



FOR RELEASE: 11:00 A.M. (RIO DE JANEIRO TIME), SEPTEMBER 16, 2015

The Conference Board[®] **THE CONFERENCE BOARD LEADING ECONOMIC INDEX[®] FOR BRAZIL, TOGETHER WITH FUNDAÇÃO GETULIO VARGAS** AND RELATED COMPOSITE ECONOMIC INDEXES FOR AUGUST 2015

The Conference Board Leading Economic Index[®] for Brazil, together with Fundação Getulio Vargas (TCB/FGV Brazil LEI), declined 1.5 percent and *The Conference Board Coincident Economic Index*[®] for Brazil, together with Fundação Getulio Vargas (TCB/FGV Brazil CEI), increased 0.1 percent in August.

- The TCB/FGV Brazil LEI fell sharply in August, with the majority of leading indicators making negative contributions to the index. Between February and August 2015, the leading economic index fell by 4.6 percent (about a -8.9 percent annual rate), a slight improvement from the deeper contraction of 5.2 percent (about a -10.1 percent annual rate) over the previous six months. Nevertheless, the weaknesses among the leading indicators have remained very widespread in the last six months.
- The TCB/FGV Brazil CEI, a measure of current economic activity, increased slightly in August, based on preliminary data. During the six-month period ending in August 2015, the coincident economic index declined by 1.3 percent (about a –2.5 percent annual rate), falling at a moderately faster rate than the decline of 1.1 percent (about a –2.3 percent annual rate) over the previous six months. Meanwhile, Brazil's real GDP contracted by 7.2 percent (annual rate) in the second quarter, following a 3.0 percent (annual rate) decline in the first quarter.
- The TCB/FGV Brazil LEI fell sharply in August for the tenth consecutive month, with very widespread weaknesses among its components. As a result, its six-month change remains in deep negative territory. Meanwhile, the six-month change in the TCB/FGV Brazil CEI continues contracting. Taken together, the continued downward trend in both the LEI and the CEI suggests that Brazil will likely remain in recession through the rest of 2015.

<u>LEADING INDICATORS.</u> Seven of the eight components that make up the TCB/FGV Brazil LEI decreased in August. The negative contributors—in order from the largest negative contributor to the smallest—were the terms of trade index, the exports volume index, stock prices, the services sector survey: expectations index, the manufacturing survey's expectations index, the consumers survey: expectations index, and the swap rate (inverted). The consumer durable goods production index* increased in August.

The next release is scheduled for Friday, October 16, 2015 at 11:00 A.M. (Rio de Janeiro time) In New York – Friday, October 16, 2015 at 10:00 A.M. (ET) With the decline of 1.5 percent in August, the TCB/FGV Brazil LEI now stands at 87.7 (2010=100). Based on revised data, this index declined 0.7 percent in July and declined 0.3 percent in June. During the six-month span through August, the TCB/FGV Brazil LEI decreased 4.6 percent, and only one of the eight components advanced (diffusion index, six-month span equals 12.5 percent).

<u>COINCIDENT INDICATORS.</u> Four of the six components that make up the TCB/FGV Brazil CEI increased in August. The positive contributors—in order from the largest positive contributor to the smallest—were occupied employed population*, the volume of sales of the retail market index*, industrial electric energy consumption*, and the average real income of workers*. Shipments of corrugated paper declined in August, while industrial production* remained unchanged.

With the gain of 0.1 percent in August, the TCB/FGV Brazil CEI now stands at 102.7 (2010=100). Based on revised data, this index remained steady in July and decreased 0.2 percent in June. During the six-month span through August, the TCB/FGV Brazil CEI decreased 1.3 percent, and all six components declined (diffusion index, six-month span equals 0 percent).

FOR TABLES AND CHARTS, SEE BELOW

DATA AVAILABILITY AND NOTES. The data series used to compute the TCB/FGV Brazil LEI and the TCB/FGV Brazil CEI reported in this release are those available "as of" 5:00 P.M. (ET) on September 14, 2015. * The series in the TCB/FGV Brazil LEI that is based on our estimates is the consumer durable goods production index. The series in the TCB/FGV Brazil CEI that are based on our estimates were industrial production, occupied employed population, volume of sales of the retail market, average real income of workers, and industrial electric energy consumption.

For further information:

The Conference Board New York: Jonathan Liu: 1-732- 991-1754 / jonathan.liu@conference-board.org Carol Courter: 1-732-672-2817 / <u>courter@conference-board.org</u> Indicators Program: <u>indicators@conference-board.org</u> The Conference Board Brussels: Andrew Tank: 32 2 675 5405 / <u>andrew.tank@conference-board.org</u> RIO DE JANEIRO: FGV/IBRE Thais Thimoteo: 55 21 3799 6836 | <u>thais.thimoteo@fgv.br</u> Juliana Rocha: 55 21 3799 6913 | Juliana.mrocha@fgv.br <u>THE CYCLICAL INDICATOR APPROACH.</u> The composite economic indexes are the key elements in an analytic system designed to signal peaks and troughs in the business cycle. The leading and coincident economic indexes are essentially composite averages of several individual leading or coincident indicators. (See page 3 for details.) They are constructed to summarize and reveal common turning point patterns in economic data in a clearer and more convincing manner than any individual component—primarily because they smooth out some of the volatility of individual components.

Historically, the cyclical turning points in TCB/FGV Brazil LEI have occurred before those in aggregate economic activity, while the cyclical turning points in TCB/FGV Brazil CEI have occurred at about the same time as those in aggregate economic activity.

Further explanations of the cyclical indicator approach and the composite economic index methodology appear in The Conference Board's *Business Cycle Indicators* report and website: <u>www.conference-board.org/data/bci.cfm</u>

Brazil Composite Economic Indexes: Components and Standardization Factors

Leading Economic Index	Factor
1. SWAP Rate	0.3267
2. Manufacturing Survey's Expectations Index	0.1202
3. Services Sector Survey: Expectations Index	0.0905
4. Consumers Survey: Expectations Index	0.1185
5. Stock Prices: BOVESPA Index	0.0386
6. Terms of Trade Index	0.1871
7. Consumer Durable Goods Production Index	0.0656
8. Exports Volume Index	0.0528
Coincident Economic Index	
1. Industrial Production	0.1115
2. Industrial Electric Energy Consumption	0.0849
3. Shipment of Corrugated Paper	0.0783
4. Volume of Sales of the Retail Market	0.0828
5. Occupied Employed Population	0.5338
6. Average Real Income of Workers	0.1087

The component factors are inversely related to the standard deviation of the month-to-month changes in each component. They are used to equalize the volatility of the contribution from each component and are normalized to sum to 1.

These factors were revised effective with the release in January 2015. Updates to the leading and coincident indexes normally only incorporate revisions to data over the past six months. The factors above for the leading economic index were calculated using the July 2008 to December 2013 period as the sample period for measuring volatility. Separate sets of factors for the October 2005 to June 2008, February 2002 to September 2005, October 1999 to January 2002, and February 1996 to September 1999 period, are available upon request. The factors above for coincident economic index were calculated using the February 2003 to December 2013 period as the sample period. Separate sets of factors for the April 2002 to January 2003, March 2002, February 2002, February 1996 to January 2002 period, are available upon request. These multiple sample periods are the result of different starting dates for the component data. When one or more components are missing, the other factors are adjusted proportionately to ensure that the total continues to sum to 1. For additional information on the standardization factors and the index methodology, visit our Web site: www.conference-board.org/data/bci.cfm

The trend adjustment factors for the leading economic index are 0.1118 (calculated over the 2004 - 2013 period) and -0.1074 (calculated over the 1996 - 2003 period).

To address the problem of lags in available data, those leading and coincident indicators that are not available at the time of publication are estimated using statistical imputation. An autoregressive model is used to estimate each component. The resulting indexes are constructed using real and estimated data, and will be revised as the data unavailable at the time of publication become available. Such monthly data revisions are now a regular part of the U.S. Business Cycle and Global Indicators program. The main advantage of this procedure is to utilize in the leading economic index the data such as bond yields, stock prices, and change in consumer expectations that are available sooner than other data on real aspects of the economy such as durable goods production. Empirical research by The Conference Board suggests there are real gains in adopting this procedure to make all the indicator series as up-to-date as possible.

NOTICES

TCB/FGV Brazil LEI news release schedule for 2015:

Friday, October 16, 2015For September 2015 dataTuesday, November 17, 2015For October 2015 dataTuesday, December 15, 2015For November 2015 data

All releases are at 11:00 A.M. (Rio de Janeiro time).

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The Brazilian Institute of Economics (Instituto Brasilieiro de Economia—IBRE) at Fundação Getúlio Vargas (FGV) was founded in 1951 to research, analyze, produce and disseminate macroeconomic statistics and applied studies. Its purpose is to inform and help improve public policies and private activities in the Brazilian economy. IBRE is a leading institute in calculating the Brazilian GDP and producing price indices including the General Price Index (IGP) which served as Brazil's official inflation index for many years. In addition to price indices, IBRE prepares trend and business cycle indicators that are widely used by administrators and analysts. www.fgv.br/ibre

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The Conference Board Leading Economic Index® and

The Conference Board Coincident Economic Index® for Brazil, together with Fundação Getulio Vargas

		mmary or D	razii Compos	site Econori	lic indexes		
				2015			
	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.
	04.0	04.0	00.0	00.0	00.0	00.0	07.7
Leading index	91.9	91.0	90.0	89.9	89.6 r	89.0 r	87.7 p
Percent change	-1.5	-1.0	-1.1	-0.1	-0.3 r	-0.7 r	-1.5 p
Diffusion index	25.0	25.0	50.0	37.5	50.0	50.0	12.5
Coincident index	104.0	103.7	103.1	102.8 r	102.6 r	102.6 p	102.7 p
Percent change	-0.7	-0.3	-0.6	-0.3	-0.2 r	0.0 p	0.1 p
Diffusion index	8.3	33.3	8.3	58.3	25.0	66.7	75.0
	Aug to	Sep to	Oct to	Nov to	Dec to	Jan to	Feb to
	Feb	Mar	Apr	May	Jun	Jul	Aug
Leading index							
Percent change	-5.2	-5.8	-6.9	-5.6	-5.7 r	-4.6 r	-4.6 p
Diffusion index	0.0	12.5	25.0	12.5	25.0	25.0	12.5
Coincident index							
Percent change	-1.1	-1.3	-2.3 r	-3.3 r	-1.9 r	-2.0 p	-1.3 p
Diffusion index	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 1.--Summary of Brazil Composite Economic Indexes

p Preliminary. r Revised (noted only for index levels and one-month percent changes).

CALCULATION NOTE: The diffusion indexes measure the proportion of the components that are rising. Components that rise

more than 0.05 percent are given a value of 1.0, components that change less than 0.05 percent are given a value of 0.5,

and components that fall more than 0.05 percent are given a value of 0.0.

For more information, visit our Web site at www.conference-board.org/data/bci.cfm

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The Conference Board Leading Economic Index® and The Conference Board Coincident Economic Index® for Brazil, together with Fundação Getulio Vargas

					2015			
Component	Feb.		Mar.	Apr.	May.	Jun.	Jul.	Aug
~			Braz	il Leading Ec	onomic Index	component d	ata	
WAP Rate*								
360 days, %)	13.07		13.61	13.39	13.73	14.17	14.02	14.20
Anufacturing Survey's Expectations Index								
%, SA)	81.90		75.50	69.60	68.70	65.80	67.90	66.80
ervices Sector Survey: Expectations Index								
%, SA)	110.60		98.80	105.70	107.40	104.80	97.40	95.70
Consumers Survey: Expectations Index								
%, SA)	87.00		85.80	88.10	88.40	88.60	86.50	85.70
tock Prices	E1E92.00		51150.00	56229.00	52760.00	53080.00	50864.00	46625.00
Bovespa Index, Mar 1997=100)	51565.00		51150.00	30229.00	52760.00	55060.00	50664.00	40025.00
erms of Trade Index								
ndex, 2006=100, SA)	106.67	r	109.19 r	102.78 r	101.38 r	102.24 r	102.82 r	100.23
consumer Durable Goods Production Index								
ndex, 2002=100, SA)	86.20		84.20 r	82.50 r	82.30 r	74.10 r	81.20 r	81.46
xports Volume Index								
ndex, 2006=100, SA)	101.84	r	118.22 r	106.78 r	112.54 r	129.35 r	114.85 r	105.98
ndex, 2000–100, OA)	101.04		110.22	100.70 1	112.04	123.55 1	114.00 1	100.30
EADING INDEX (2010=100)	91.9	r	91.0	90.0	89.9	89.6 r	89.0 r	87.7
Percent change from preceding month	-1.5		-1.0	-1.1	-0.1	-0.3 r	-0.7 r	-1.5
			Braz	il Leading Eco	onomic Index (net contributi	ons	
WAP Rate* 360 days, %)			-0.18	0.07	-0.11	-0.14	0.05	-0.06
			0.10	0.07	0.11	0.14	0.00	0.00
Anufacturing Survey's Expectations Index			0.77	0.71	0.11	0.25	0.25	0.12
%, SA)			-0.77	-0.71	-0.11	-0.35	0.25	-0.13
Services Sector Survey: Expectations Index								
%, SA)			-1.07	0.62	0.15	-0.24	-0.67	-0.15
Consumers Survey: Expectations Index								
%, SA)			-0.14	0.27	0.04	0.02	-0.25	-0.09
tock Prices								
Bovespa Index, Mar 1997=100)			-0.03	0.37	-0.25	0.02	-0.16	-0.34
			0.44	4.40	0.00	0.40	0.44	
erms of Trade Index			0.44 r	-1.13 r	-0.26 r	0.16 r	0.11 r	-0.48
ndex, 2006=100, SA)								
Consumer Durable Goods Production Index			-0.15 r	-0.13 r	-0.02 r	-0.69 r	0.60 r	0.02
ndex, 2002=100, SA)								
			0.79 r	-0.54 r	0.28 r	0.73 r	-0.63 r	-0.42
xports Volume Index								

P Preliminary. r Revised. -- * Inverted series; a negative change in this component makes a positive contribution.
 ** Statistical Imputation (See page 2 for more details) interpolation

Data Sources: IBRE and Fundação Getulio Vargas (FGV)

CALCULATION NOTE--The percent change in the index does not always equal the sum of the net contributions of the individual components (because of rounding effects and base value differences).

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The Conference Board Leading Economic Index® and The Conference Board Coincident Economic Index® for Brazil, together with Fundação Getulio Vargas

Table 3Data and Net Contributions for Components of TCB/FGV Brazil CEI
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				2015			
Component	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.
~		Brazil Co	oincident Ec	onomic Inde	ex component	t data	
ndustrial Production Index, 2002=100, SA)	94.8 r	93.9 r	92.6 r	93.0 r	92.2 r	90.8 r	90.8 *
ndustrial Electric Energy Consumption GWh, SA)	14615.2 r	14656.3 r	14363.7 r	14384.4 r	14382.7 r	14408.1 **	14433.8 *
Shipments of Corrugated Paper Tonnes, SA)	281564.5 r	282041.0 r	276763.9 r	269612.5 r	272648.4 r	275497.7 r	271928.4
/olume of Sales of the Retail Market Index, 2011=100, SA)	106.0	104.0	103.6	101.7	100.9	102.0 **	102.4 *
Dccupied Employed Population Thousands of people, SA)	22926.8 r	22913.2 r	22921.0 r	22915.5 r	22872.1 r	22849.8 r	22886.8 *
Average Real Income of Workers Thousand R\$, deflated by CPI, SA)	2046.5 r	2033.0 r	2015.5 r	2027.6 r	2025.2 r	2028.1 **	2030.3 *
COINCIDENT INDEX (2010=100) Percent change from preceding month	104.0 -0.7	103.7 -0.3	103.1 r -0.6 r	102.8 r -0.3	102.6 r -0.2 r	102.6 p 0.0 p	102.7 բ 0.1 բ
		Brazil Co	incident Eco	onomic Inde	x net contribu	utions	
ndustrial Production Index, 2002=100, SA)		-0.11 r	-0.16	0.05 r	-0.10 r	-0.17 r	0.00 *
ndustrial Electric Energy Consumption GWh, SA)		0.02	-0.17	0.01 r	0.00 r	0.02 **	0.02
shipments of Corrugated Paper Tonnes, SA)		0.01 r	-0.15	-0.20 r	0.09 r	0.08	-0.10
/olume of Sales of the Retail Market index, 2011=100, SA)		-0.16	-0.03	-0.15 r	-0.07	0.09 **	0.03
Dccupied Employed Population Thousands of people, SA)		-0.03	0.02	-0.01 r	-0.10 r	-0.05 r	0.09 *
Average Real Income of Workers Thousand R\$, deflated by CPI, SA)		-0.07	-0.09	0.07 r	-0.01 r	0.02 **	0.01

p Preliminary. r Revised. -- * Inverted series; a negative change in this component makes a positive contribution.

** Statistical Imputation (See page 2 for more details) interpolation

Data Sources: IBRE and Fundação Getulio Vargas (FGV)

CALCULATION NOTE--The percent change in the index does not always equal the sum of the net contributions

of the individual components (because of rounding effects and base value differences).

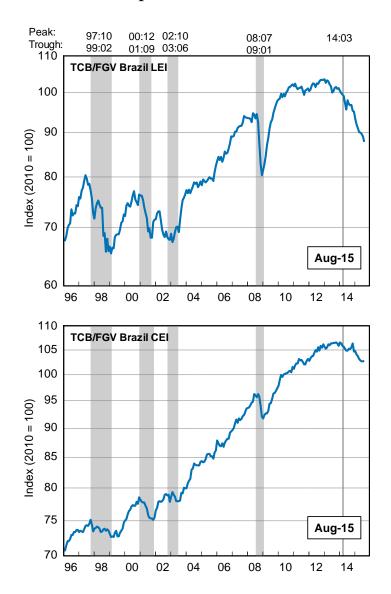
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Brazil Composite Economic Indexes



Note: The shaded areas denote business cycle recessions as determined by CODACE. The late date (March 2014) denotes March as the third month of the quarter in which CODACE announced that the peak of the last business cycle expansion occurred (that is the beginning of the recession)

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