

EVOLUTION OF VALUE ADDED BY ACTIVITY

Although total GDP has grown in all OECD countries in nearly all years since 1990, that growth has not been evenly spread across economic activities. Some economic activities have grown faster than others and some have tended to decline in importance. A convenient way to show how the patterns of growth are changing is to divide the economy into primary, secondary and tertiary sectors – agriculture, industry and services, respectively.

Definition

Gross value added is defined as output minus intermediate consumption and equals employee compensation, net operating surplus, net mixed income and depreciation of capital assets. The growth rates shown here refer to volume estimates of gross value added.

Industry consists of mining and quarrying; manufacturing; production and distribution of electricity, gas and water; and construction. Services consists of retail and wholesale trade; transport and communications; real estate, finance, insurance and business services; education, health and other personal services; public administration; and defence.

Long-term trends

For OECD countries as a whole, agriculture has been growing by about 2.2% per year since 1995, industry by 1.8% per year and services by 2.9% per year.

Annual growth in agriculture is generally very uneven, with changes from year to year of 10% or more being quite common. Growth in industry is somewhat smoother in most countries, while year-to-year growth in services tends to be very smooth in all countries, one reason being that services include government services.

The graphs show growth rates averaged over the three latest years for which data are available. Over the period, agriculture declined in eight countries – most pronounced in Hungary, Denmark, Greece, Luxembourg, the Czech Republic and Ireland. Industry grew in most countries, except Norway. The service sector, however, grew in all countries with particularly sharp increases in the Ireland, Iceland, Luxembourg and Turkey.

Comparability

All OECD member countries follow the international 1993 *System of National Accounts*, so there is good comparability between countries as regards the definitions and coverage. It's important to recognise however that part of the decline of industry and the rise of service activities reflects the outsourcing of service activities that were previously carried out internally within industrial enterprises, and so, in this sense these movements overstate real changes in these activities. For example, if cleaning and security services were earlier provided by employees of a manufacturing enterprise, their salaries would have formed part of value added by industry but if these services are now purchased from specialised producers, the salaries of the employees will form part of the value added of the service sector. No change in the quantity of cleaning and security services produced may have occurred.

Note that for Australia and New Zealand, data refer to fiscal year.

Source

- OECD (2008), *National Accounts of OECD Countries*, OECD, Paris.

Further information

Analytical publications

- OECD (2008), *OECD Economic Outlook, June No. 83 – Vol. 2008/1*, OECD, Paris.

Statistical publications

- Maddison, Angus (2003), *The World Economy: Historical Perspectives*, OECD, Paris, also available on CD-ROM, www.theworlddeconomy.org.
- OECD (2008), *Quarterly National Accounts*, OECD, Paris.

Methodological publications

- OECD (2000), *OECD Glossaries, System of National Accounts, 1993 – Glossary*, OECD, Paris.
- UN, OECD, IMF, Eurostat (eds.) (1993), *System of National Accounts 1993*, United Nations, Geneva.

Online databases

- STAN: *OECD Structural Analysis Statistics – online database*.

Websites

- OECD National Accounts, www.oecd.org/std/national-accounts.

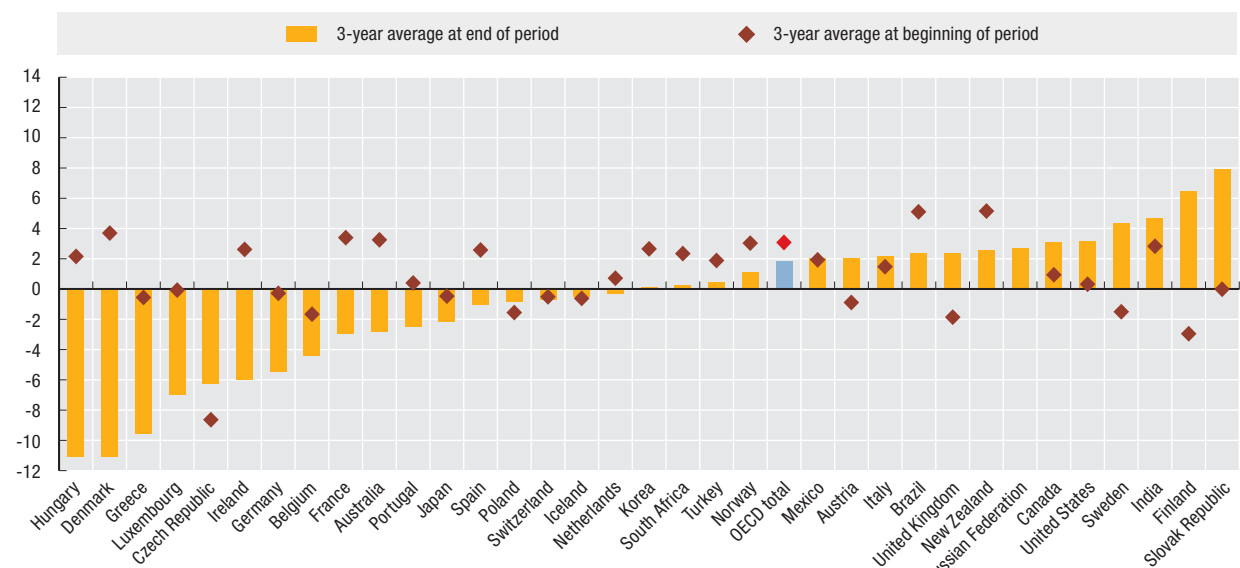

Real value added in agriculture, forestry and fishing

Annual growth in percentage

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Australia	-16.9	23.2	7.5	-0.5	10.2	5.2	4.1	3.2	-23.5	28.2	4.1	2.9	-17.7	8.3
Austria	5.6	-4.2	-3.8	-0.4	2.0	1.5	-5.4	-3.8	-4.3	-1.7	7.6	-1.8	-0.4	8.6
Belgium	-6.8	2.2	-0.2	2.7	2.9	2.9	4.2	-5.5	4.3	-7.6	5.3	-11.6	-4.3	3.4
Canada	1.3	1.4	0.1	-3.4	6.2	7.5	-1.8	-9.1	-5.2	10.8	9.2	2.6	-2.2	..
Czech Republic	-17.3	-4.9	-3.1	-13.4	6.1	5.3	4.1	-2.8	3.4	3.8	7.8	11.0	-16.2	-11.4
Denmark	3.7	5.2	2.2	2.1	2.4	-3.5	8.3	3.8	-3.7	1.0	-0.7	-7.3	-5.3	-19.8
Finland	-2.2	-3.8	-2.9	8.9	-9.0	-1.3	8.7	1.9	2.0	-7.0	1.5	3.7	-0.3	16.6
France	1.5	3.6	5.1	1.7	1.7	3.7	-1.4	-2.8	5.0	-15.3	20.5	-5.4	-1.5	-1.8
Germany	-9.4	5.2	4.0	3.4	-6.0	12.7	-0.4	3.8	-7.0	-5.5	29.4	-16.1	-3.2	4.1
Greece	5.9	-4.0	-3.3	0.4	2.3	3.5	-3.7	-1.2	-3.8	-5.7	4.9	1.4	-18.1	-10.8
Hungary	-0.4	2.7	4.2	-0.2	-1.4	0.9	-7.4	16.2	-9.9	-0.2	53.5	-3.5	-5.8	-22.6
Iceland	-4.8	-0.7	3.8	-0.6	-4.6	-2.3	-1.8	1.5	2.5	-2.9	3.9	-2.4	..	..
Ireland	..	..	7.0	2.1	-1.1	-1.2	1.2	0.8	-5.8	2.7	1.3	-15.2	-4.9	3.1
Italy	1.3	1.5	1.6	2.8	2.4	6.1	-2.4	-2.5	-3.1	-4.9	13.1	-4.4	-1.4	0.0
Japan	2.4	-6.0	2.4	-1.2	2.0	1.0	2.1	-2.4	6.0	-5.9	-7.1	3.6	-2.6	..
Korea	0.4	5.3	2.3	4.6	-6.4	5.9	1.2	1.1	-3.5	-5.3	9.2	0.7	-1.5	1.1
Luxembourg	-5.8	9.4	-3.2	-16.3	15.2	14.4	-13.0	-14.3	11.3	-12.3	0.3	-14.3	-6.2	0.1
Mexico	0.2	1.8	3.8	0.2	3.0	1.5	0.4	5.9	-0.9	3.8	2.9	-0.7	3.9	..
Netherlands	2.6	2.0	-2.4	7.4	-5.6	5.8	2.1	-4.5	-1.5	4.1	5.8	-0.5	-2.0	1.7
New Zealand	0.6	7.4	7.6	0.8	-4.2	4.5	2.7	1.7	-0.3	4.6	2.6	4.7	0.4	..
Norway	2.8	6.7	-0.3	-1.3	1.6	-0.2	-2.7	-2.7	9.0	0.5	12.4	-4.4	0.0	8.0
Poland	-14.9	10.2	1.7	0.2	3.6	-0.5	-4.1	6.6	1.0	2.7	6.8	-1.0	-2.2	0.7
Portugal	-2.1	-1.1	4.5	-8.3	-3.5	4.8	-4.2	-3.2	2.3	-2.3	5.8	-5.6	2.5	-4.2
Slovak Republic	8.1	-3.6	-4.1	13.7	-1.5	-8.7	2.0	14.1	19.4	5.3	-2.5	2.9	11.8	9.2
Spain	-4.7	-6.1	20.6	7.1	3.1	-1.0	7.3	-2.0	0.4	-0.5	-2.3	-8.2	2.5	3.0
Sweden	-3.7	0.2	-1.0	1.8	-5.6	2.2	2.7	4.9	0.5	0.9	7.7	-5.0	21.2	-1.4
Switzerland	-5.6	4.9	-0.6	-4.9	2.9	-1.7	7.8	-8.2	1.6	-9.2	11.4	-2.7	-4.3	5.2
Turkey	-0.7	2.0	4.4	-2.3	8.4	-5.7	7.1	-7.9	8.8	-2.0	2.8	7.2	1.4	-6.8
United Kingdom	-0.6	-2.1	-2.9	3.5	3.4	1.5	-0.8	-8.9	11.7	-1.7	-0.2	5.3	2.8	-0.9
United States	6.0	-10.0	5.8	10.3	4.7	11.7	12.7	-7.5	-2.9	11.6	2.8	12.5	-5.2	..
EU27 total	..	..	3.6	2.6	0.2	4.0	-0.4	-0.5	0.1	-4.5	11.1	-5.3	-1.4	-1.3
OECD total	..	..	3.8	3.2	2.2	4.5	3.7	-2.9	-0.5	0.8	5.3	..	..	..
Brazil	7.4	5.7	3.0	0.8	3.4	6.5	2.7	6.1	6.6	5.8	2.3	0.3	4.5	..
India	..	..	..	..	2.3	5.0	1.2	2.9	-3.2	4.9	1.8	5.0	4.0	5.1
Russian Federation	5.3	2.8	1.2	3.7	3.1
South Africa	7.9	-19.9	24.0	0.9	-5.3	6.2	4.7	-3.3	6.5	-2.1	1.4	5.5	-7.2	2.9

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Real value added in agriculture, forestry and fishing

Annual growth in percentage


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EVOLUTION OF VALUE ADDED BY ACTIVITY

Real value added in industry

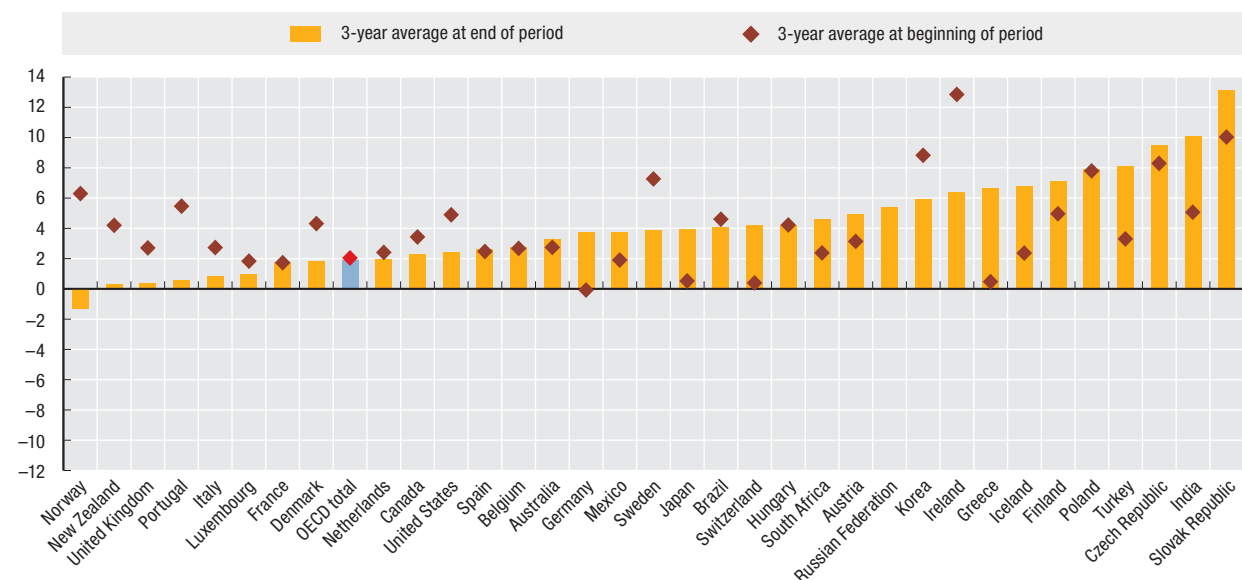
Annual growth in percentage

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Australia	3.7	2.7	1.8	4.6	3.2	3.1	-0.8	3.4	5.4	1.5	1.5	2.3	4.1	3.5
Austria	4.0	3.9	1.5	1.8	3.2	3.2	4.8	1.3	-0.1	1.4	3.2	3.3	7.2	4.3
Belgium	3.4	3.4	1.2	6.0	1.6	1.4	5.0	0.2	-1.0	-0.8	3.1	0.8	4.6	2.8
Canada	5.6	3.2	1.5	5.1	3.4	5.5	7.9	-2.1	2.2	0.6	2.8	2.8	1.2	..
Czech Republic	4.0	10.2	10.8	-5.0	-5.1	2.2	7.1	-1.8	2.8	-0.5	11.6	8.1	12.1	8.2
Denmark	8.1	5.5	-0.5	5.2	1.9	2.9	3.3	-1.6	-1.9	-1.2	1.6	0.9	3.9	0.6
Finland	6.7	2.8	5.4	8.9	8.2	5.5	9.6	3.6	3.0	2.6	4.6	3.4	9.6	8.4
France	2.8	3.4	-1.0	-0.4	3.9	2.8	4.4	2.4	0.1	1.2	1.2	1.7	1.5	2.1
Germany	3.2	-1.0	-2.4	2.4	0.5	0.8	4.5	-0.1	-1.8	-0.4	3.4	1.6	4.8	4.9
Greece	0.0	0.3	2.2	-1.1	7.4	2.3	5.4	8.7	-8.6	9.2	4.8	10.7	5.5	3.8
Hungary	5.7	5.7	1.3	10.8	7.5	6.7	8.2	1.7	3.4	4.3	3.6	3.5	4.9	4.2
Iceland	1.0	-0.6	6.8	6.5	3.6	2.8	6.8	4.2	-4.3	4.6	8.4	7.4	..	..
Ireland	..	..	8.8	16.3	13.6	12.9	9.2	6.8	9.3	1.7	4.0	4.4	5.3	9.4
Italy	4.2	3.8	0.2	0.5	0.8	0.3	3.7	0.8	0.2	-1.7	1.1	0.2	1.2	1.0
Japan	-2.3	0.7	3.2	1.4	-4.5	-0.6	2.7	-4.2	-1.8	2.4	4.8	3.8	3.2	..
Korea	9.5	9.8	7.2	4.5	-8.2	12.2	11.7	3.1	6.4	6.1	8.8	5.7	6.6	5.5
Luxembourg	3.7	2.2	-0.4	5.1	5.0	7.0	6.0	-0.1	6.1	1.7	3.3	3.1	-2.7	2.6
Mexico	5.0	-8.5	10.1	9.3	6.2	4.7	6.0	-3.6	0.0	-0.1	3.6	2.5	5.2	..
Netherlands	3.6	2.0	1.6	0.1	2.2	3.6	4.9	1.2	0.0	-2.3	2.7	0.9	1.9	3.0
New Zealand	6.2	2.8	3.6	0.2	-3.7	5.7	0.6	1.1	9.3	2.9	3.7	-1.0	-1.8	..
Norway	8.3	5.3	5.3	5.5	-1.8	-1.1	3.5	1.1	0.8	0.2	2.3	0.5	-3.3	-1.0
Poland	7.8	9.2	6.4	10.4	4.8	3.0	4.6	-2.4	-2.4	5.5	8.8	4.3	10.3	9.2
Portugal	3.5	6.1	6.8	6.9	3.7	1.2	3.8	2.1	-1.5	-2.2	0.4	-1.7	0.9	2.6
Slovak Republic	8.3	5.5	16.6	-4.9	7.7	-3.9	1.4	3.3	8.0	10.4	16.0	9.7	17.7	12.2
Spain	1.6	4.2	1.6	4.7	5.3	5.9	4.7	4.8	1.8	2.6	2.2	2.4	2.7	2.8
Sweden	9.8	10.4	1.8	4.9	5.8	7.6	6.5	-0.8	4.4	2.8	8.7	4.2	4.7	2.8
Switzerland	3.4	-0.2	-2.0	0.8	0.8	0.3	0.5	2.7	0.1	-0.1	1.3	3.6	5.1	3.9
Turkey	-4.9	8.4	6.9	9.4	1.8	-4.6	6.3	-9.1	4.6	7.8	11.8	8.7	10.2	5.4
United Kingdom	4.1	2.1	1.9	1.5	1.1	1.4	1.6	-0.8	-0.5	0.5	1.4	-0.7	0.7	1.0
United States	6.7	5.2	2.8	4.1	4.1	4.8	4.0	-4.1	0.8	1.1	4.7	1.4	1.2	..
EU27 total	..	..	0.1	2.4	2.2	2.3	4.2	1.0	0.0	0.6	2.8	1.7	3.5	3.4
OECD total	..	..	2.2	2.9	1.0	2.7	4.0	-2.1	0.3	1.3	4.0	..	..	..
Brazil	8.1	4.7	1.1	4.2	-2.6	-1.9	4.8	-0.6	2.1	1.3	7.9	2.1	2.3	..
India	..	..	..	..	4.0	4.2	7.0	2.3	6.3	7.1	9.9	9.9	10.8	9.6
Russian Federation	9.4	7.1	5.0	4.4	6.7
South Africa	2.3	3.2	1.6	2.6	-1.2	-0.2	5.1	1.9	2.7	0.8	4.3	4.5	4.5	4.8

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Real value added in industry

Annual growth in percentage


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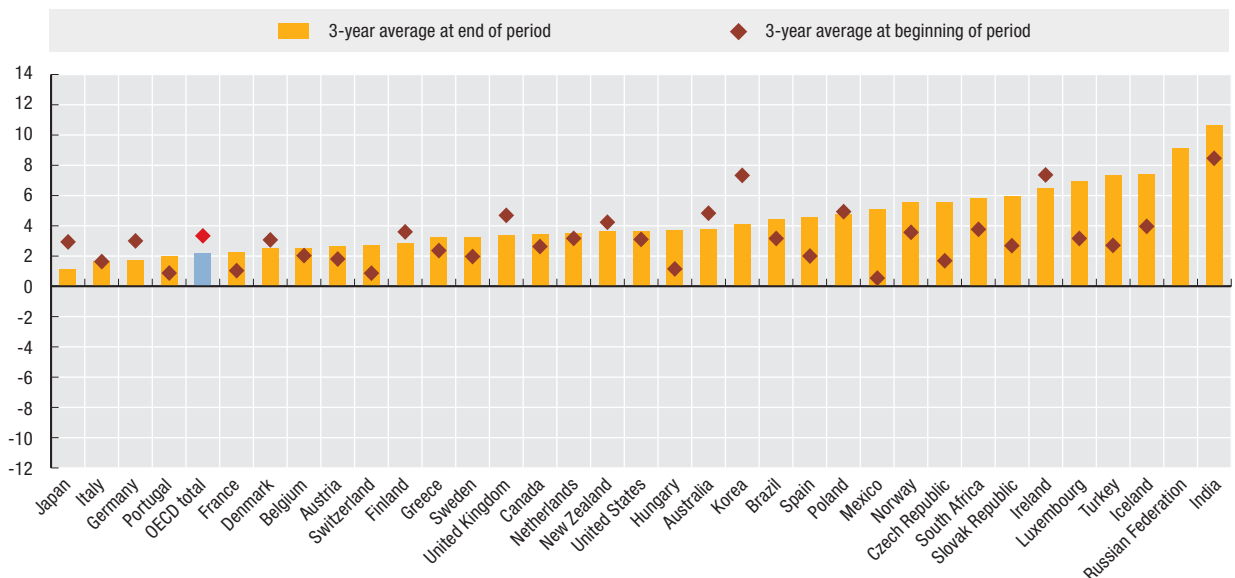

Real value added in services

Annual growth in percentage

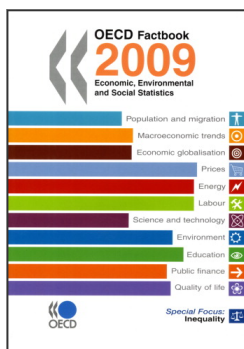
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Australia	5.8	3.9	4.8	4.2	5.9	4.4	3.5	3.8	3.7	4.0	3.3	3.3	4.1	4.0
Austria	2.1	1.2	2.1	3.5	3.6	2.9	3.3	0.6	2.6	0.8	2.3	3.1	2.4	2.5
Belgium	2.7	2.9	0.5	2.1	1.5	3.8	3.1	1.9	2.2	2.0	2.1	2.5	2.5	2.6
Canada	4.1	2.5	1.3	4.0	4.1	5.5	4.7	3.6	3.0	2.6	3.3	3.1	3.9	..
Czech Republic	3.3	2.5	-0.7	1.5	2.1	0.3	1.5	5.7	2.4	5.0	0.1	5.6	5.7	5.3
Denmark	3.6	2.2	3.4	2.3	1.9	3.0	4.6	1.5	1.3	0.9	1.6	2.0	2.9	2.6
Finland	2.6	4.6	3.6	4.5	4.2	3.5	3.3	2.5	0.4	0.5	3.4	2.4	3.4	2.8
France	1.2	0.4	1.5	1.9	2.8	2.9	3.7	1.7	1.1	1.5	2.4	2.0	2.4	2.4
Germany	2.2	3.7	3.1	1.6	2.9	2.2	3.4	2.1	1.3	0.1	0.5	0.9	2.2	2.0
Greece	0.8	3.9	2.4	5.0	3.0	1.9	5.0	2.5	8.6	6.4	6.1	0.6	4.1	5.1
Hungary	4.5	-3.3	2.4	2.5	3.8	3.2	4.0	3.8	5.0	4.2	2.8	4.8	5.0	1.3
Iceland	3.7	2.6	5.6	5.1	9.1	7.3	6.9	4.8	0.0	4.3	7.5	10.6	..	..
Ireland	..	..	8.3	8.2	5.6	7.2	8.4	7.8	4.8	5.1	6.0	6.8	5.7	6.9
Italy	1.3	2.2	1.4	2.0	1.3	1.4	4.0	2.4	0.9	0.4	1.6	1.1	2.1	1.8
Japan	2.6	3.2	3.0	1.9	-0.5	0.6	1.9	2.1	1.7	1.2	1.1	1.9	0.5	..
Korea	7.7	8.1	6.2	5.1	-3.9	6.6	6.1	4.8	7.8	1.6	1.9	3.4	4.2	4.8
Luxembourg	5.0	2.5	2.0	5.4	6.4	8.2	8.1	4.2	3.4	1.4	4.3	6.0	8.9	6.0
Mexico	5.3	-6.3	3.0	6.6	4.8	3.8	7.6	1.6	1.8	2.5	4.7	4.3	5.4	..
Netherlands	2.4	3.3	3.8	5.6	4.7	4.8	3.7	2.3	0.3	1.3	2.2	2.6	4.1	3.8
New Zealand	4.8	4.5	3.4	2.7	2.5	5.0	3.1	5.2	4.1	3.3	4.2	3.8	3.0	..
Norway	3.5	2.8	4.4	5.4	4.8	3.8	3.5	2.4	1.2	1.5	3.6	3.9	5.7	5.7
Poland	4.7	4.5	5.6	5.1	5.0	5.4	4.4	2.8	3.1	2.9	3.5	3.2	4.6	5.9
Portugal	-2.4	3.0	2.1	3.8	4.7	3.9	4.4	2.9	1.6	0.4	2.0	2.0	1.8	2.1
Slovak Republic	-1.0	6.9	2.3	13.4	0.4	2.9	-0.1	5.1	0.9	0.6	-1.3	3.4	4.8	9.7
Spain	2.0	2.6	1.4	2.9	3.8	4.3	5.1	3.6	3.0	3.0	3.8	4.3	4.4	4.6
Sweden	2.0	2.4	1.5	1.7	3.1	3.4	4.2	1.4	1.6	1.7	2.8	3.1	4.0	2.7
Switzerland	0.3	0.4	1.9	2.2	3.3	0.9	4.3	0.7	0.7	-0.3	2.7	2.1	2.9	3.2
Turkey	-2.3	5.5	5.1	6.3	3.4	-1.0	6.4	-0.2	4.4	3.7	9.6	8.6	7.2	6.3
United Kingdom	7.1	3.4	3.6	4.1	5.1	4.5	4.7	3.6	2.4	3.5	3.2	2.9	3.6	3.7
United States	2.5	2.8	4.0	5.0	5.3	4.4	3.5	2.6	1.5	2.8	3.3	3.7	4.0	..
EU27 total	..	..	2.5	2.8	3.3	3.1	4.0	2.5	1.8	1.7	2.2	2.3	3.1	3.0
OECD total	..	..	3.2	3.5	3.3	3.2	3.6	2.5	1.8	2.1	2.6	..	..	..
Brazil	4.0	3.2	2.2	2.6	1.1	1.2	3.6	1.9	3.2	0.8	5.0	3.7	4.2	..
India	..	..	..	..	10.1	8.2	7.1	6.5	7.3	8.5	8.1	10.2	11.3	10.5
Russian Federation	6.6	7.2	7.3	10.1	10.0
South Africa	2.8	4.3	4.2	2.6	2.0	3.9	4.1	3.6	4.2	4.5	5.2	5.2	6.1	5.4

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Real value added in services

Annual growth in percentage


 StatLink  <http://dx.doi.org/10.1787/535338667344>

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