

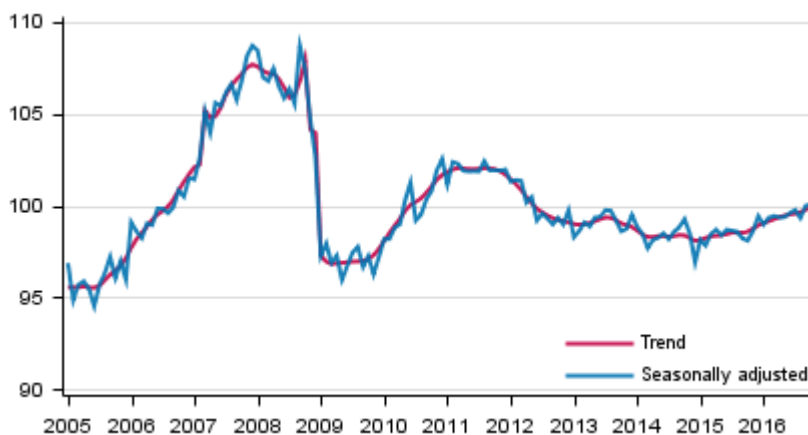
# Trend Indicator of Output

2016, October

## Output of the national economy rose in October

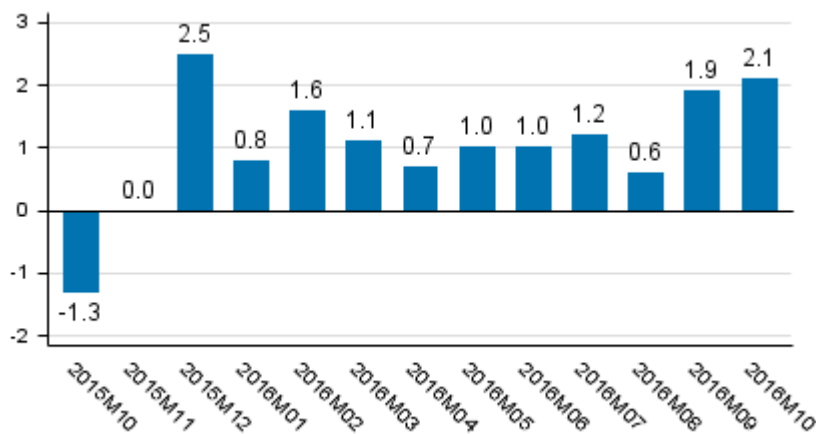
Seasonally adjusted output increased by 0.1 per cent in October from the month before. Adjusted for working days, output was 2.1 per cent higher than one year before. According to revised data, working-day adjusted output increased in September by 1.9 per cent (previously 1.5 per cent) from September 2015. The revision is caused by the benchmarking of the data to quarterly accounts.

### Volume of total output 2005 to 2016, 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, %**



Adjusted for working days, primary production increased by three per cent and secondary production by four per cent year-on-year. Services grew by one per cent from October 2015.

Primary production refers to agriculture, hunting, forestry and fishing. 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.

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# Revisions in these statistics

## Revision of annual volume change, %

		2016M02	2016M03	2016M04	2016M05	2016M06	2016M07	2016M08	2016M09
Seasonally adjusted month-on-month change, %	1. release	-0,3	-0,4	-1,0	-0,6	-0,1	0,5	-1,2	0,0
	Previous release	0,4	0,0	-0,2	0,0	0,4	0,9	-0,4	0,0
	Latest release	0,4	0,1	-0,1	0,0	0,2	0,2	-0,4	0,7
	Revision, %-points (latest minus first)	0,7	0,5	0,9	0,6	0,3	-0,3	0,8	0,7
Working day adjusted year-on-year change, %	1. release	0,6	0,7	-0,4	-0,3	0,5	1,5	-0,1	1,5
	Previous release	0,8	0,2	-0,3	0,0	0,5	2,0	1,5	1,5
	Latest release	1,6	1,1	0,7	1,0	1,0	1,2	0,6	1,9
	Revision, %-points (latest minus first)	1,0	0,4	1,1	1,3	0,5	-0,3	0,7	0,4

## Average revision starting from 2014M05, %-points

	Average revision (absolute values)	Average revision
Seasonally adjusted month-on-month change	0,6	0,5
Working day adjusted year-on-year change	0,9	0,3

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Source: Trend Indicator of Output 2016 October, Statistics Finland