

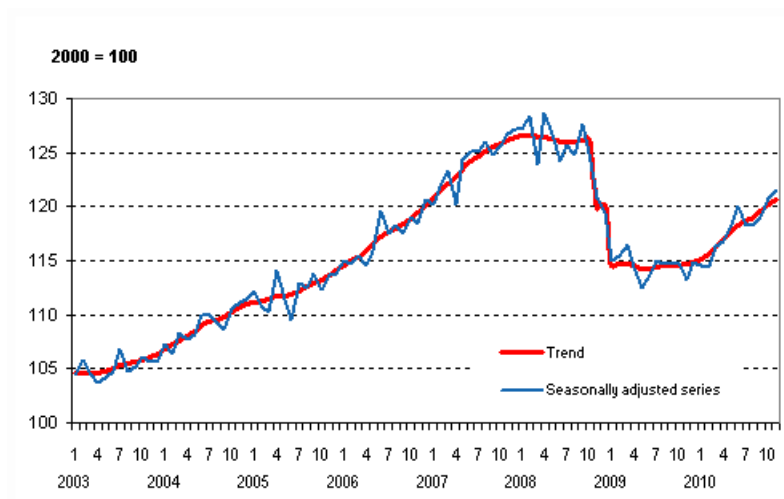
# Trend Indicator of Output

2010, November

## Brisk growth of output continued in the national economy through November 2010

Seasonally adjusted output grew by 0.7 per cent in November from the month before. According to the series adjusted for working days output went up by 7.5 per cent from the corresponding month of the year before. According to revised data, working-day adjusted output grew in October by 5.4 per cent (previously 5.5%) from October 2009.

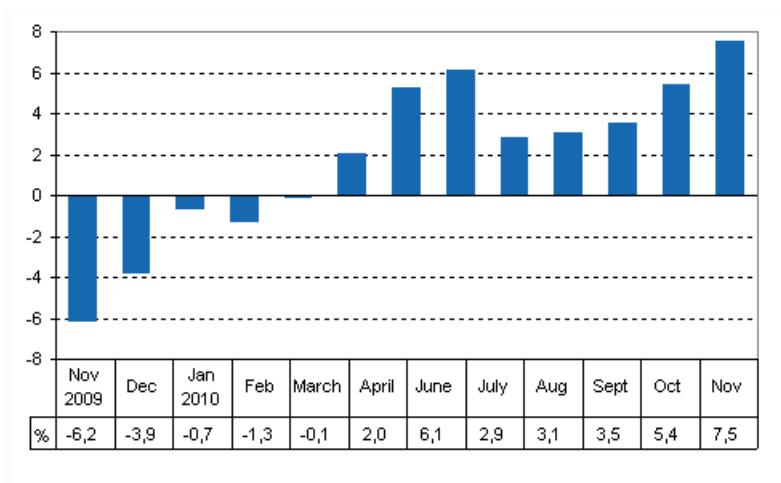
### Volume of total output 2003 – 2010, trend and seasonally adjusted series



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. Information on seasonal adjustment method:

[http://www.tilastokeskus.fi/til/tramo\\_seats\\_en.html](http://www.tilastokeskus.fi/til/tramo_seats_en.html)

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



According to the working-day adjusted series, primary production is estimated to have grown by 13 per cent from November 2009. Secondary production went up by 15 per cent and services by just under five per cent. 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.

# Contents

## Tables

### Appendix tables

Appendix table 1. Revisions to the data of the Trend Indicator of Output.....4

## Appendix tables

**Appendix table 1. Revisions to the data of the Trend Indicator of Output**

Release data	Referens period	Data	September, %	October, %	November, %
12.11.2011	September	Seasonally adjusted <sup>1)</sup>	-0,0		
		Adjusted for working days <sup>2)</sup>	4,2		
7.1.2011	October	Seasonally adjusted <sup>1)</sup>	0,5	1,5	
		Adjusted for working days <sup>2)</sup>	3,6	5,5	
4.2.2011	November	Seasonally adjusted <sup>1)</sup>	0,5	1,6	0,7
		Adjusted for working days <sup>2)</sup>	3,5	5,4	7,5

1) Percentage change from previous month

2) Percentage change from twelve months back

---

Suomen virallinen tilasto  
Finlands officiella statistik  
Official Statistics of Finland

National Accounts 2011

### Inquiries

Veli-Pekka Karvinen (09) 1734 2667

Samu Hakala (09) 1734 3756

Director in charge:

Ari Tyrkkö

[kansantalous.suhdanteet@tilastokeskus.fi](mailto:kansantalous.suhdanteet@tilastokeskus.fi)

[www.stat.fi](http://www.stat.fi)

Source: Trend Indicator of Output 2010, November, Statistics Finland