

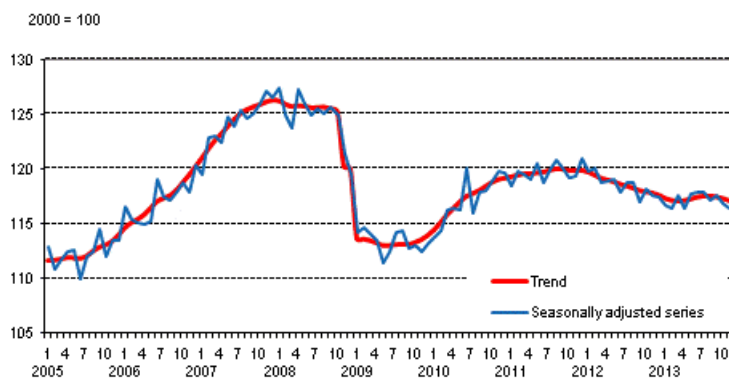
Trend Indicator of Output

2013, November

Output of the national economy decreased in November 2013

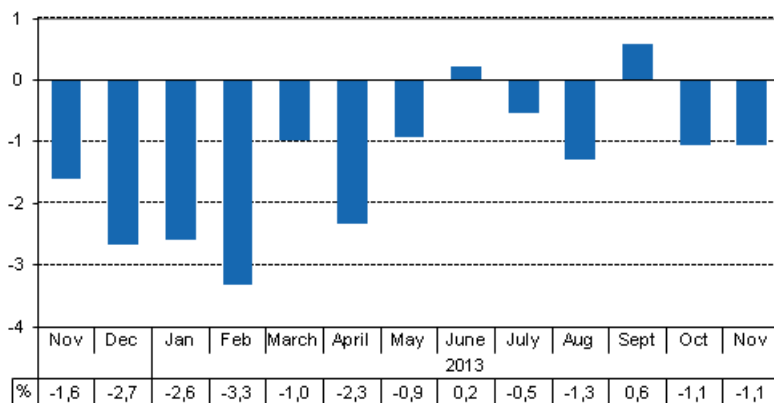
Seasonally adjusted output decreased by 0.4 per cent in November from the month before. Adjusted for working days, output fell by 1.1 per cent from the level of the previous year. According to revised data, working-day adjusted output decreased in October by 1.1 per cent (previously -0.6 per cent) from October 2012.

Volume of total output 2005 to 2013, trend and seasonally adjusted series



The series of the Trend Indicator of Output are seasonally adjusted with the Tramo/Seats method. The latest observations of the series adjusted for seasonal and random variation (seasonally adjusted and trend series) become revised with new observations in seasonal adjustment methods. Revisions especially at turning points of economic trends may be significant, which should be taken into consideration when using seasonally adjusted and trend data.

Working day adjusted change of total output from previous year's corresponding month, %



Secondary production contracted by two per cent and services by close on one per cent from November 2012. Primary production remained on level with the previous year.

Secondary production includes manufacturing and construction. Services comprise trade, hotel and restaurant activities, transport and business activities, as well as real estate, renting and research services, financial intermediation and insurance, and public services. Primary production refers to agriculture, forestry and fishing.

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Revisions in these statistics

Revision of annual volume change, %

		2013M03	2013M04	2013M05	2013M06	2013M07	2013M08	2013M09	2013M10
Seasonally adjusted month-on-month change, %	1. release	1,0	-2,4	1,2	-0,1	0,3	-0,1	-0,2	-0,4
	Previous release	1,0	-1,0	1,2	0,1	-0,1	-0,6	0,5	-0,4
	Latest release	1,0	-1,0	1,2	0,1	-0,1	-0,6	0,5	-0,6
	Revision, %-points (latest minus first)	0,0	1,4	0,0	0,2	-0,4	-0,5	0,7	-0,2
Working day adjusted year-on-year change, %	1. release	-0,4	-4,2	-0,8	-0,0	-0,2	-0,5	-0,3	-0,6
	Previous release	-1,0	-2,3	-1,0	0,2	-0,6	-1,3	0,6	-0,6
	Latest release	-1,0	-2,3	-0,9	0,2	-0,5	-1,3	0,6	-1,1
	Revision, %-points (latest minus first)	-0,6	1,9	-0,1	0,2	-0,3	-0,8	0,9	-0,5

Average revision starting from 2010QM01, %-points

	Average revision (absolute values)	Average revision
Seasonally adjusted month-on-month change	0,6	-0,0
Working day adjusted year-on-year change	1,0	-0,7

Suomen virallinen tilasto
Finlands officiella statistik
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National Accounts 2014

Inquiries

Samu Hakala 09 1734 3756

Veli-Pekka Karvinen 09 1734 2667

Director in charge:

Leena Storgårds

kansantalous.suhdanteet@tilastokeskus.fi

www.stat.fi

Source: Trend Indicator of Output 2013, November, Statistics Finland