944	64,060 5,654,808	56,718 5,898,308	55,408 6,263,342	14.8% 19.0%	-11.5% 4.3%	-2.3% 6.2%			
Net External Debt		-618,135	-748.749	-709,175	-984.804	-931,387	-775,850	38.9%	4.3% -5.4%	-16.7%			
General Public Sector Net Debt (% GDP)		51.4%	52.8%	54.7%	62.5%	57.2%	58.3%	7.8 pp	-5.3 pp	1.1 pp	58.0%	61.4%	64.0%
General Public Sector Gross Debt (% GDP)		73.7%	75.3%	74.4%	88.6%	80.3%	77.1%	14.2 pp	-8.3 pp	-3.1 pp	77.5%	81.0%	82.4%
General Public Sector Gross Debt (in R\$ millions)		5,449,151	5,937,904	6,437,299	7,305,734	8,014,883	8,146,393	13.49%	9.71%	1.64%			
· · · · · · · · · · · · · · · · · · ·			•		•	•							

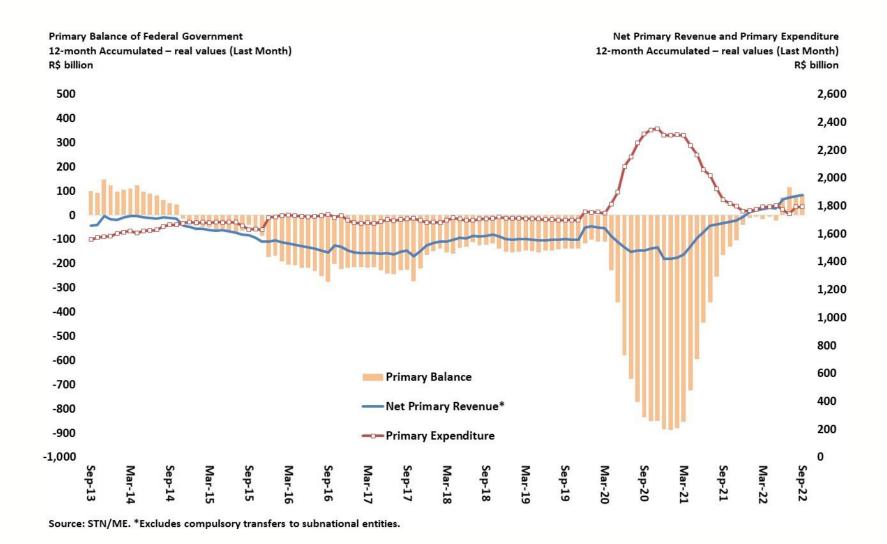


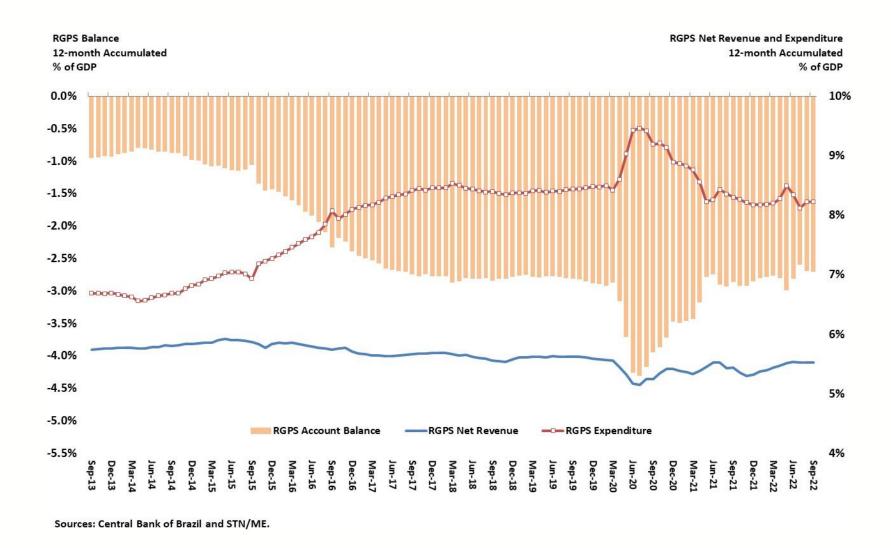
Source: IBGE, STN and Central Bank of Brazil. Primary Accout Balance of Federal Government.

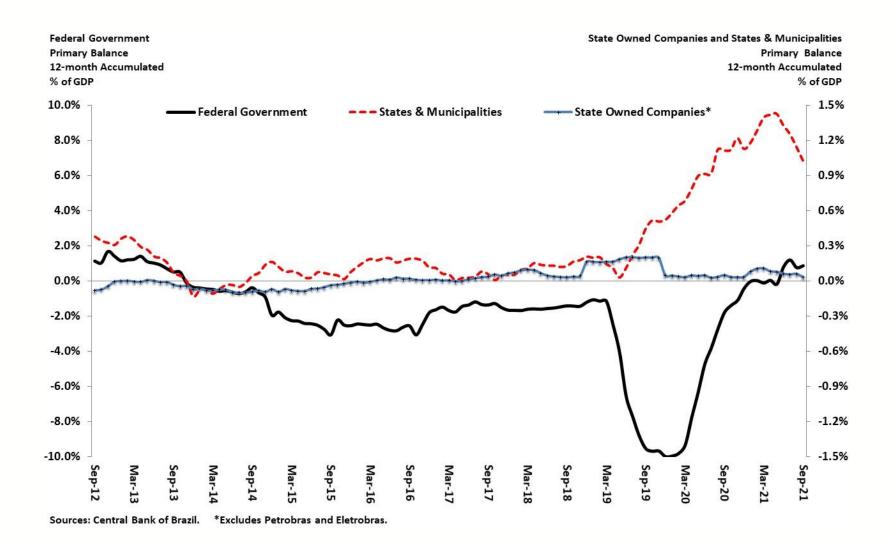
^{*} Annex-Fiscal Targets of Budgetary Guidelines Bill - PLDO 2023; and Macroeconomic Projections from SPE, novembro/yyyy.

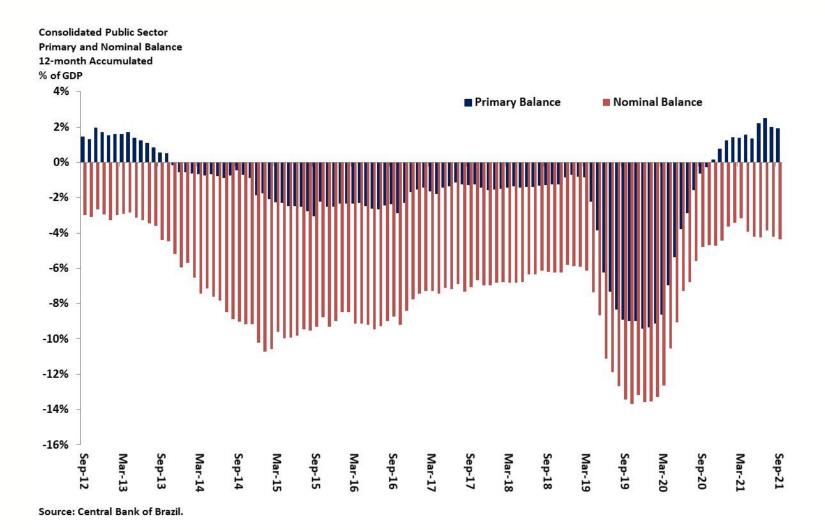


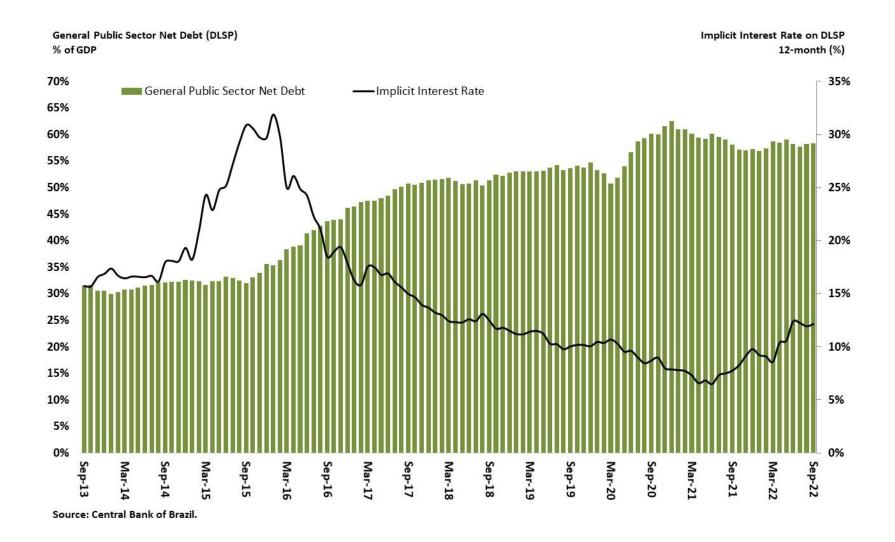


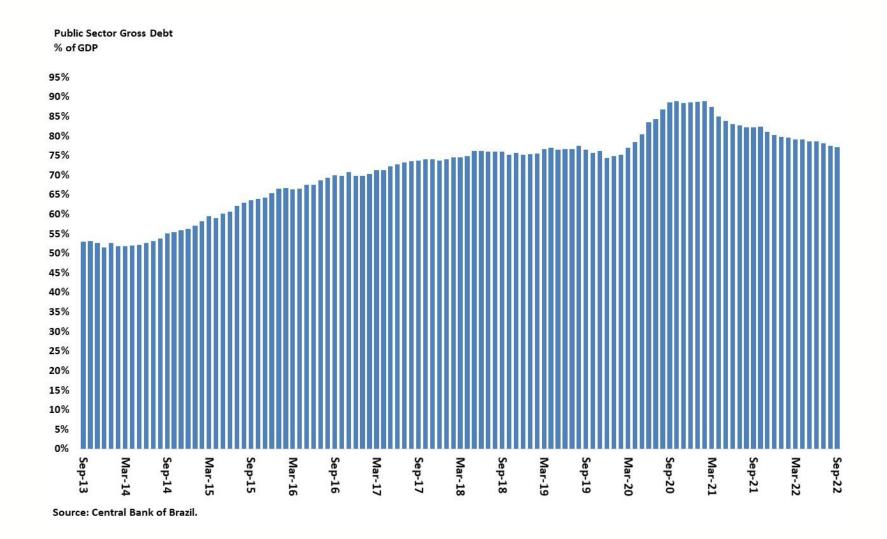








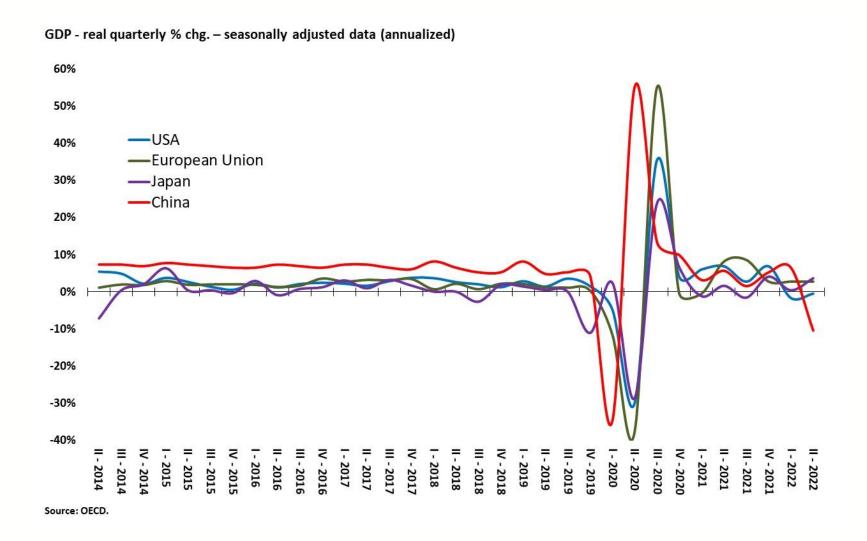




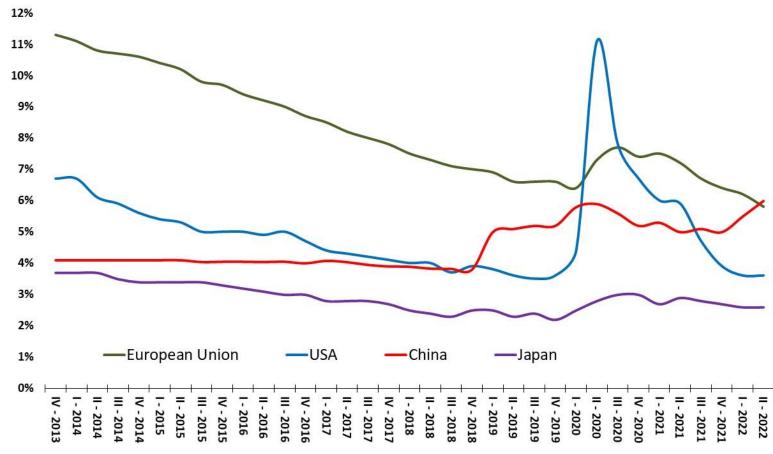
World Economy

World Economy

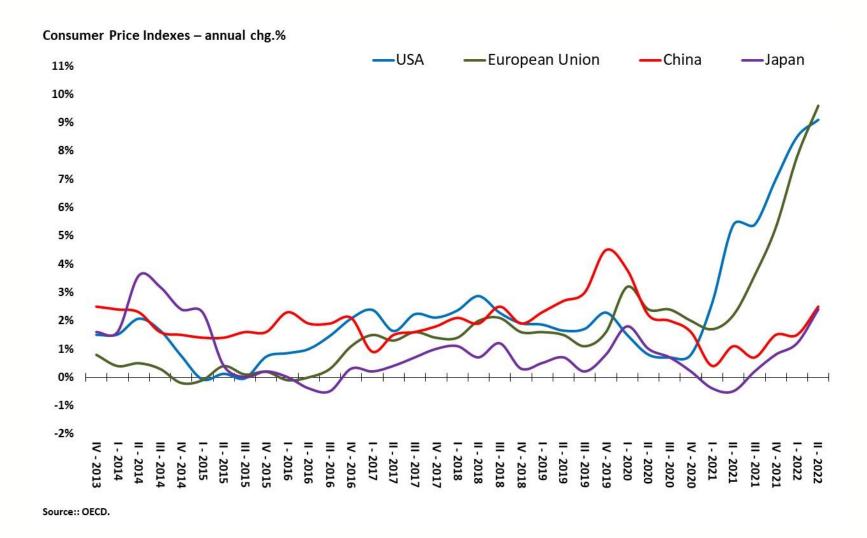
											IMF - WEO	Oct. 2022.	
World Quality from IMF and WTO	4 2020	2017	2018	2019	2020	2021	Q4-2016 / Q4-2015	Q4-2017 / Q4-2016	Q4-2018 / Q4-2017	Q4-2019 / Q4-2018	Q4-2020 / Q4-2019	2022	2023
World Output - GDP		3.8%	3.6%	2.8%	-3.0%	6.0%	2.8%	3.6%	2.7%	-1.4%	4.4%	3.2%	2.7%
Advanced Economies		2.5%	2.3%	1.7%	-4.4%	5.2%	2.3%	2.0%	1.5%	-3.9%	4.7%	2.4%	1.1%
Emerging Market and Developing Economies		4.8%	4.6%	3.6%	-1.9%	6.6%	4.8%	4.6%	3.7%	0.9%	4.2%	3.7%	3.7%
Latin America and the Caribbean		1.4%	1.2%	0.2%	-7.0%	6.9%	1.3%	1.1%	0.0%	-4.8%	3.9%	3.5%	1.7%
World Trade of Goods and Services		5.6%	4.0%	0.9%	-7.8%	10.1%						4.3%	2.5%
National Accounts Q data from IMF, OECD, Eurostat, NBSC and METI	3 2022	2017	2018	2019	2020	2021	Q2-2022 / Q2 2021	· Q3-2022 / Q3- 2021	Q1-2022 accum. in 4- quarters	Q2-2022 accum. in 4- quarters	Q3-2022 accum. in 4- quarters	2022	2023
USA - GDP		2.2%	2.9%	2.3%	-2.8%	5.9%	1.8%	1.8%	6.5%	4.1%	3.3%	1.6%	1.0%
Household Expenditure		2.4%	2.9%	2.2%	-3.8%	7.9%	2.4%	2.0%	8.7%	5.5%	4.1%		
Government Expenditure		0.5%	1.4%	2.2%	2.5%	0.5%	-1.3%	-0.6%	-0.3%	-0.4%	-0.8%		
Gross Fixed Capital Formation		4.1%	4.8%	3.2%	-2.7%	7.7%	7.2%	2.3%	12.3%	8.3%	7.4%		
Exports of Goods and Services		4.1%	2.8%	-0.1%	-13.6%	4.6%	7.3%	11.3%	8.2%	6.4%	7.6%		
Imports of Goods and Services (-)		4.4%	4.1%	1.2%	-8.9%	14.0%	11.2%	7.5%	16.2%	11.8%	10.4%		
Industrial Production		1.3%	3.2%	-0.8%	-7.2%	5.5%							
Unemployment (% of Labor Force)		4.4%	3.9%	3.7%	8.1%	5.4%							
Consumer Price Index		2.1%	2.4%	1.8%	1.2%	4.7%						6.4%	2.3%
European Union - GDP		3.0%	2.2%	2.0%	-5.6%	5.4%	4.3%	2.4%	7.1%	4.8%	4.3%	3.2%	0.7%
Household Expenditure		1.8%	1.5%										
Government Expenditure		1.1%	1.1%										
Gross Fixed Capital Formation		3.1%	3.3%										
Exports of Goods and Services		5.3%	3.0%										
Imports of Goods and Services (-)		4.3%	3.3%										
Industrial Production		3.5%	1.6%	-3.3%	-8.0%	9.4%							
Unemployment (% of Labor Force)		9.1%	8.2%	7.6%	7.2%	6.6%							
Consumer Price Index		1.6%	1.8%	1.4%	0.7%	2.9%						10.0%	5.0%
Japan - GDP		1.7%	0.6%	-0.4%	-4.6%	1.7%	1.4%		2.5%	1.0%		1.7%	1.6%
Industrial Production		2.8%	1.1%	-2.8%	-9.8%	6.4%							
Unemployment (% of Labor Force)		2.8%	2.4%	2.4%	2.7%	2.8%							
Consumer Price Index		0.5%	1.0%	0.5%	0.0%	-0.2%						2.4%	1.2%
China - GDP		6.9%	6.8%	6.0%	2.2%	8.1%	0.4%	3.9%	5.4%	3.5%	3.3%	3.2%	4.4%
Industrial Production		6.1%	6.1%	6.2%	2.1%	9.6%							
Unemployment (% of Labor Force)		3.9%	3.8%	3.6%	5.6%	5.1%							
Consumer Price Index		1.6%	2.1%	2.9%	2.4%	0.9%						2.7%	1.8%

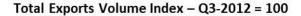


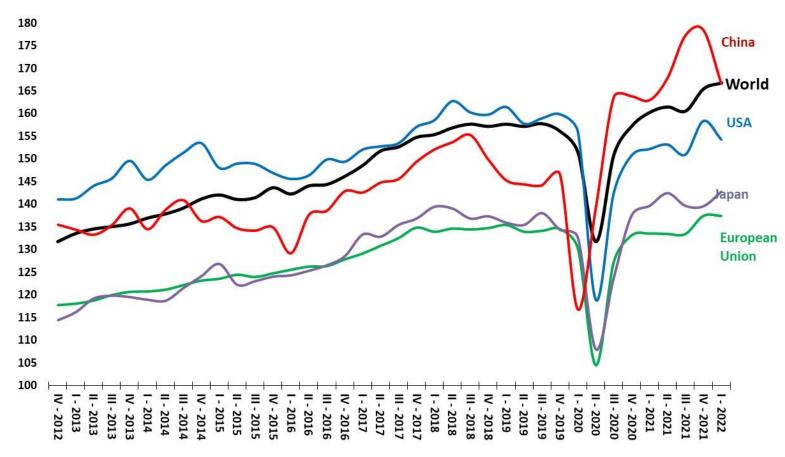




Source: OECD.

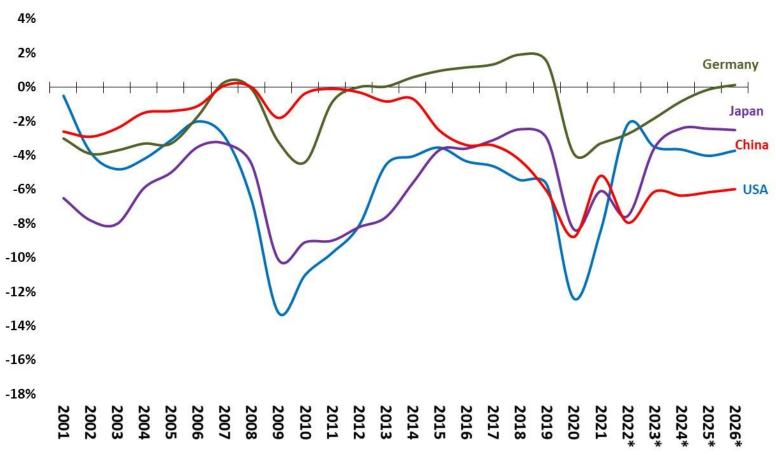




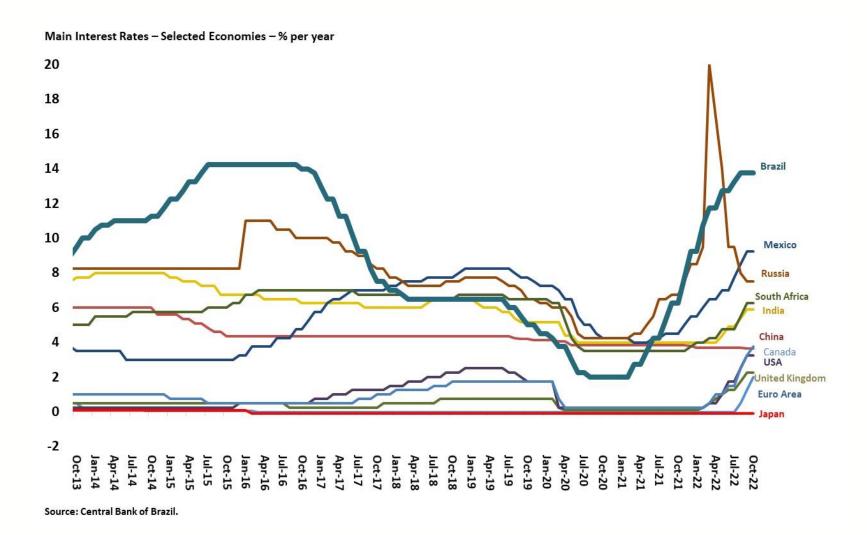


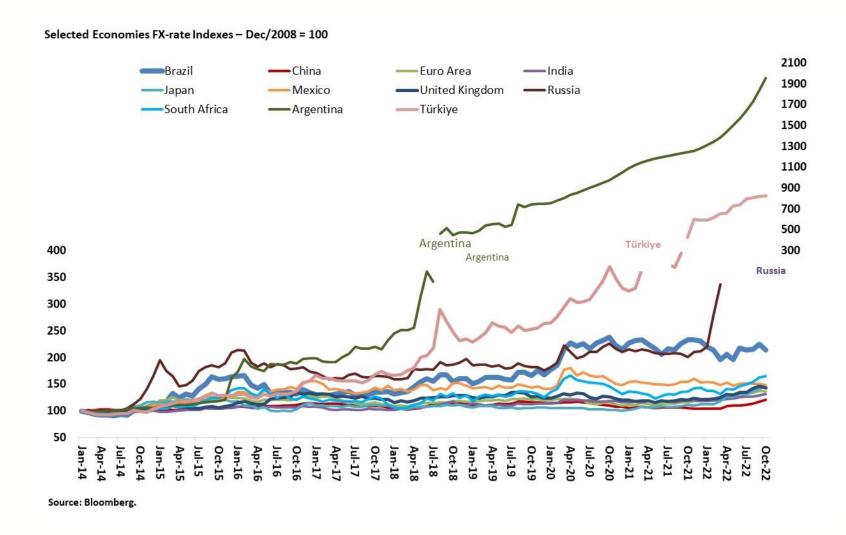
Source: WTO.



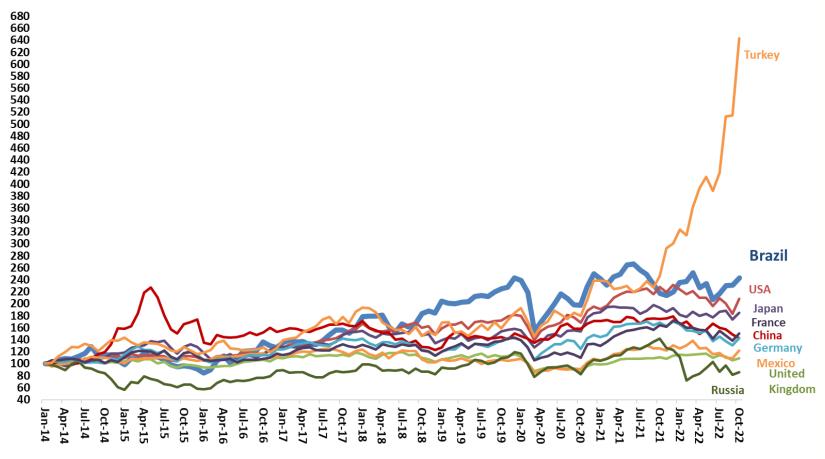


Source: IMF. * Estimated values - WEO Apr-21.









Source: Bloomberg.

Macroeconomic Outlook

November 2022

MINISTER OF ECONOMY - PAULO ROBERTO NUNES GUEDES

EXECUTIVE SECRETARY - MARCELO PACHECO DOS GUARANYS

CHIEF OF SPECIAL ADVISORY ON STRATEGIC AFFAIRS – **ROGÉRIO BOUERI**ASSISTANT SECRETARY FOR ECONOMIC POLICY – **PEDRO CALHMAN DE MIRANDA**HEAD OF MACROECONOMIC POLICY – **FAUSTO JOSÉ ARAUJO VIEIRA**

MACROECONOMIC OUTLOOK STAFF:

Arthur Rocha Xavier

Carlos Henrique Coêlho de Andrade

Elder Linton Alves de Araújo

Gustavo Miglio de Melo

Hébrida Verardo Moreira Fam

Lilian Cavalvante Souto

Pedro Corbelino Melges Barreto Sales

Rodrigo Mendes Pereira

Rogério Mazali

Silas Franco de Toledo

CONTACT: conjuntura.df. spe@economia.gov.br

More information:

https://www.gov.br/fazenda/pt-br/orgaos/spe

