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The Conference Board® Spain Business Cycle IndicatorsSM

THE CONFERENCE BOARD LEADING ECONOMIC INDEX® (LEI) FOR SPAIN

AND RELATED COMPOSITE ECONOMIC INDEXES FOR FEBRUARY 2015

NEW YORK, APRIL 24, 2015... **The Conference Board Leading Economic Index**[®] (LEI) for Spain increased 0.6 percent and **The Conference Board Coincident Economic Index**[®] (CEI) increased 0.2 percent in February.

- The Conference Board LEI for Spain continued to advance in February, with large positive contributions from the Spanish equity price index, job vacancies and the order books survey. Between August 2014 and February 2015, the leading economic index grew 2.2 percent (about a 4.4 percent annual rate), up from its growth of 1.2 percent (about a 2.4 percent annual rate) over the previous six months. In addition, the strengths among the leading indicators have become very widespread with all components advancing over the recent half year.
- The Conference Board CEI for Spain, a measure of current economic activity, also increased. In the six-month period ending in February 2015, the coincident economic index advanced 1.3 percent (about a 2.6 percent annual rate), slightly above its 1.2 percent increase (about a 2.4 percent annual rate) over the previous six months. Moreover, the strengths among the coincident components have remained more widespread than the weaknesses in recent months. Meanwhile, real GDP increased about 2.7 percent (annual rate) in the fourth quarter of 2014, after expanding 2.1 percent (annual rate) in the third quarter.
- The LEI has been increasing since last fall, with widespread strengths among its components. As a result, its six-month change has improved considerably. Meanwhile, the CEI continues to increase moderately, and its six-month growth rate remains steady. Taken together, the recent behavior of the composite indexes suggests that economic activity will continue advancing, and the pace of growth may even pick up slightly in the near term.

<u>LEADING INDICATORS.</u> All six components that make up The Conference Board LEI for Spain increased in February. The positive contributors—in order from the largest positive contributor to the smallest—are the Spanish equity price index, job vacancies, the order books survey, the capital equipment component of industrial production, the long-term government bond yield (inverted), and the Spanish contribution to Euro M2.

With the increase of 0.6 percent in February, The Conference Board LEI for Spain now stands at 102.8 (2010=100). Based on revised data, this index increased 0.3 percent in January and increased 0.4 percent in December. During the six-month span through February, the index increased 2.2 percent, and all six components advanced (diffusion index, six-month span equals 100.0 percent).

<u>COINCIDENT INDICATORS.</u> Four of the five components that make up The Conference Board CEI for Spain increased in February. The positive contributors—in order from the largest positive contributor to the smallest—are final household consumption*, employment*, industrial production excluding construction, and real imports*. The retail sales survey declined in February.

With the increase of 0.2 percent in February, The Conference Board CEI for Spain now stands at 95.0 (2010=100). Based on revised data, this index increased 0.1 percent in both January and December. During the six-month span through February, the index increased 1.3 percent, and three of the five components advanced (diffusion index, six-month span equals 60.0 percent).

FOR TABLES AND CHARTS, SEE BELOW

<u>DATA AVAILABILITY</u>. The data series used to compute **The Conference Board Leading Economic Index**[®] (LEI) for Spain and **The Conference Board Coincident Economic Index**[®] (CEI) for Spain reported in the tables in this release are those available "as of" 10 A.M. (ET) April 16, 2015. Some series are estimated as noted below.

NOTES: Series in The Conference Board CEI for Spain that are based on our estimates include final household consumption, employment and real imports.

Professional Contacts at The Conference Board:

Indicators Program:

Email: indicators@conference-board.org

Website: http://www.conference-board.org/data/bci.cfm

Media Contacts:

Carol Courter: 212- 339-0232 Jonathan Liu: 212- 339-0257

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 Spain have occurred before those in aggregate economic activity, while the cyclical turning points in The Conference Board CEI for Spain 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: http://www.conference-board.org/data/bci.cfm.

Spain Composite Economic Indexes: Components and Standardization Factors

	Leading Economic Index	<u>Factor</u>
1	Capital Equipment Component of Industrial Production	0.0505
2	Contribution to Euro M2	0.1795
3	Stock Price Index	0.0281
4	Long-term Government Bond Yield	0.5526
5	Order Books Survey	0.1145
6	Job Vacancies	0.0748
	Coincident Economic Index	<u>Factor</u>
1	Final Consumption Expenditure	0.3689
2	Industrial Production (2010=100)	0.1526
3	Real Imports (3 month moving average)	0.0442
4	Retail Sales Survey	0.0463
5	Employment	0.3880

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 with the release in January 2015, and all historical values for the two composite indexes were revised at this time to reflect the changes. (Under normal circumstances, updates to the leading and coincident economic indexes only incorporate revisions to data over the past six months.) The factors above for The Conference Board LEI for Spain were calculated using the October 1997 to December 2013 period as the sample period for measuring volatility. A separate set of factors for the February 1984 to September 1997 period, is available upon request. The factors above for The Conference Board CEI for Spain were calculated using the February 1995 to December 2013 period as the sample period. Separate sets of factors for the February 1984 to January 1985 period, the February 1985 to October 1994 period, and the November 1994 to January 1995 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 website: http://www.conference-board.org/data/bci.cfm.

The trend adjustment factor for The Conference Board LEI for Spain is -0.0100, calculated over the 1984-2013 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 revisions are part of the monthly data revisions, now a regular part of the U.S. Business Cycle Indicators program. The main advantage of this procedure is to utilize in the leading economic index the data, such as stock prices, that are available sooner than other data on "real" aspects of the economy, such as new orders and changes in inventory. 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 Conference Board Leading Economic Index[®] (LEI) for Spain news release schedule for 2015:

Friday, May 22, 2015 For March 2015 data Wednesday, June 24, 2015 For April 2015 data For May 2015 data Tuesday, July 14, 2015 Friday, August 21, 2015 For Jane 2015 data Tuesday, September 22, 2015 For July 2015 data Monday, October 19, 2015 For August 2015 data For September 2015 data Friday, November 20, 2015 Wednesday, December 09, 2015 For October 2015 data

All releases are at 9:30 A.M. (ET)

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The Conference Board Spain Business Cycle Indicators

Table 1.--Summary of Spain Composites Economic Indexes

			2014				2	015		
	Aug.	Sep.	Oct.	Nov.	Dec.		Jan.		Feb.	
Leading index	100.6	100.7	100.9	101.5	101.9	r	102.2	r	102.8	
Percent change	-0.2	0.1	0.2	0.6	0.4	r	0.3		0.6	
Diffusion index	41.7	83.3	41.7	91.7	50.0		66.7		83.3	
Coincident index	93.8	94.2	94.4	94.6	94.7	р	94.8	р	95.0	р
Percent change	0.0	0.4	0.2	0.2	0.1	p	0.1	р	0.2	р
Diffusion index	60.0	100.0	100.0	70.0	60.0		50.0		80.0	
	Feb to	Mar to	Apr to	May to	Jun to		Jul to		Aug to	—
	Aug	Sep	Oct	Nov	Dec		Jan		Feb	
Leading index										
Percent change	1.2	1.1	1.2	1.5	1.4	r	1.4	r	2.2	
Diffusion index	83.3	66.7	66.7	66.7	66.7		66.7		100.0	
Coincident index										
Percent change	1.2	1.3	1.2	1.0	1.2	р	1.1	р	1.3	р
Diffusion index	80.0	100.0	80.0	60.0	60.0		80.0		60.0	

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.

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The Conference Board Spain Business Cycle Indicators

Table 2.--Data and Net Contributions for Components of the Spain Leading Economic Index

_	2014						2015						
Component	Aug.		Sep.		Oct.		Nov.		Dec.		Jan.		Feb.
	Spain Leading Economic Index component data							ata					
Capital Equipment Component of													
Industrial Production(3 month moving average, s.a.)	101.5	r	102.5	r	101.9	r	103.1	r	102.1		102.0	r	104.1
Spanish Contribution to Euro M2 (s.a.)	960485.62	r	963701.31	r	954683.14	r	957540.37	r	952550.38	r	971889.53	r	972237.95
Spanish Equity Price Index	1094.6		1104.6		1062.2		1090.6		1042.5		1051.8		1132.9
Long-term Government Bond Yield (Inverted)	2.4		2.2		2.1		2.1		1.8		1.5		1.5
Order Books Survey (3 month moving average, s.a.)	3.33		0.76		5.21		7.51		10.90	r	8.69	r	9.79
Job Vacancies (3 month moving average, s.a.)	1401.5	r	1416.3	r	1416.9	r	1444.7	r	1458.4	r	1468.9	r	1496.4
LEADING INDEX (2010=100)	100.6		100.7		100.9		101.5		101.9	r	102.2	r	102.8
Percent change from preceding month	-0.2		0.1		0.2		0.6		0.4	r	0.3		0.6
- -	Spain Leading Economic Index net contributions												
Capital Equipment Component of Industrial Production(3 month moving average, s.a.)			0.05		-0.03	r	0.05	r	-0.05		-0.01	r	0.10
Spanish Contribution to Euro M2 (s.a.)			0.06		-0.17	r	0.05	r	-0.09		0.36	r	0.01
Spanish Equity Price Index			0.03		-0.11		0.07		-0.13		0.03		0.21
Long-term Government Bond Yield (Inverted)			0.12		0.05		0.02		0.15		0.14		0.02
Order Books Survey (3 month moving average, s.a.)			-0.29		0.51		0.26		0.39	r	-0.25		0.13
Job Vacancies (3 month moving average, s.a.)			0.08		0.00		0.15	r	0.07	r	0.05	r	0.14

p Preliminary. r Revised. s.a. Seasonally Adjusted

Data Sources: Ministerio de Economia y Hacienda, IMF, OECD, Haver Analytics

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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^{*} Inverted series; a negative change in this component makes a positive contribution to the index.

^{**} Statistical Imputation (See page 2 for more details)

Q Quarterly series; these series are converted to a monthly series through a linear interpolation.

The Conference Board Spain Business Cycle Indicators

Table 3.--Data and Net Contributions for Spain Coincident Economic Index

		2015								
Component	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.			
	Ţ.	Spa	a .							
Final Household Consumption, billions of Euro, 2010 prices (Q)	145.2	145.6	146.1	146.5	146.9 **	147.3 **	147.6 **			
Industrial Production, Excluding Construction 2010=100 (3 month moving average)	90.8	91.1	91.2	91.3 r	91.2	91.1	91.4			
Real Imports, millions of Euro, 2005 prices	20532.80 r	20862.70 r	20941.90 r	20792.10 r	20458.40 r	20199.00 r	20252.50 **			
Retail Sales Survey 2010=100 (s.a.)	91.5 r	92.2 r	92.4 r	92.4	93.6 r	92.7 r	91.4			
Employment (Q) (Thousands, s.a.)	17536.0	17577.0	17618.0	17659.0	17698.8 **	17737.3 **	17774.7 **			
COINCIDENT INDEX (2010=100)	93.8	94.2	94.4	94.6	94.7 p	94.8 p	95.0 p			
Percent change from preceding month	0.0	0.4	0.2	0.2	0.1 p	0.1 p	0.2 p			
<u> </u>	Spain Coincident Economic Index net contributions									
Final Household Consumption, billions of Euro, 2010 prices (Q)		0.11	0.13	0.11	0.10 **	0.09 **	0.08 **			
Industrial Production, Excluding Construction										
2010=100 (3 month moving average)	••••	0.04	0.02	0.01	-0.02	0.00	0.05			
Real Imports, millions of Euro, 2005 prices		0.07	0.02 r	-0.03	-0.07 r	-0.06 r	0.01 **			
Retail Sales Survey 2010=100 (s.a.)		0.04 r	0.01	0.00	0.06	-0.04 r	-0.06			
Employment (Q) (Thousands, s.a.)		0.09	0.09	0.09	0.09 **	0.08 **	0.08 **			

p Preliminary. r Revised. s.a. Seasonally Adjusted

Data Sources: Ministerio de Economia y Hacienda, IMF, OECD, Haver Analytics, Eurostat

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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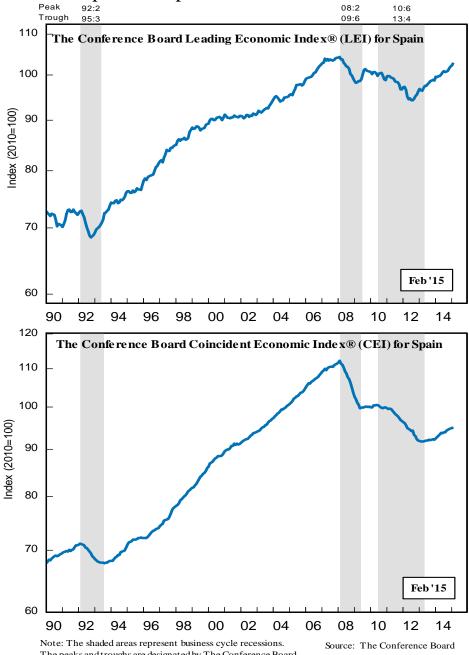
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^{*} Inverted series; a negative change in this component makes a positive contribution to the index.

^{**} Statistical Imputation (See page 2 for more details)

Spain Composite Economic Indexes



The peaks and troughs are designated by The Conference Board based on the coincident index and real GDP

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