

# Trend Indicator of Output

2019, November

## Output of the national economy grew in November

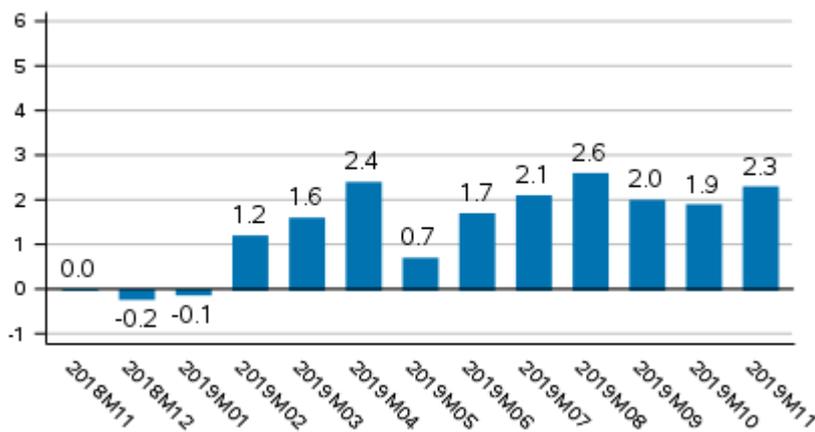
Adjusted for working days, output went up by 2.3 per cent in November 2019 year-on-year. In November, seasonally adjusted output grew by 0.3 per cent from the month before. According to revised data, working-day adjusted output increased in October 2019 by 1.9 per cent (previously 1.5 per cent) from October 2018.

### Volume of total output 2005 to 2019, 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, %**



Working day adjusted primary production grew by around one per cent, secondary production by slightly under five per cent and services by roughly one and a half per cent from November 2018.

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, %

		2019M03	2019M04	2019M05	2019M06	2019M07	2019M08	2019M09	2019M10
Seasonally adjusted month-on-month change, %	1. release	-0,3	0,6	-0,9	0,9	-0,8	0,5	-0,4	-0,6
	Previous release	0,3	0,4	-0,7	0,6	0,1	0,5	0,1	-0,6
	Latest release	0,5	0,3	-0,6	0,6	0,1	0,5	0,0	-0,4
	Revision, %-points (latest minus first)	0,8	-0,3	0,3	-0,3	0,9	0,0	0,4	0,2
Working day adjusted year-on-year change, %	1. release	1,1	2,8	0,8	2,2	1,7	2,5	0,8	1,5
	Previous release	1,4	2,5	0,7	1,7	2,1	2,5	2,1	1,5
	Latest release	1,6	2,4	0,7	1,7	2,1	2,6	2,0	1,9
	Revision, %-points (latest minus first)	0,5	-0,4	-0,1	-0,5	0,4	0,1	1,2	0,4

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

	Average revision (absolute values)	Average revision
Seasonally adjusted month-on-month change	0,6	0,4
Working day adjusted year-on-year change	1,1	0,5

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Source: Trend Indicator of Output 2019 November, Statistics Finland