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The Conference Board®
China Business Cycle Indicators<sup>SM</sup>

# THE CONFERENCE BOARD LEADING ECONOMIC INDEX® (LEI) FOR CHINA

AND RELATED COMPOSITE ECONOMIC INDEXES FOR JULY 2013

The Conference Board Leading Economic Index<sup>®</sup> (LEI) for China increased 1.4 percent, and The Conference Board Coincident Economic Index<sup>®</sup> (CEI) increased 1.1 percent in July.

- The Conference Board LEI for China increased sharply in July. Floor space started and total loans issued by financial institutions continued to make large positive contributions to the index, while the consumer expectations index also improved after declining in the last two months. Despite the gain, the leading economic index grew 4.7 percent (about a 9.7 percent annual rate) between January and July 2013, down from the 7.2 percent increase (about a 15.0 percent annual rate) in the previous six months. Nevertheless, the strengths among the leading indicators were slightly more widespread than the weaknesses in the last six months.
- The Conference Board CEI for China, a measure of current economic activity, also increased in July. The coincident economic index increased 8.7 percent (about an 18.1 percent annual rate) in the six-month period ending July 2013, sharply up from the 1.7 percent increase (about a 3.5 percent annual rate) during the previous six months. In addition, the strengths among the coincident indicators have remained very widespread, with all components advancing in recent months. At the same time, according to the National Bureau of Statistics of China, real GDP increased by 7.5 percent in the second quarter of 2013 (year-over-year growth rate), slightly down from the 7.7 percent growth in the first quarter.
- The LEI for China increased sharply in July, again mainly driven by the real estate sector and bank loans. However, its six-month growth rate has continued to slow since the beginning of 2013. Meanwhile, the CEI for China also increased in July, and its six-month growth picked up sharply. Despite the large increase in the six-month growth of the CEI (partly due to the large decline in the CEI in January this year), the continued moderation in the growth of the LEI suggests that the rate of China's economic expansion is unlikely to accelerate in the rest of 2013.

<u>LEADING INDICATORS.</u> All six components that make up The Conference Board LEI for China increased in July. The positive contributors to the index – in order from the largest positive contributor to the smallest – include total floor space started, total loans issued by financial institutions, the PMI new export orders index, the (inverted) PMI supplier delivery index, the consumer expectations index, and the 5000 industry enterprises diffusion index: raw materials supply index\*.

With the increase of 1.4 percent in July, The Conference Board LEI for China now stands at 267.3 (2004=100). Based on revised data, this index increased 0.8 percent in June and increased 0.3 percent in May. During the six-month span through July, The Conference Board LEI for China increased 4.7 percent, and four of the six components advanced (diffusion index, six-month span equals 66.7 percent).

<u>COINCIDENT INDICATORS.</u> Four of the five components that make up The Conference Board CEI for China increased in July. The positive contributors to the index – in order from the largest positive contributor to the smallest – include electricity production, value-added industrial production, retail sales of consumer goods, and manufacturing employment\*. Volume of passenger traffic\* fell in July.

With the increase of 1.1 percent in July, The Conference Board CEI for China now stands at 245.6 (2004=100). Based on revised data, this index increased 1.1 percent in June and increased 0.6 percent in May. During the six-month span through July, The Conference Board CEI for China increased 8.7 percent, and all five components advanced (diffusion index, six-month span equals 100.0 percent).

# FOR TABLES AND CHARTS, SEE BELOW

<u>DATA AVAILABILITY AND NOTES.</u> The data series used to compute **The Conference Board Leading Economic Index**<sup>®</sup> for China and **The Conference Board Coincident Economic Index**<sup>®</sup> for China reported in this release are those available "as of" 10:00 A.M. (ET) on August 16, 2013.

\* The series in The Conference Board LEI for China that are based on our estimate was the 5000 industry enterprises diffusion index: raw materials supply index. The series in The Conference Board CEI for China that are based on our estimates are volume of passenger traffic and manufacturing employment.

## For further information:

The Conference Board China Center for Economics and Business, Beijing:

Claire Xia: 86 10 8532 4688 / claire.xia@conference-board.org

The Conference Board New York:

Jonathan Liu: 1-732-991-1754 / jonathan.liu@conference-board.org Carol Courter: 1-732-672-2817 / courter@conference-board.org Indicators Program: 1 212 339 0330 / indicators@conference-board.org

The Conference Board Brussels:

Andrew Tank: 32 2 675 5405 / andrew.tank@conference-board.org

THE CYCLICAL INDICATOR APPROACH. 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 The Conference Board LEI for China have occurred before those in aggregate economic activity, while the cyclical turning points in The Conference Board CEI for China 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: <a href="www.conference-board.org/data/bci.cfm">www.conference-board.org/data/bci.cfm</a>

# China Composite Economic Indexes: Components and Standardization Factors

Leading Economic Index		<u>Factor</u>
1. Consumer Expectations I	ndex	0.0872
2. NBS Manufacturing PMI	Sub-Indices: Export	0.0836
Orders		0.2550
3. NBS Manufacturing PMI Supplier Deliveries, inver		0.2558
4. Total Loans Issued by Fin		0.1462
5. 5000 Industry Enterprises		0.4092
Materials Supply Index	3 Diffusion fluca. Raw	0.4072
6. Total Floor Space Started	1	0.0180
Coincident Economic Index		
1. Value Added of Industrial	l Production	0.1935
2. Retail Sales of Consumer	Goods	0.2009
3. Electricity Production		0.2230
4. Volume of Passenger Trat	ffic	0.1080
5. Manufacturing Employme	ent	0.2746

#### Notes

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 on the release for January 2013. 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 February 2005 to December 2011 period as the sample period for measuring volatility. Separate sets of factors for the February 1996 to January 2005, June 1992 to January 1996, February 1990 to May 1992, and the February 1986 to January 1990 period, are available upon request. The factors above for coincident economic index were calculated using the February 2000 to December 2011 period as the sample period. Separate sets of factors for the February 1990 to January 2000, January 1990, July 1986 to December 1989, and the February 1986 to June 1986 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 0.6649 (calculated over the 2002 - 2011 period), 0.4178 (calculated over the 1992 - 2001 period), and -0.3803 (calculated over the 1986 - 1991 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 confidence that are available sooner than other data on real aspects of the economy such as housing starts and new orders. 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**

The 2013 schedule for "The Conference Board Leading Economic Index® for China" updates is:

August 2013 Data ... Monday, September 16, 2013 September 2013 Data ... Monday, October 21, 2013 October 2013 Data ... Tuesday, November 19, 2013 November 2012 Data ... Tuesday, December 17, 2013

All releases are at 9:00 P.M. (10:00 P.M. EST) ET, 10:00 A.M. (Beijing time, following day).

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# 世界大型企业研究会中国先行与同步经济指数

表 1: 中国经济指数摘要

	1	$\mathbf{X}_{\mathbf{I}}$ : $\mathbf{I}_{\mathbf{I}}$	日江リリ	双侧又			
				2013			
	一月	二月	三月	四月	五月	六月	七月
中国先行经济指数	255.2	258.4	256.9 p	260.6 p	261.4 p	263.6 p	267.3 p
环比增长	1.7	1.3	-0.6 p	1.4 p	0.3 p	0.8 p	1.4 p
扩散指数	66.7	75.0	25.0	75.0	41.7	75.0	91.7
中国同步经济指数	226.0	236.9 r	237.9 г	238.8 г	240.3 r	242.9 p	245.6 p
环比增长	-2.1	4.8	0.4 r	0.4	0.6	1.1 p	1.1 p
扩散指数	60.0	60.0	60.0	80.0	100.0	100.0	80.0
	七月至	八月至	九月至	十月至	十一月至	十二月至	一月至
	一月	二月	三月	四月	五月	六月	七月
中国先行经济指数							
环比增长	7.2	6.6 r	5.5 p	5.2 p	4.3 p	5.0 p	4.7 p
扩散指数	83.3	83.3	66.7	50.0	33.3	50.0	66.7
中国同步经济指数							
环比增长	1.7	6.1 r	5.9 r	5.6 r	4.7 r	5.2 p	8.7 p
扩散指数	80.0	80.0	100.0	100.0	100.0	100.0	100.0

p 初步估算 r 已修订(此处只限于指数与月增长).

计算提示: 扩散指数用于衡量指数构成中增长与下降的指标的比例

增长率大于百分之 0.05, 其扩散指标为1.0。如指标增长率小与百分之 0.05, 其扩散指标为0.5。

当指标下降率大于百分之0.05时,其扩散指标为0.0。

如需更多信息,请查询网站: www.conference-board.org/data/bci.cfm

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## 世界大型企业研究会中国先行与同步经济指数

表2: 中国先行经济指数数据及各指标的净贡献率

· · · · · · · · · · · · · · · · · · ·	表2: 中国先行经济指数数据及各指标的伊页献率							
				2013				
指标	一月	二月	三月	四月	五月	六月	七月	
	_		中国先行指数	数各指标				
消费者预期指数								
(季节调整后)	110.10	113.30	107.90	108.10	102.70	100.50 r	101.00	
金融机构人民币各项贷款总额								
(十亿元计,以2004年生产价格指数为基准,季节调整后)	52257.85	52870.78 r	53731.11 г	54676.74 г	55542.38 r	56238.37 r	56931.73	
5000户企业家调查扩散指数								
原材料供应情况指数(季节调整后,季度数据)	66.72	66.77	66.81 **	66.85 **	66.88 **	66.91 **	66.94 **	
中国制造业采购经理指数(PMI) 供应商配送时间(逆行指标,季节调整后)	49.75	49.35	50.77	50.42	50.84	50.62	50.37	
中国制造业采购经理指数 (PMI)	49.73	49.33	30.77	30.42	30.64	30.02	30.37	
新出口订单(季节调整后)	48.74	48.78 r	48.71 r	47.16 r	48.58	48.68	50.16	
全国房屋建筑新开工面积	40.74	46.76 1	46.71 1	47.10 1	46.36	46.06	30.10	
(千平方米计,季节调整后)	198464.48	197402.53	136616.75 г	183927.92	170701.25 r	182072.40	214907.78	
(11)								
先行指数 (2004=100)	255.2	258.4	256.9 p	260.6 p	261.4 p	263.6 p	267.3 p	
环比增长	1.7	1.3	-0.6 p	1.4 p	0.3 p	0.8 p	1.4 p	
	中国先行指数各指标的净贡献率							
消费者预期指数	000000000							
(季节调整后)		0.28	-0.47	0.02	-0.47	-0.19 r	0.04	
金融机构人民币各项贷款总额								
(十亿元计,以2004年生产价格指数为基准,季节调整后) 5000户企业家调查扩散指数		0.17	0.24 r	0.26 r	0.23	0.18	0.18	
原材料供应情况指数(季节调整后,季度数据)		0.02	0.02 **	0.02 **	0.01 **	0.01 **	0.01 **	
中国制造业采购经理指数(PMI)								
供应商配送时间(逆行指标,季节调整后)		0.10 r	-0.36 r	0.09 r	-0.11	0.05	0.06	
中国制造业采购经理指数(PMI)								
新出口订单(季节调整后)		0.00	-0.01	-0.13	0.12 r	0.01 r	0.12	
全国房屋建筑新开工面积								
(千平方米计,季节调整后)		-0.01 r	-0.66 r	0.53 r	-0.13 r	0.12 r	0.30	

p 初步估算 r 已修订 n.a. 无数据 c 已改正 \* 逆行指标; 当此指标下降时, 其对合成指数的净贡献率为正

数据来源: CEIC, 中国国家统计局, 中国人民银行, 世界大型企业研究会

计算提示--由于四舍五入的影响及基值的差异, 该指数的百分比变率并不总是等于各指标净贡献率的总和

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<sup>\*\*</sup> 统计估算 -- Q: 季度数据是通过线性插值转换为月度数据的

## 世界大型企业研究会中国先行与同步经济指数

表3: 中国同步指数数据及各指标的净贡献率

	10.5 T P P	127 10 XX XX :	$m \sim n + m$	いけつしょ マイログー	_			
	2013							
指标	一月	二月	三月	四月	五月	六月	七月	
	中国同步指数各指标							
工业增加值产量								
(十亿元计,以2004年生产价格指数为基准,季节调整后)	1042.0 r	1419.2 r	1326.0 r	1332.0 г	1341.5 r	1350.8 r	1365.0	
社会消费品零售总额	1450.4	15050	1500.0	15245	1550.0	1571.6	1505 1	
(十亿元计,以2004年零售价格指数为基准,季节调整后) 旅客周转量合计	1460.4 r	1526.2 r	1522.2 r	1534.7 r	1553.8 г	1571.6 r	1585.1	
(十亿人公里,季节调整后)	301.1 r	271.1 r	294.7 r	292.3 r	293.9 r	303.8 r	303.2	
发电量								
(十亿千瓦小时,季节调整后)	420.8 r	400.0 r	413.5 r	415.2 r	416.6 r	420.6 r	432.9	
城镇制造业就业人数								
(百万人,季节调整后,季度数据)	81.7	82.2	82.6**	82.9**	83.3 **	83.7 **	84.1 **	
同步指数 (2004=100)	226.0	236.9 r	237.9 г	238.8 r	240.3 г	242.9 р	<b>245.6</b> p	
环比增长	-2.1	4.8 r	0.4 r	0.4 r	0.6	1.1 p	1.1 p	
	中国同步指数各指标的净贡献率							
工业增加值产量						***************************************	***************************************	
(十亿元计,以2004年生产价格指数为基准,季节调整后)		5.93	-1.31	0.09	0.14 r	0.13 r	0.20	
社会消费品零售总额								
(十亿元计,以2004年零售价格指数为基准,季节调整后)	****	0.88 r	-0.05 r	0.16 r	0.25	0.23	0.17	
旅客周转量合计 (十亿人公里,季节调整后)		1.12	0.00	0.00	0.06	0.26	0.02	
(十亿人公里,孝卫师釜归) 发电量	••••	-1.13	0.90 r	-0.09 r	0.06 r	0.36 r	-0.02	
及电里 (十亿千瓦小时,季节调整后)		-1.13 r	0.74 r	0.09 r	0.07 r	0.21 r	0.64	
城镇制造业就业人数								
(百万人,季节调整后,季度数据)		0.18	0.11 **	0.13**	0.12**	0.12**	0.12 **	

p 初步估算 r 已修订 n.a. 无数据 c 已改正 \* 逆行指标; 当此指标下降时, 其对合成指数的净贡献率为正

数据来源: CEIC, 中国国家统计局, 中国人民银行, 世界大型企业研究会

计算提示--由于四舍五入的影响及基值的差异,该指数的百分比变率并不总是等于各指标净贡献率的总和

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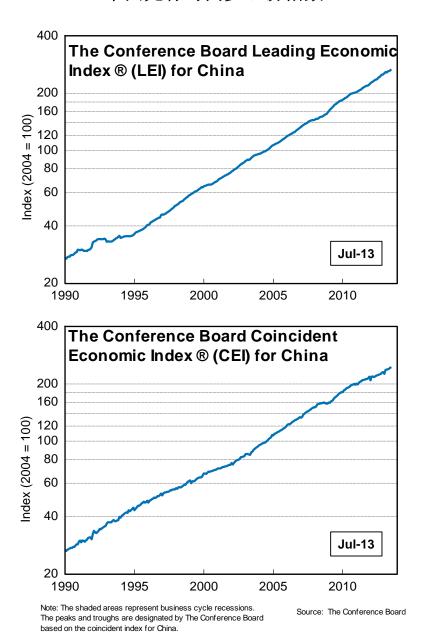
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