



Weekly

BREXIT WATCH

2017 Week 21

Brexit Watch - Week 21

The weekly Brexit Watch report monitors the short-term UK macro economic indicators to assess the impact of the referendum vote and the subsequent triggering of Article 50 on UK economy. The report also monitors indicators in 4 manufacturing industries, namely, Electrical (SIC 27), Electronic (SIC 26), Mechanical (SIC 28) and Fabricated Metals (SIC 25).

The emphasis of this report is to monitor what has happened as opposed to what will happen. All the data with exception to exchange rates and OECD indicator come from the Office for National Statistics (ONS).

To make it easy to differentiate between trends before and after the referendum vote, each chart has a vertical purple line which marks 23rd of June 2016, the date of the referendum.

The main points at the end of week 21 in 2017 are as follows:

- **Sterling** recovery stalled in week 21, but the average **exchange rate** with the **US Dollar** in the first 26 days of May 2017 was still 2.3% higher than April 2017 average.
- **Input prices** increased by 16.6% in April 2017 compared to a year ago; a slight decrease from 17.9% recorded in March 2017.
- **Consumer price index** grew by 2.7% in the 12 months to April 2017, the highest year on year growth since September 2013.
- **Index of production** fell by 0.6% in March 2017 compared with February 2017 but grew by 1.4% compared to March 2016.
- The second estimate of UK **GDP** growth in first quarter of 2017 was revised down to by 0.2% to £471.4 billion.
- **Business investment** for all industries grew by 0.6% to £43.8 billion in 2017 Q1.
- **Exports trade value** grew by 1.3% in March 2017 to £49.0 billion.
- **Construction output**, at constant prices, dropped by 0.7% in March to £11.5 billion compared to February 2017, but compared to March 2016, the output grew by 2.4%.
- **Turnover** for **Mechanical** manufacturing industry grew by 16.9% in March 2017 compared to March 2016, the highest growth since May 2011. **Electronics** grew by 8.9%, **Electrical** grew by 8.6% and **Fabricated Metals** grew by 3.9% in the 12 months to March 2017.

May 2017
E Amoakohene

Contents

Glossary	4
1 Exchange Rates	5
2 Producer Prices	6
3 Consumer Prices	7
4 Production	8
5 GDP & Unemployment	9
6 Business Investment	10
7 Construction	11
8 UK Trade	12
8.1 Exports	12
8.2 Imports	13
8.3 Goods Trade: Ranking by Region	14
8.4 Goods Trade: Ranking by Country - Top 16	15
8.5 Goods Trade: Growth Ranking by Country - Top 16	16
9 Economy At a Glance	17
9.1 Growth: 12-month % growth	17
9.2 Growth: 4-quarter % growth	18
10 Industry Level Indicators	19
10.1 Turnover	19
10.2 Exports	20
10.3 Index of Production	21
10.4 Employment (excluding Self-Employment)	22
11 Growth Cycles	23
11.1 About Growth Cycles	23
11.2 Exchange Rate (USD)	23
11.3 OECD Composite Leading Indicator - UK	24
11.4 Exports - Value (IKBH)	24
11.5 Exports - Volume Index (BQKU)	25
11.6 Input Prices (K646)	25
11.7 Gross Domestic Product - GDP (ABMI-PN2)	26
11.8 Manufacturing Output (JT27)	26
11.9 Current State	27
Appendices	28

Glossary

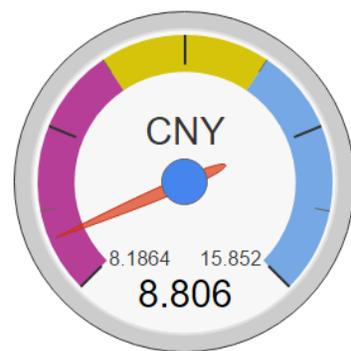
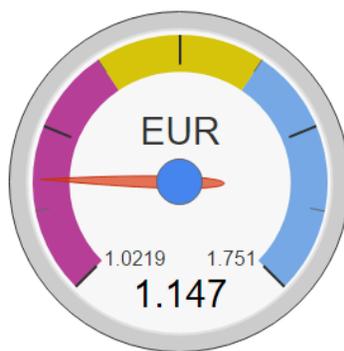
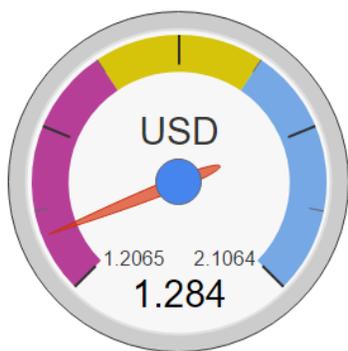
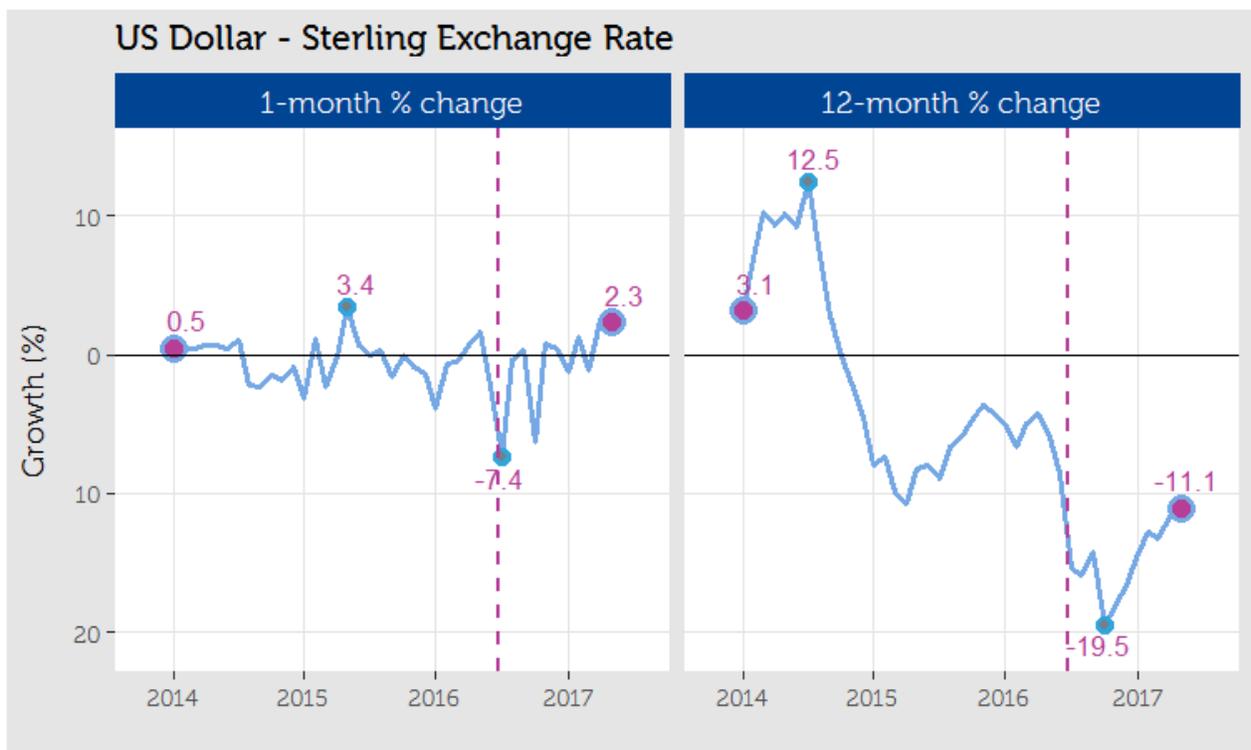
BEAMA	British Electrotechnical & Allied Manufacturers Association	IOS	Index of Services
CESA	Catering Equipment Suppliers Association	MAA	Moving Annual Average
CNY	Chinese Yuan	MAT	Moving Annual Total
CPI	Consumer Price Index	MTA	The Manufacturing Technologies Association
CPIH	Consumer Prices Index including owner occupiers' housing costs	NMI	UK Electronic Systems & Technology Industry
EAMA	Engineering and Machinery Alliance	OECD	Organisation for Economic Co-operation and Development
ECB	European Central Bank	ONS	Office for National Statistics
EUR	Euro	PPI	Producer Price Index
GAMBICA	Trade Association for Instrumentation, Control, Automation and Laboratory Technology	REA	The Renewable Energy Association
GDP	Gross Domestic Product	RPI	Retail Price Index
HMRC	HM Revenue & Customs	SIC	Standard Industry Classification
IOM	Index of Manufacturing	USD	US Dollar
IOP	Index of Production	YOY%	Year on Year or Annual Percentage change

1 Exchange Rates

The average Sterling exchange rate with the **US Dollar** for the first 26 days in May 2017 grew by 2.3% compared with April 2017 average. Compared to May 2016 average, the rate is down by 11.1%. It is the 32nd successive year on year decline.

The month to date average rate for the **Euro** in May 2017 was however 0.6% lower than the average for April 2017.

At the end of 2017 week 21, the **US Dollar** was trading at \$ 1.2841/GBP, **Euro** at € 1.1469/GBP and the **Chinese Yuan** at ¥8.8063/GBP.

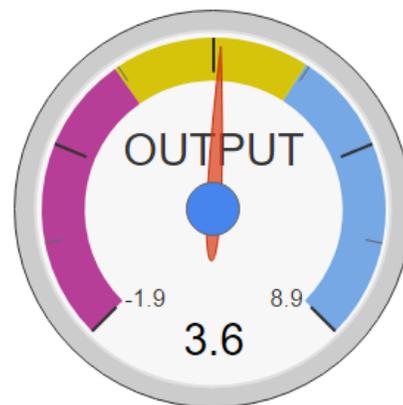
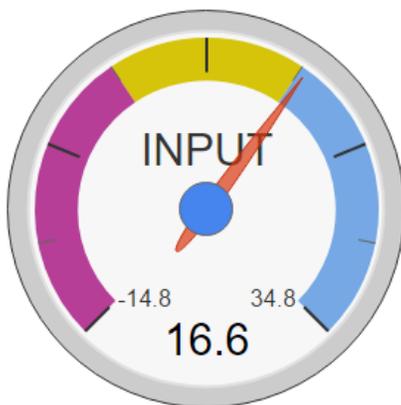
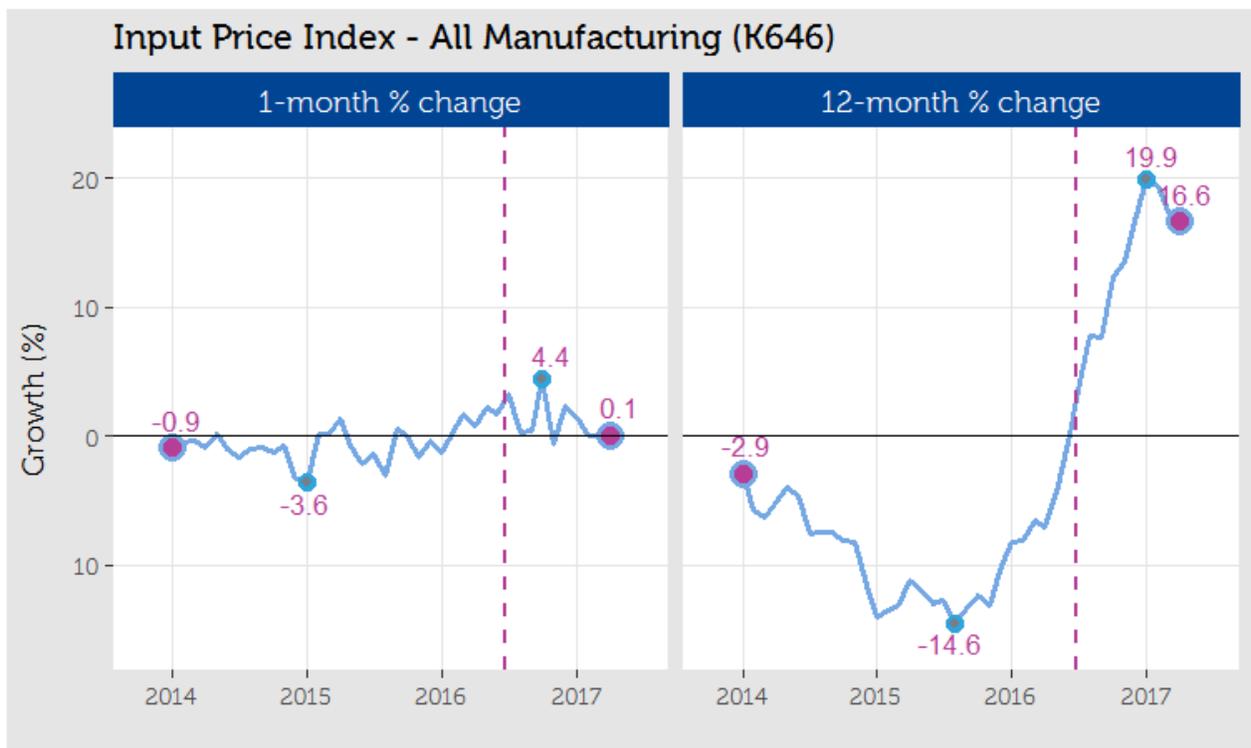


[Gauge charts based on exchange rates since January 1999]

2 Producer Prices

The **input price** index for all manufacturing grew by 0.1% between March and April 2017. Compare to April 2016, input price index grew by 16.6%, a decrease from 17.9% recorded in March 2017. The main contributors were crude oil, imported metals and home-produce food. It is the 10th successive year on year growth.

Factory gate (Output) prices for all manufacturing rose by 0.4% between March and April 2017 and grew by 3.6% compared to April 2016, unchanged from previous month.

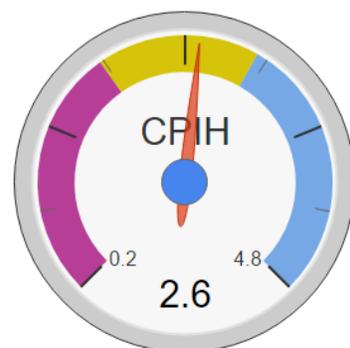
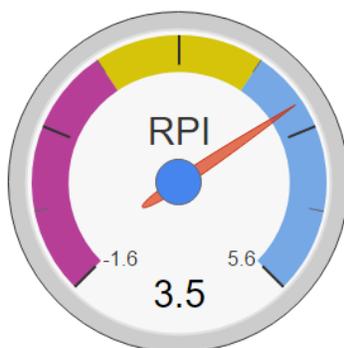
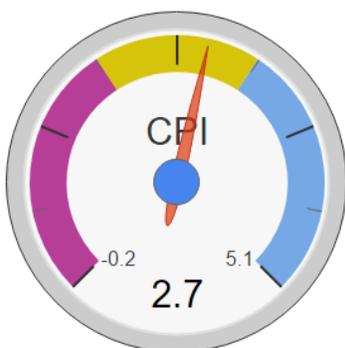
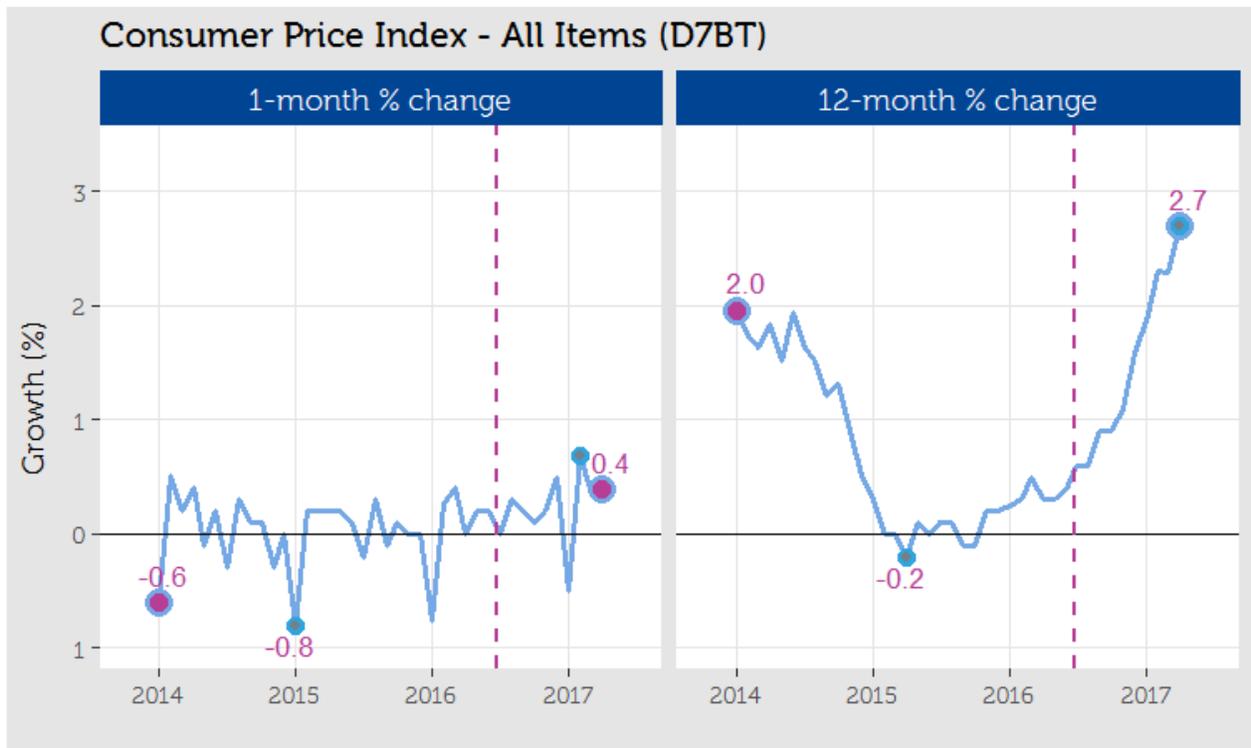


[Gauge Charts: 12-month % change since Jan 2000, INPUT = Input price, OUPUT=Factory gate prices]

3 Consumer Prices

Consumer price index in April 2017 grew by 0.4% compared to March 2017. Compared to a year ago the index grew by 2.7%. Price increases in air fares and clothing were the main contributors. It is the 18th successive year on year growth and the highest since September 2013.

The **retail price index** grew by 0.5% between March and April 2017 and also grew by 3.5% in the year to April 2017.



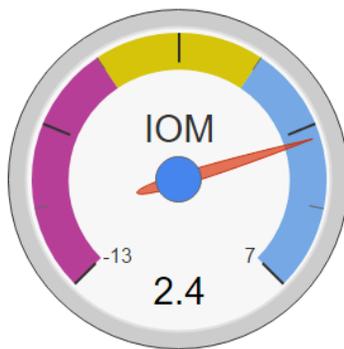
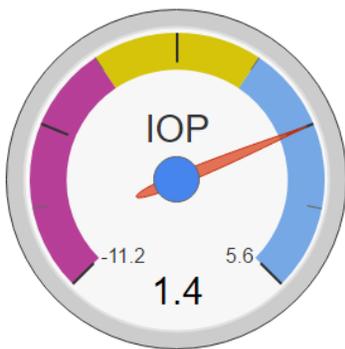
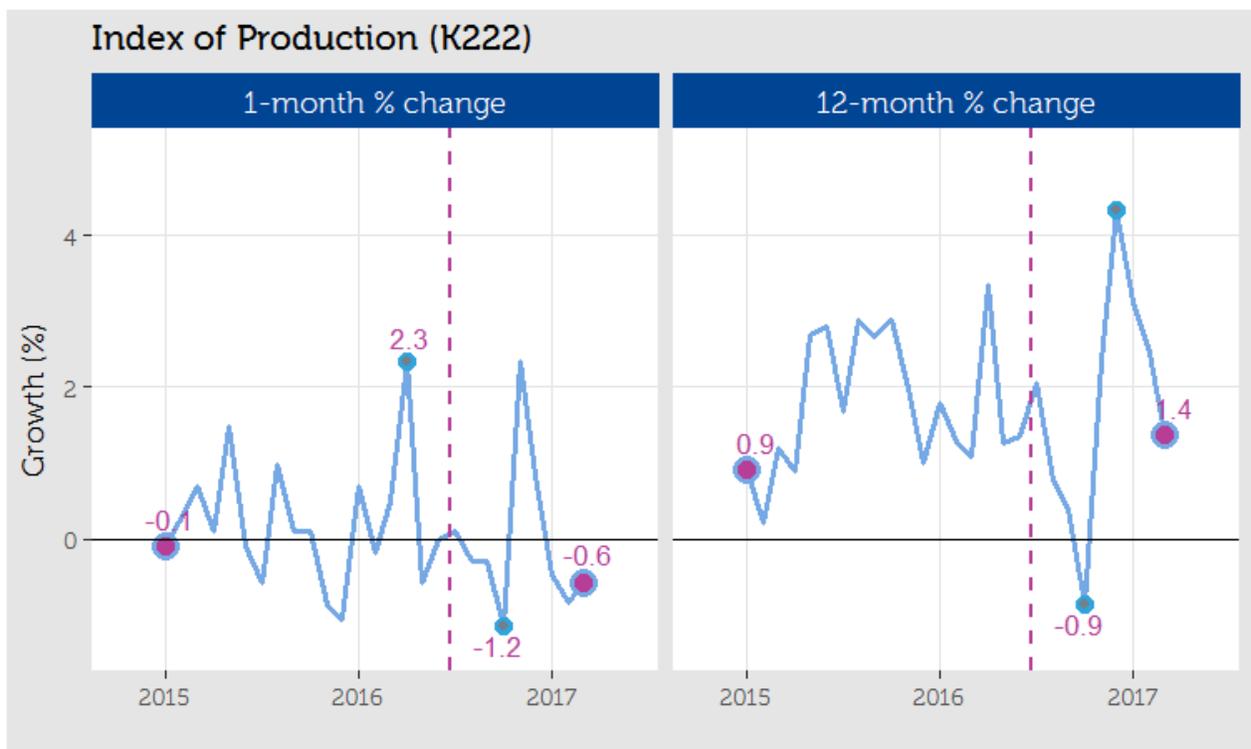
[Gauge Charts: 12-month % change since Jan 2000; CPIH data starts from Jan 2005]

4 Production

Index of production (IOP) dropped by 0.6% between February and March 2017. Compared to March 2016, production rose by 1.4%.

Between February and March 2017 **index of manufacturing (IOM)** fell by 0.5% but grew by 2.4% in the year to March 2017. It is the 5th successive annual growth.

Index of services (IOS) grew by 0.2% between February and March 2017 and also grew by 2.8% compared to March 2016. It is the 86th consecutive annual growth.

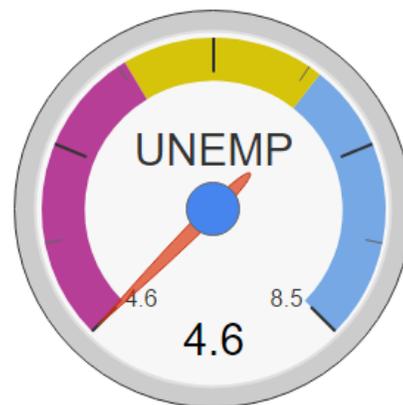
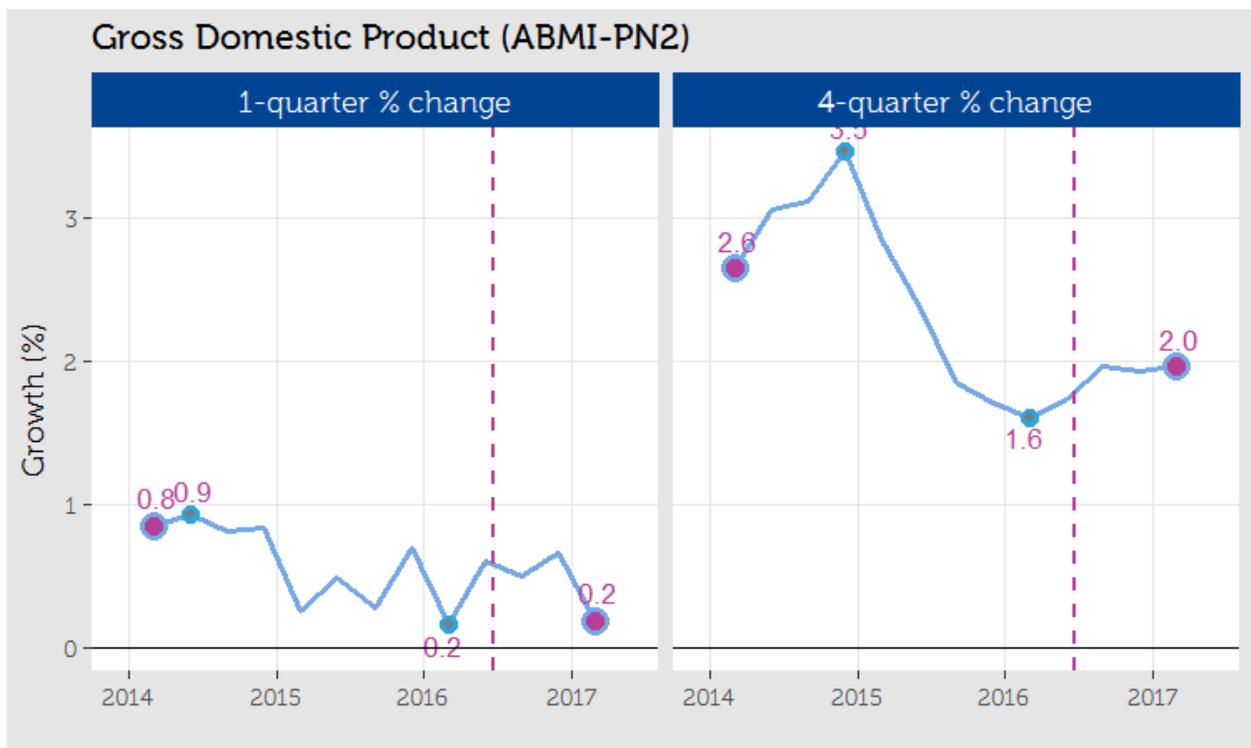


[Gauge Charts: 12-month % change since Jan 2000]

5 GDP & Unemployment

The second estimate of UK **gross domestic product** (GDP), in volume terms, was revised down 0.1% points to 0.2% in 2017 Q1 compared with 2016 Q4. This is equivalent to £471,388 million and a growth of 2.0% compared to 2016 Q1. It is the 29th successive year on year growth.

The number of people in work increased by 122,000 in the 3 months to March 2017 to 31.95 million. **Unemployment** rate stays at 4.6%, the lowest since August 1975

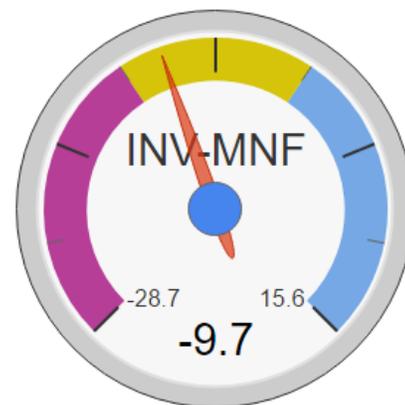
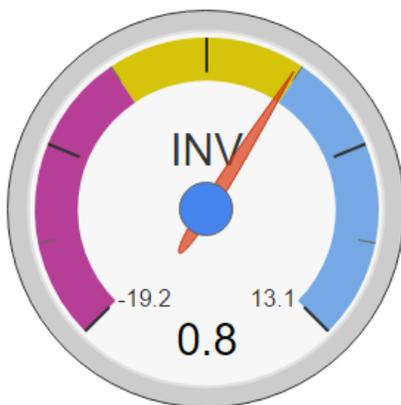
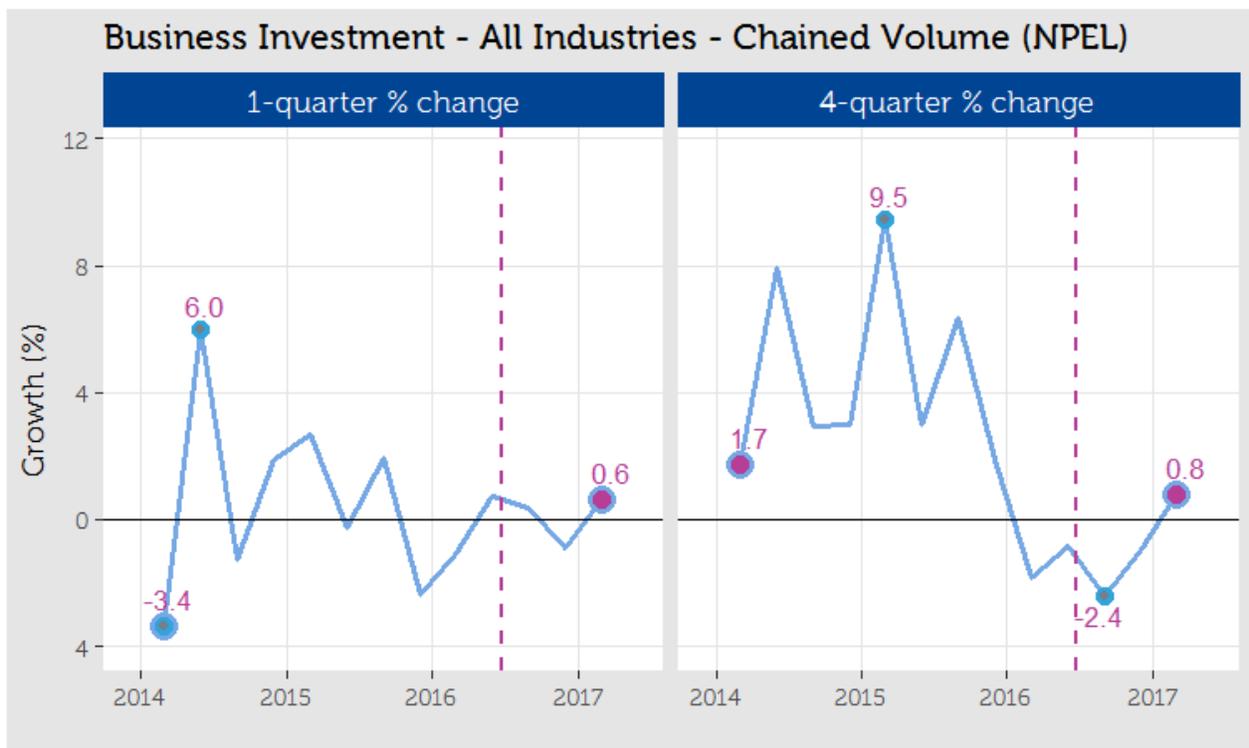


[Gauge Charts: GDP = 4-quarter % change since Jan 2000, UNEMP = Unemployment rate since 2000]

6 Business Investment

Business investment for all industries (INV), in volume terms, increased by 0.6% to £43.8 billion in 2017 Q1 compared with 2016 Q4. Compared with 2016 Q1, business investment also grew by 0.8%. It is the first year on year growth after 4 successive declines.

Investment in **manufacturing industries** (INV-MNF), in volume terms, fell by 9.9% in 2016 Q4 compared with 2016 Q3 and also fell by 9.7% compared with 2015 Q4. It is the 6th successive year on year quarterly decline.

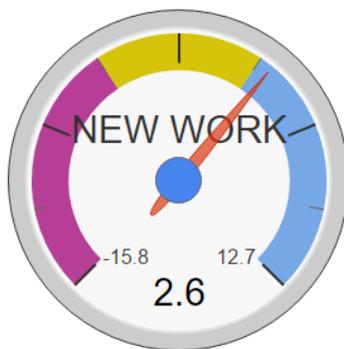
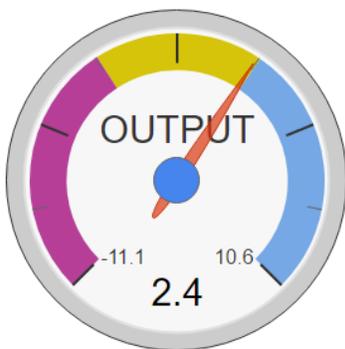
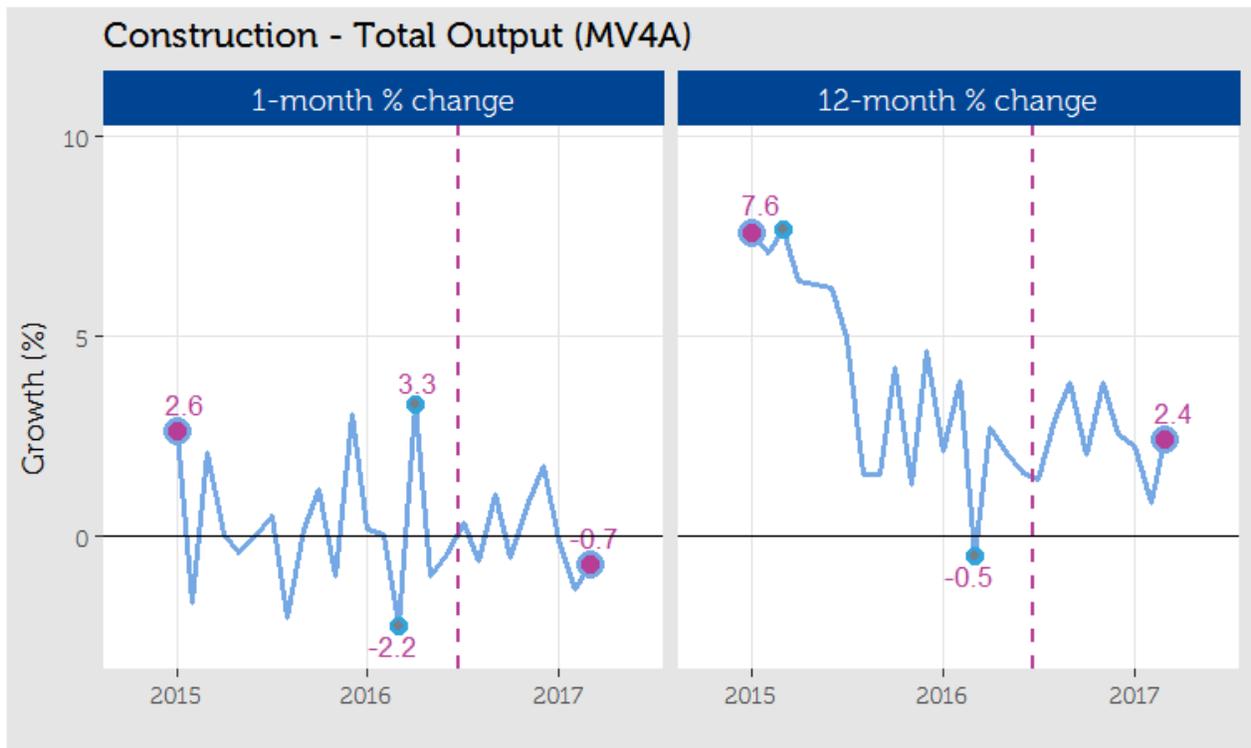


[Gauge Charts: 4-quarter % change since 2007]

7 Construction

Total **construction output**, at constant prices, fell by 0.7% to £11.5 billion in March 2017 compared to February 2017. Compared to March 2016, output in March 2017 grew by 2.4%. It is the 12th successive annual growth.

New construction work, grew by 2.6% and **construction repairs** also grew by 2.1% in March 2017 compared to 12 month ago.



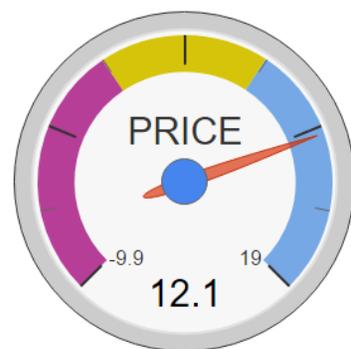
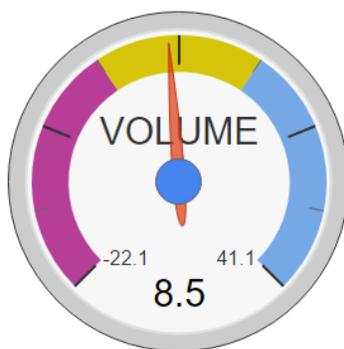
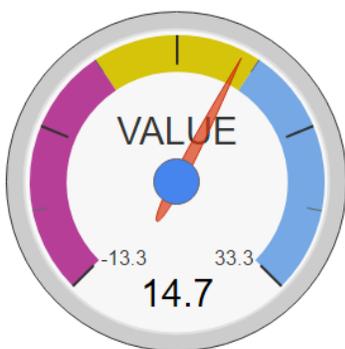
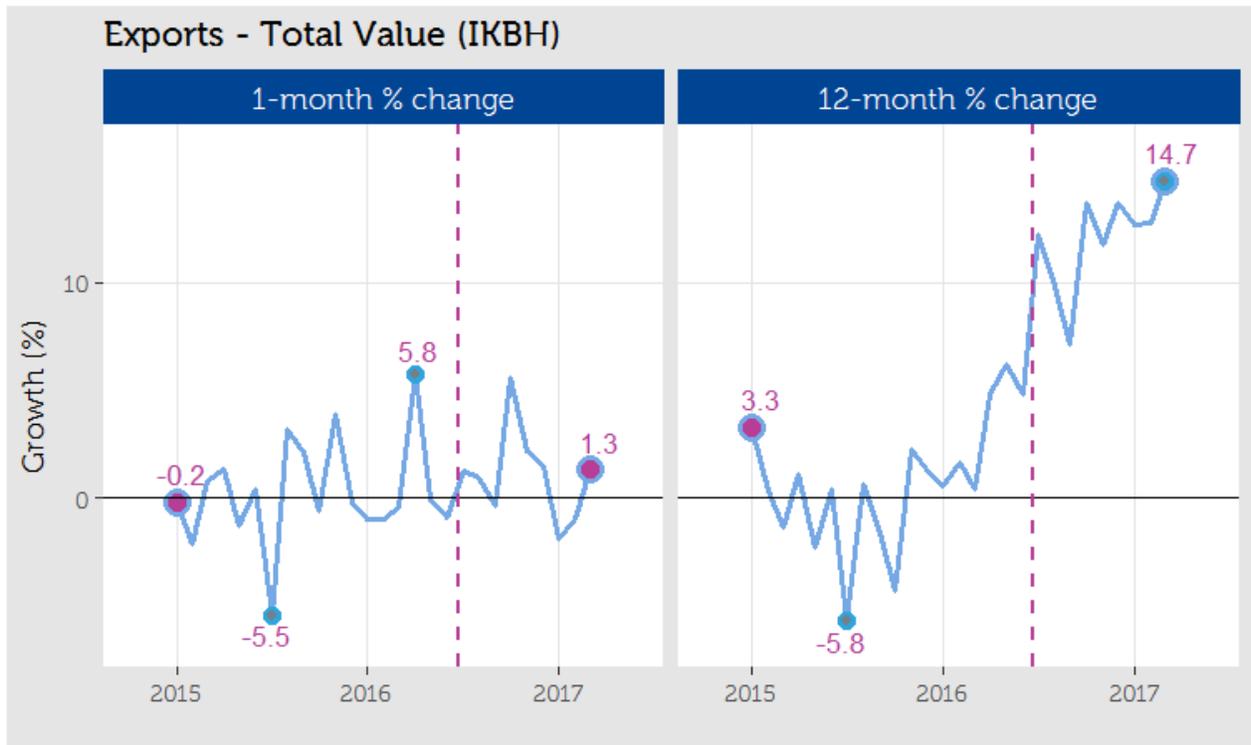
[Gauge Charts: 12-month % change since Jan 2010, OUTPUT = Total Construction Output, NEW WORK = Total Construction New Work, REPAIRS = Total Repairs, Maintenance and Infrastructure]

8 UK Trade

8.1 Exports

The **value** of UK **exports** grew by 1.3% in March compared to February 2017. Compared to March 2016 exports grew by 14.7% to £49 billion. It is the 17th successive annual growth.

Volume of UK **exports** grew by 8.5% in March 2017 compared with March 2016. It is the highest 12-month growth since November 2015.

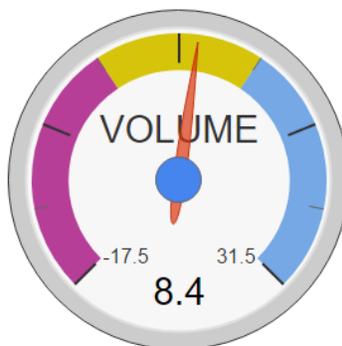
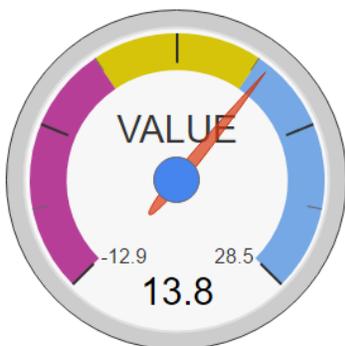
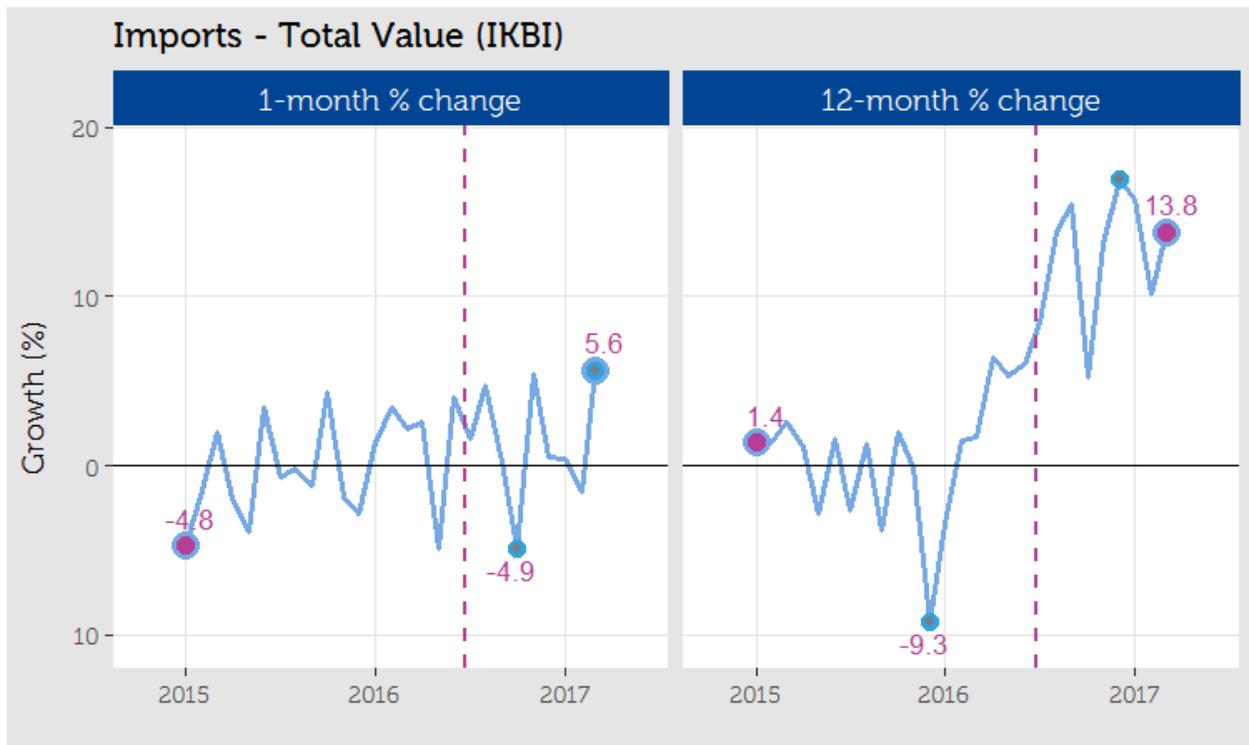


[Gauge Charts: 12-month % change since Jan 2000, VALUE = Total Export Value, VOLUME = Export Volume Index, PRICE = Export Price Index]

8.2 Imports

The **value** of UK imports grew by 5.6% in March compared with February 2017, the highest 1-month growth since December 2014. Compared to March 2016 imports grew by 13.8% to £53.9 billion. It is the 14th successive annual growth.

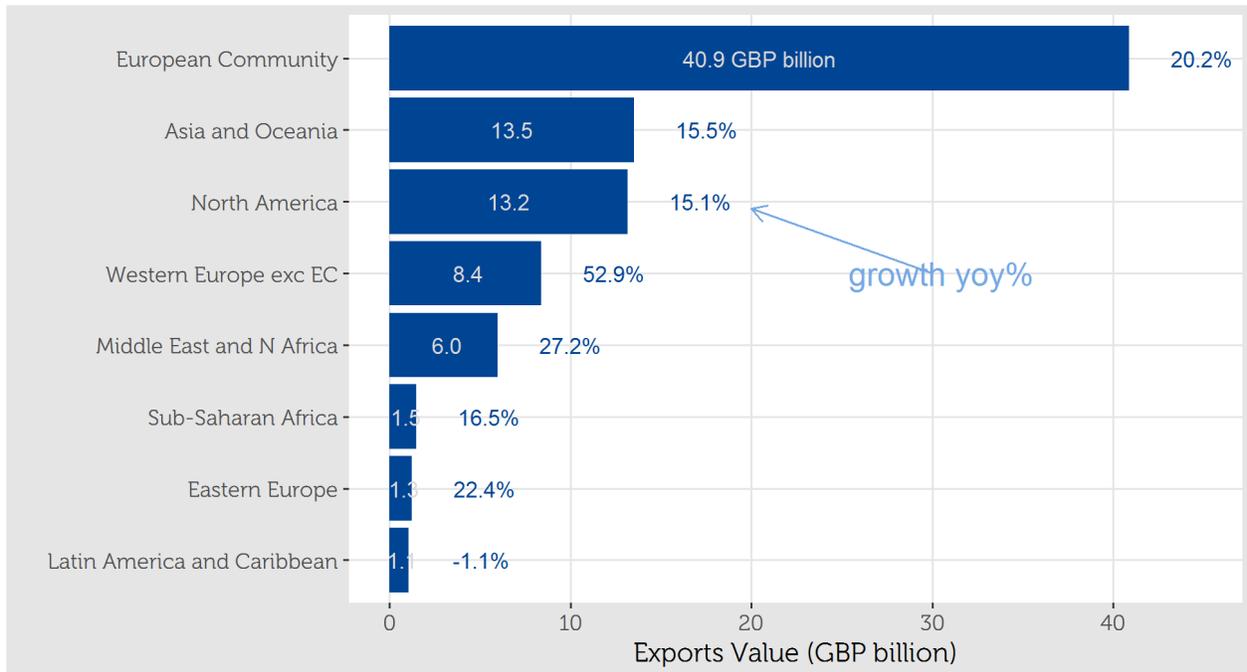
UK imports on **volume** basis grew by 8.5% in March 2017 compared with February 2017, the first month on month growth after 3 successive declines. Compared to a year ago the volume of import grew by 8.4%.



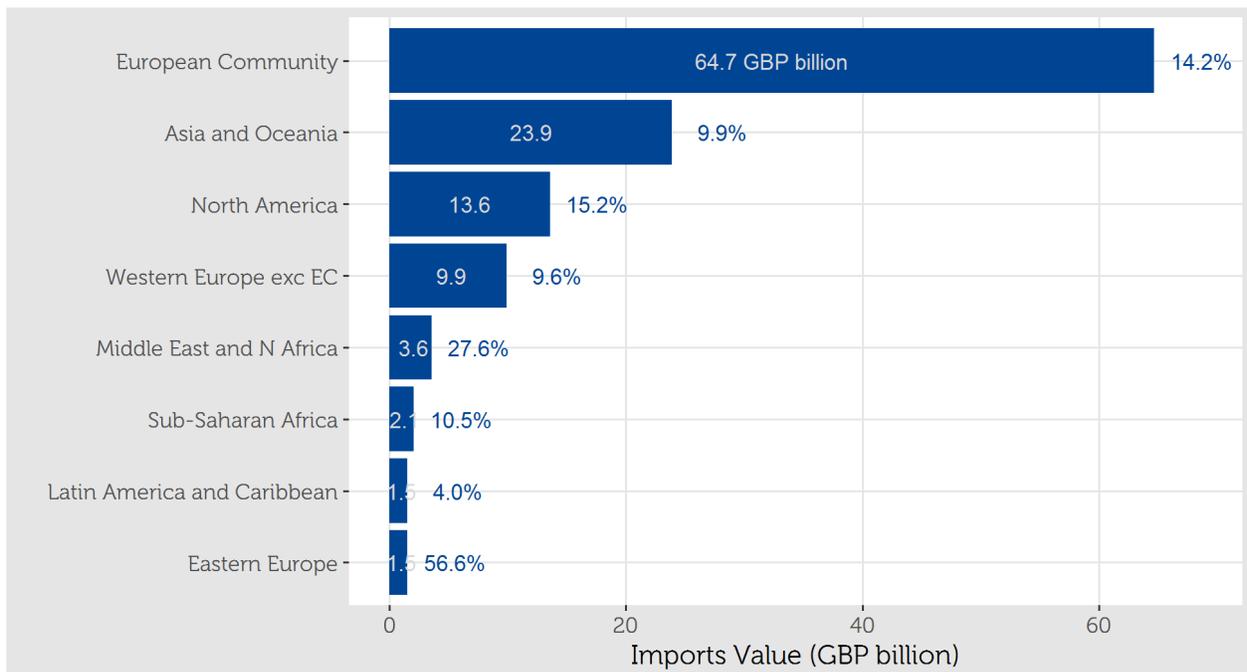
[Gauge Charts: 12-month % change since Jan 2000, VALUE = Total Import Value, VOLUME = Import Volume Index, PRICE = Import Price Index]

8.3 Goods Trade: Ranking by Region

8.3.1 Exports - 2017 (Jan - Mar)

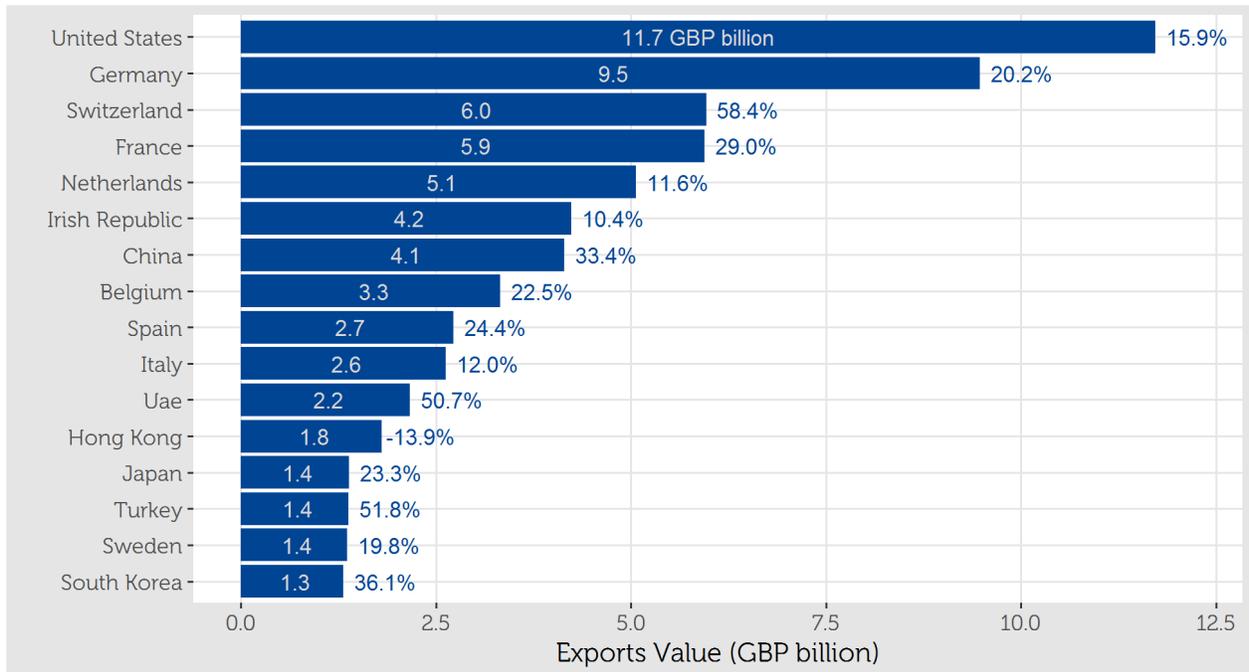


8.3.2 Imports - 2017 (Jan - Mar)

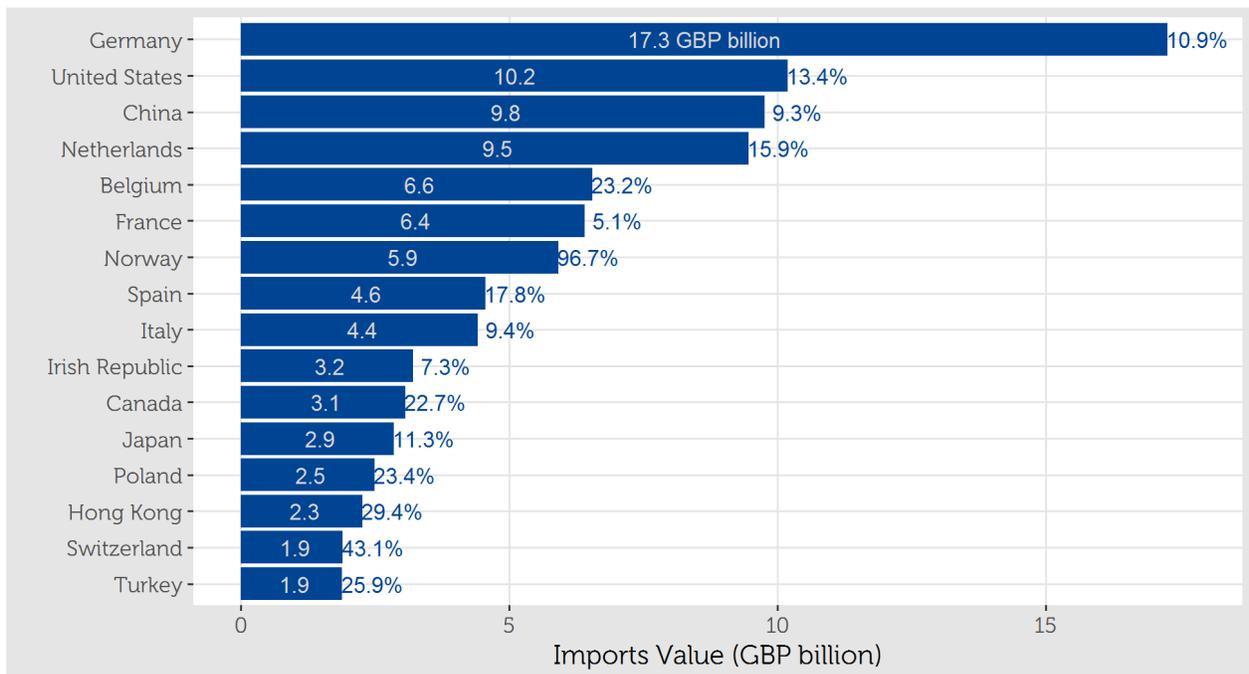


8.4 Goods Trade: Ranking by Country - Top 16

8.4.1 Exports - 2017 (Jan - Mar)

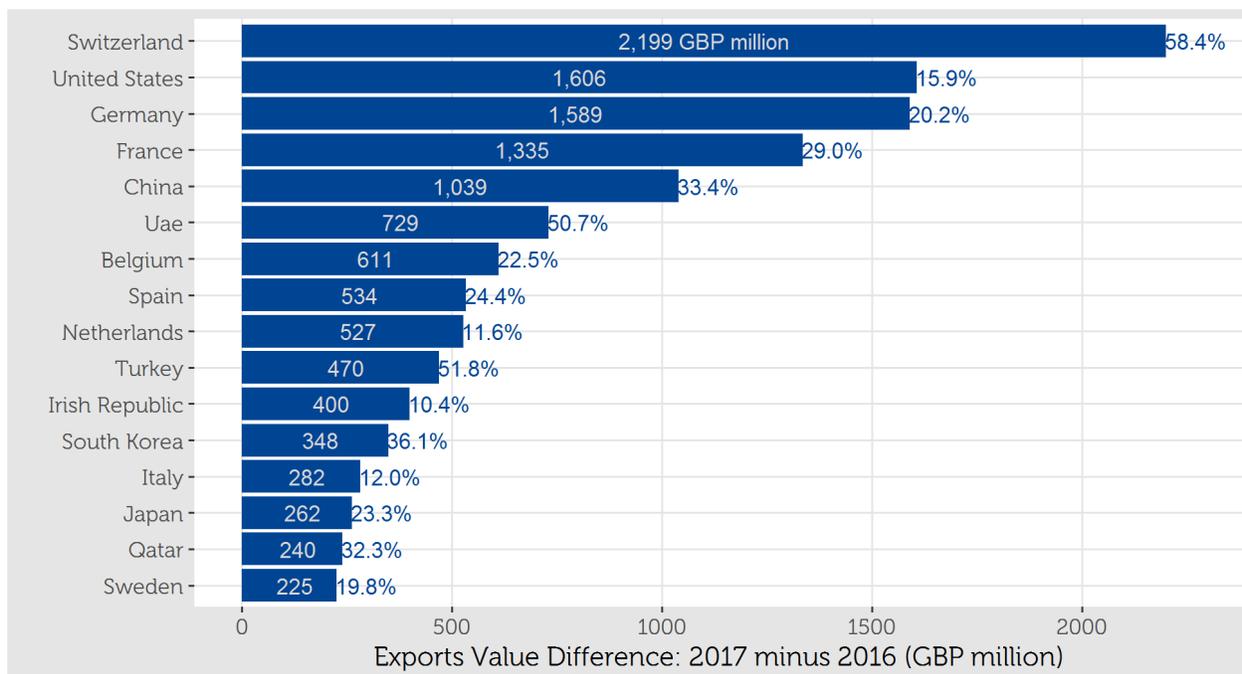


8.4.2 Imports - 2017 (Jan - Mar)

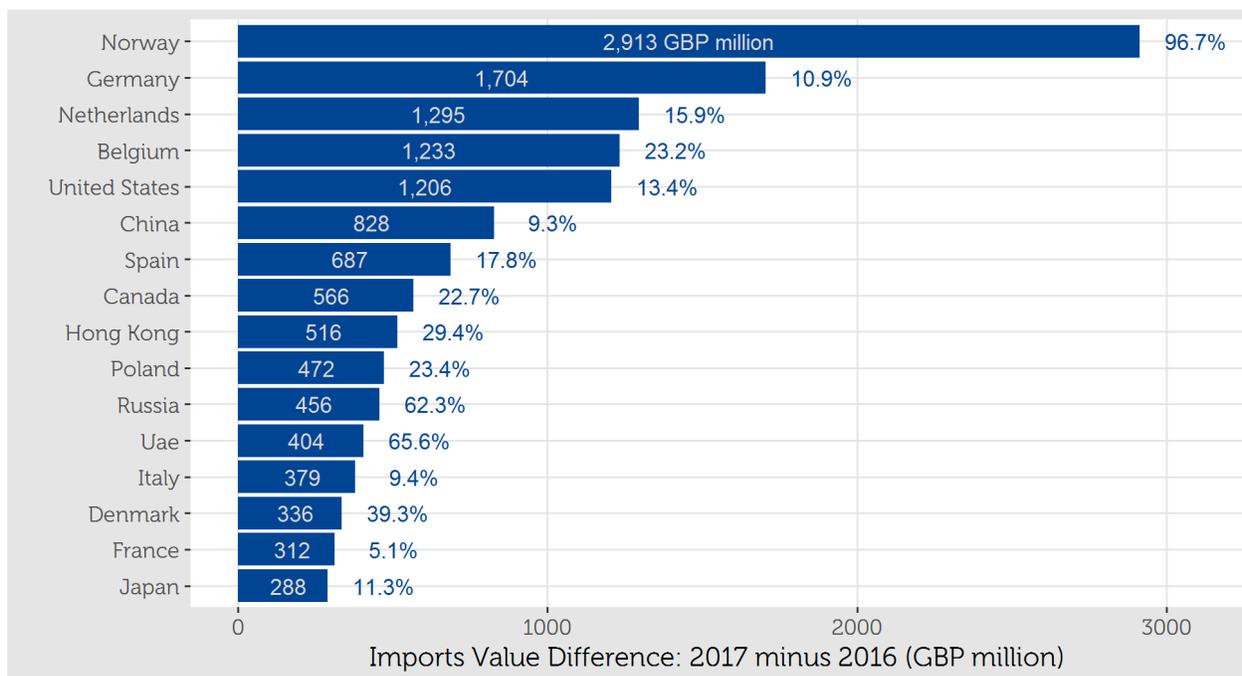


8.5 Goods Trade: Growth Ranking by Country - Top 16

8.5.1 Exports Value Growth - 2017 (Jan - Mar)

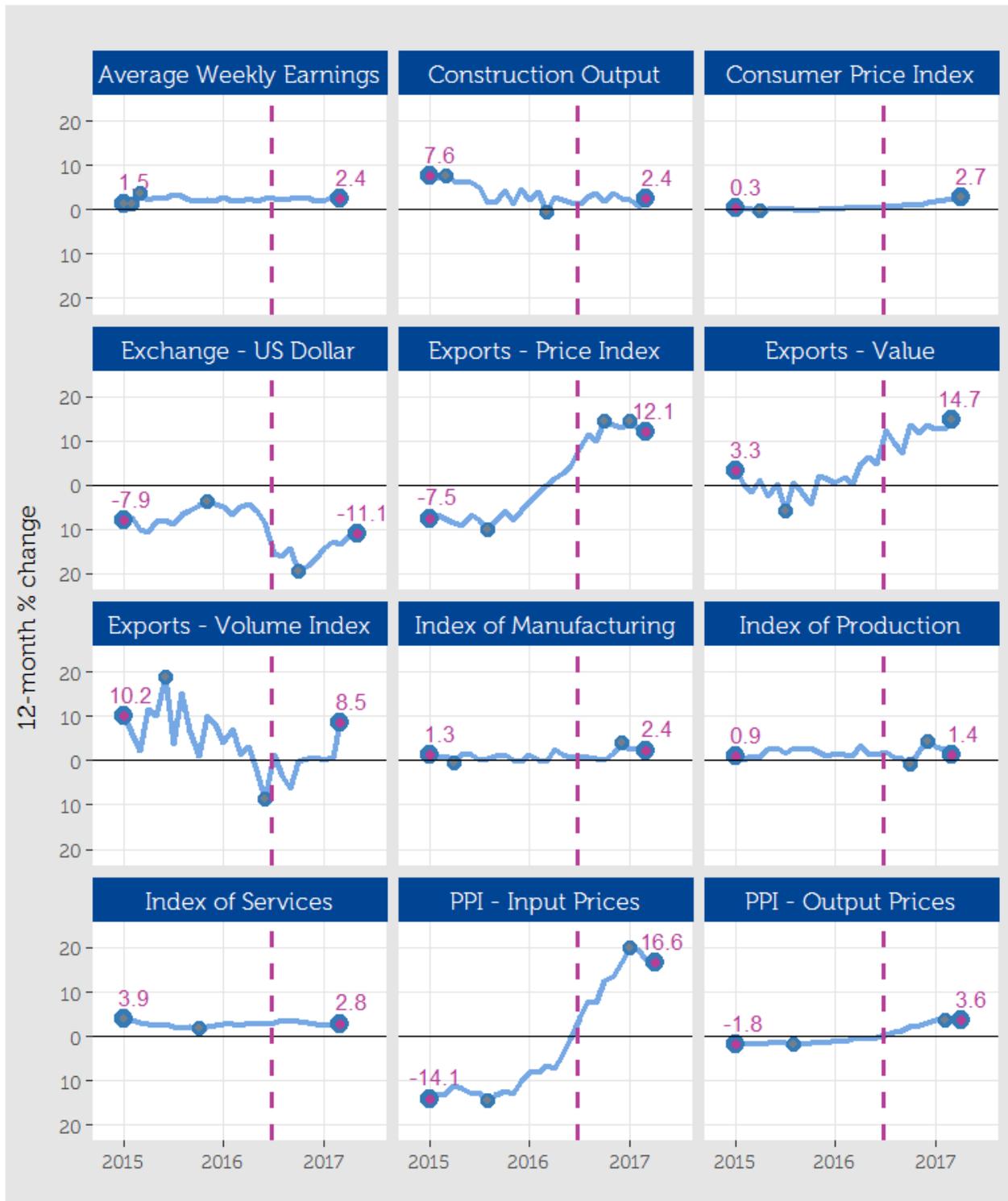


8.5.2 Imports Value Growth - 2017 (Jan - Mar)

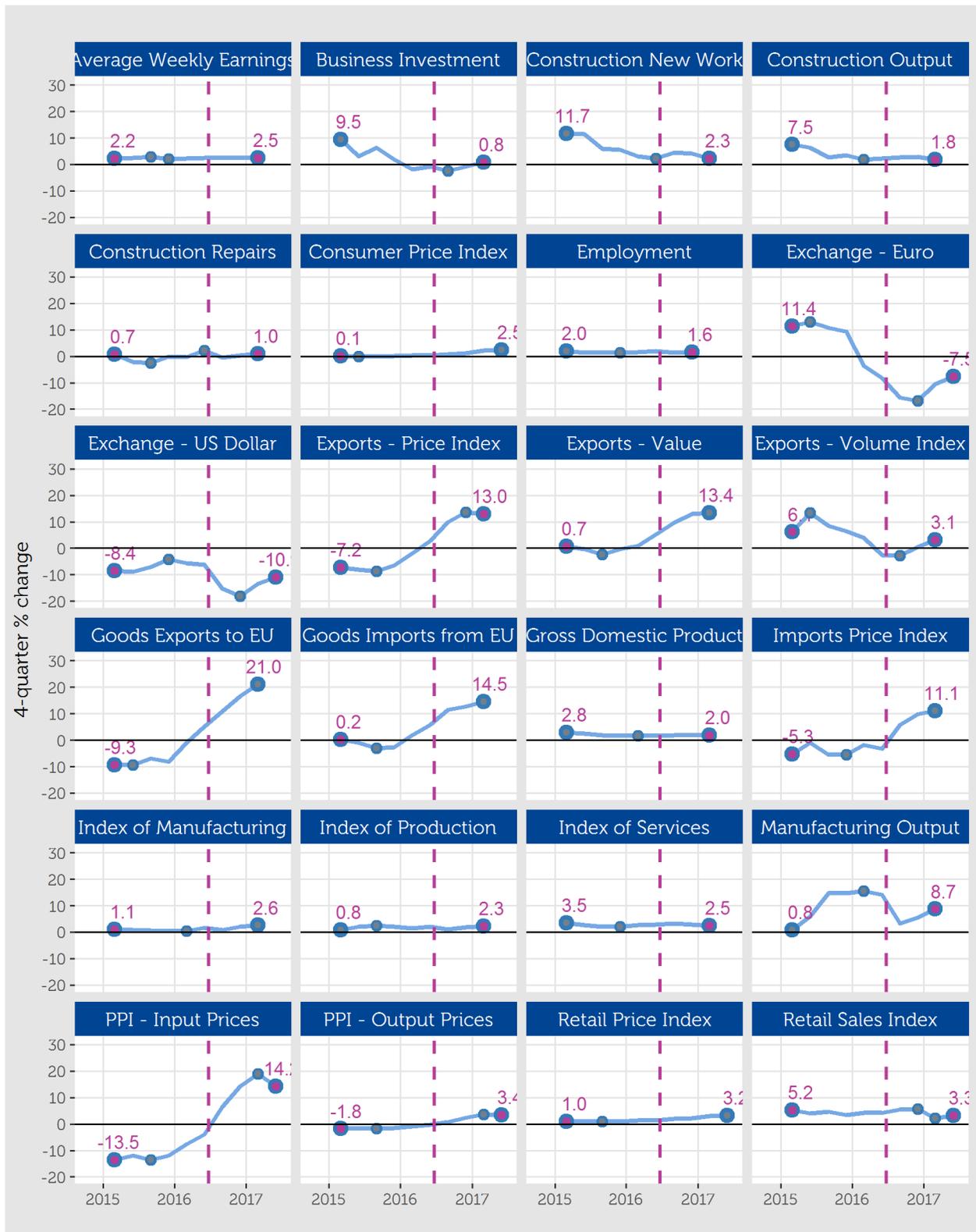


9 Economy At a Glance

9.1 Growth: 12-month % growth

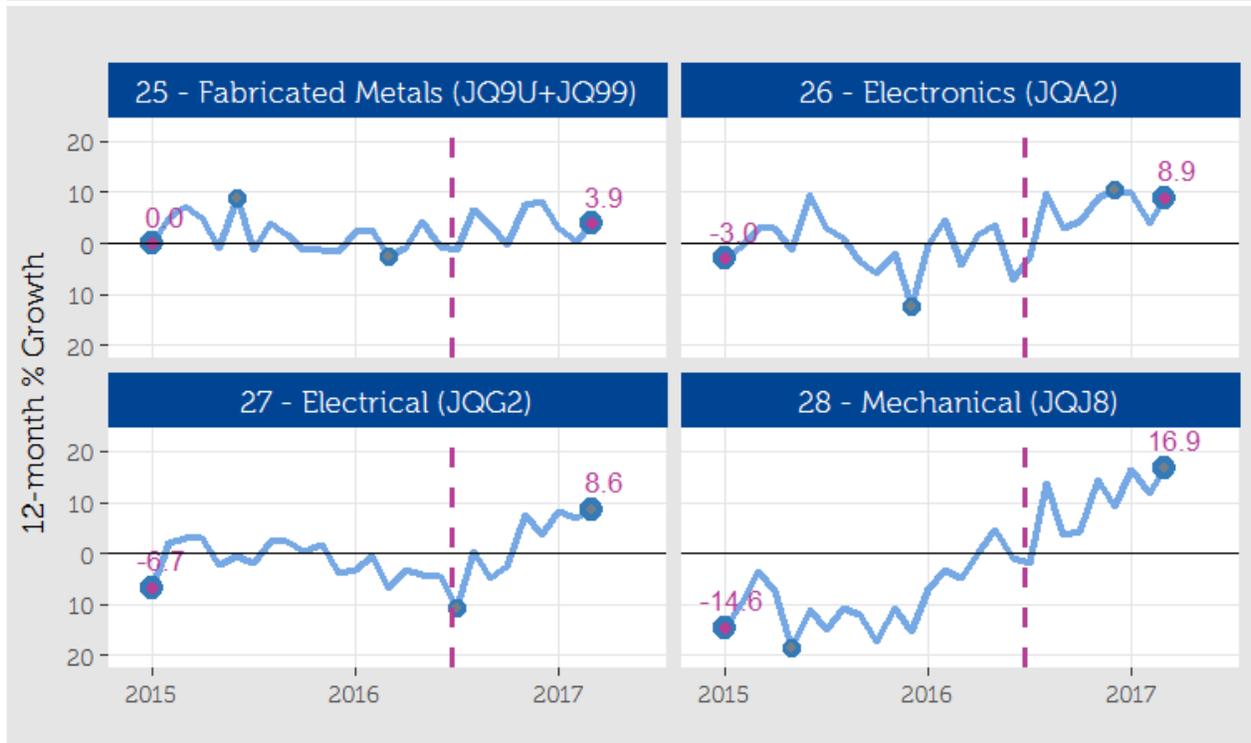
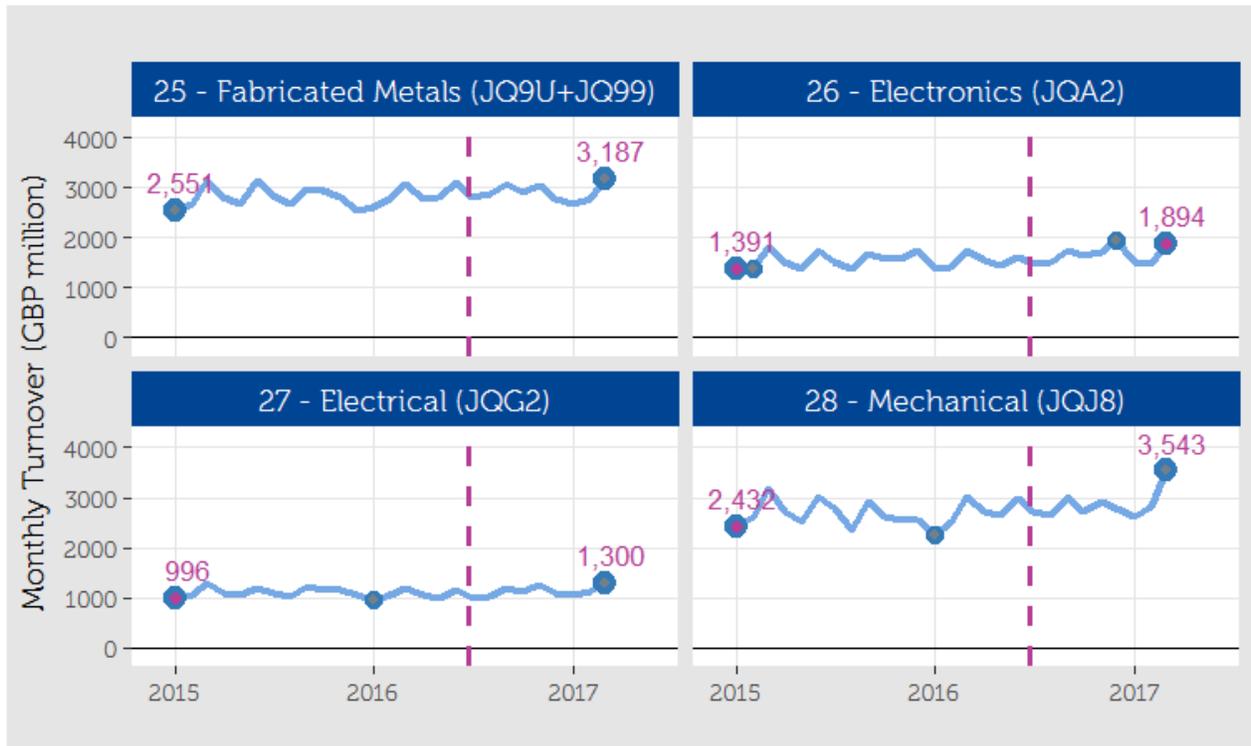


9.2 Growth: 4-quarter % growth



10 Industry Level Indicators

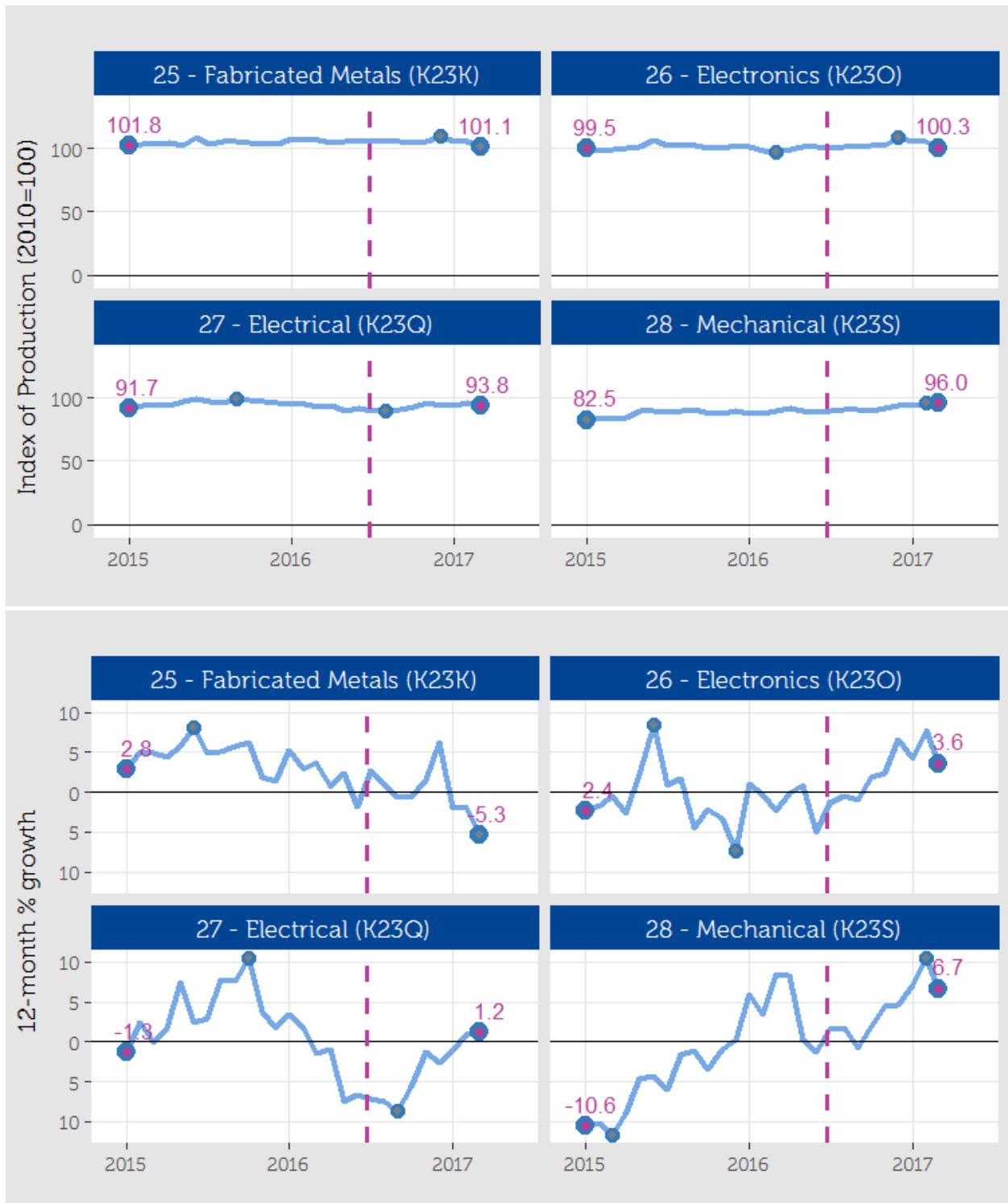
10.1 Turnover



10.2 Exports



10.3 Index of Production



10.4 Employment (excluding Self-Employment)



11 Growth Cycles

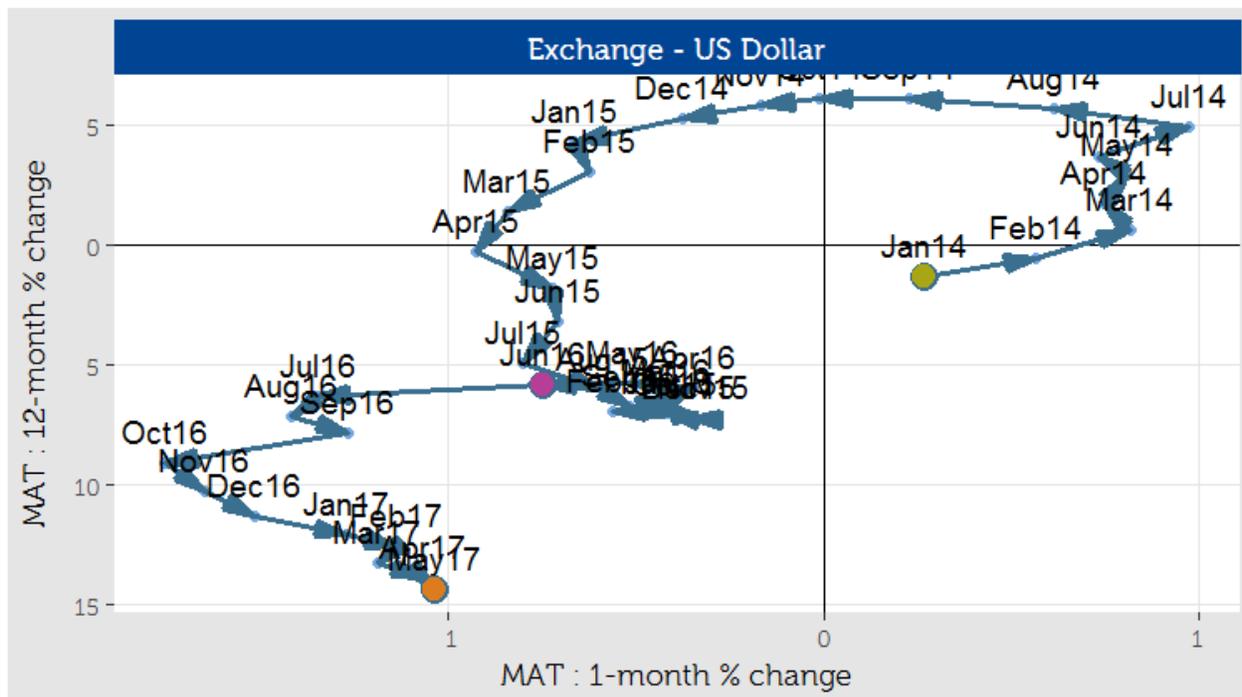
11.1 About Growth Cycles

Growth cycle, plots the annual growth of an indicator against the 1-month (or 1-quarter) growth. This put the indicator in one of 4 main quadrants:

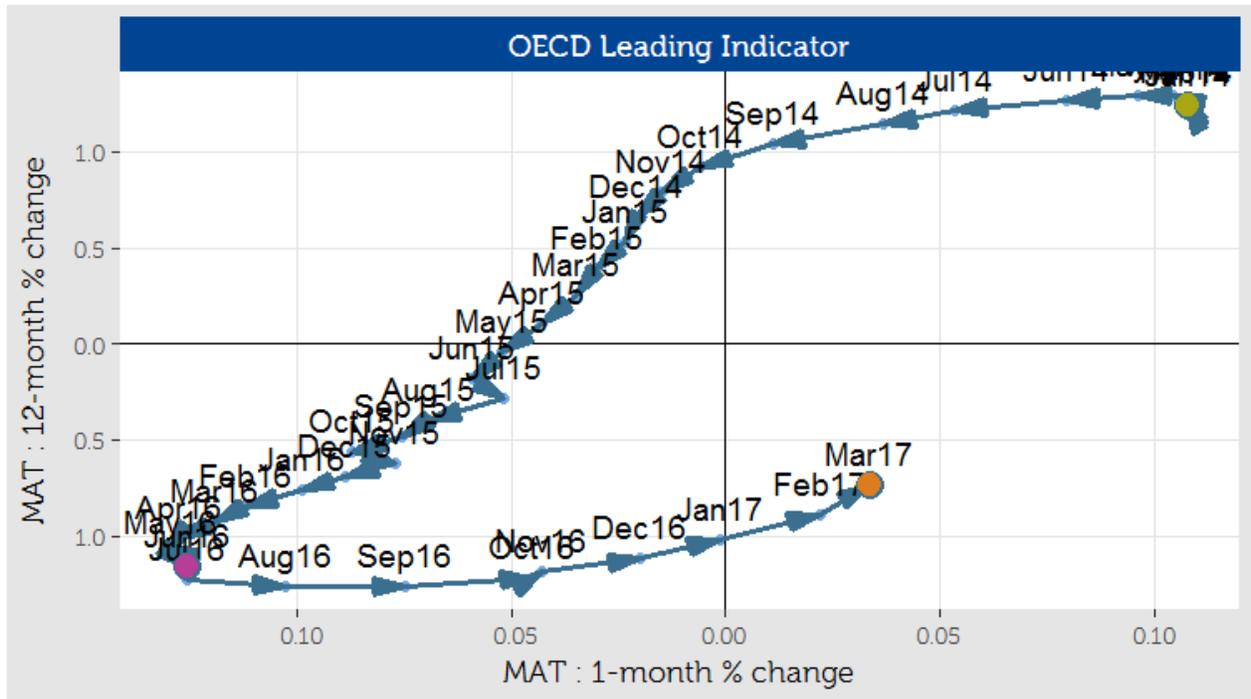
- Quadrant 1: increased compared to previous month (or quarter) and also increased compared previous year - **expansion**
- Quadrant 2: increased compared to previous month (or quarter) but decreased compared to previous year - **recovery**
- Quadrant 3: decreased compared to previous month (or quarter) and also decreased compared to previous year - **contraction**
- Quadrant 4: decreased compared to previous month (or quarter) but increased compared previous year - **weakening**

Where an indicator is heading to is found by connecting indicator's position over a period of time. Using Moving Annual Total (MAT) helps to remove seasonal effect inherent in most indicators. This section show Growth Cycle plots of 6 selected indicators. The starting point is marked with green circle (●); purple circle (●) for referendum date and orange circle (●) for the current state.

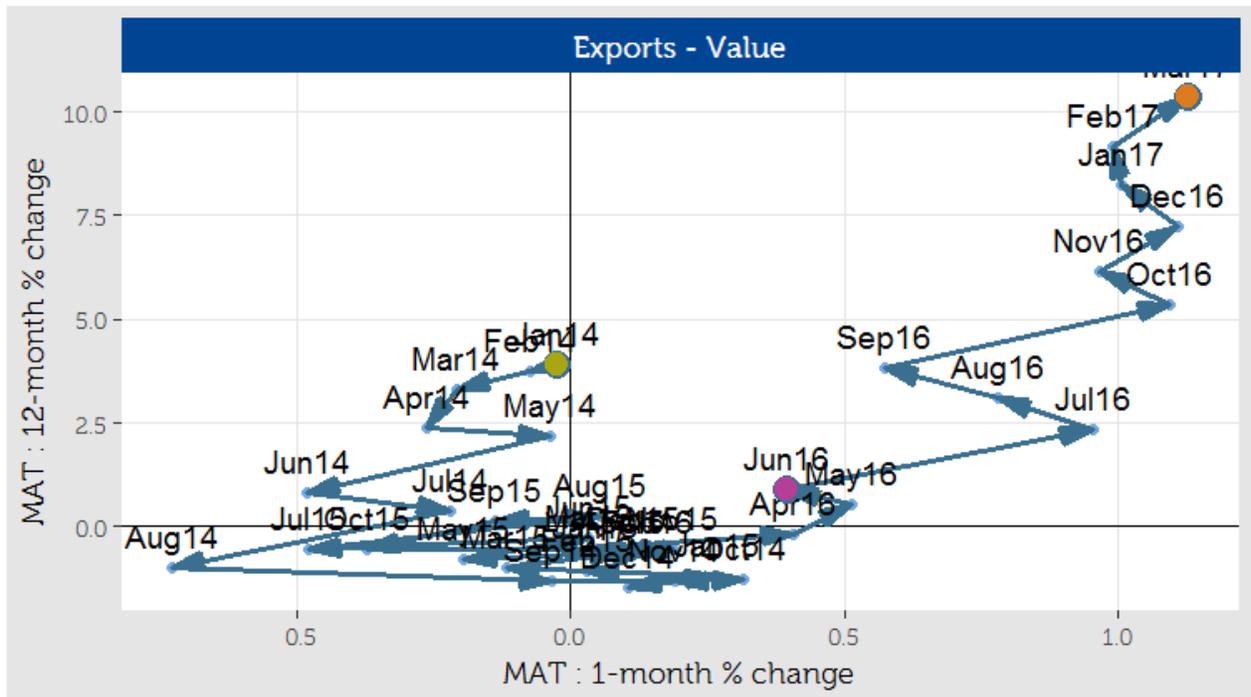
11.2 Exchange Rate (USD)



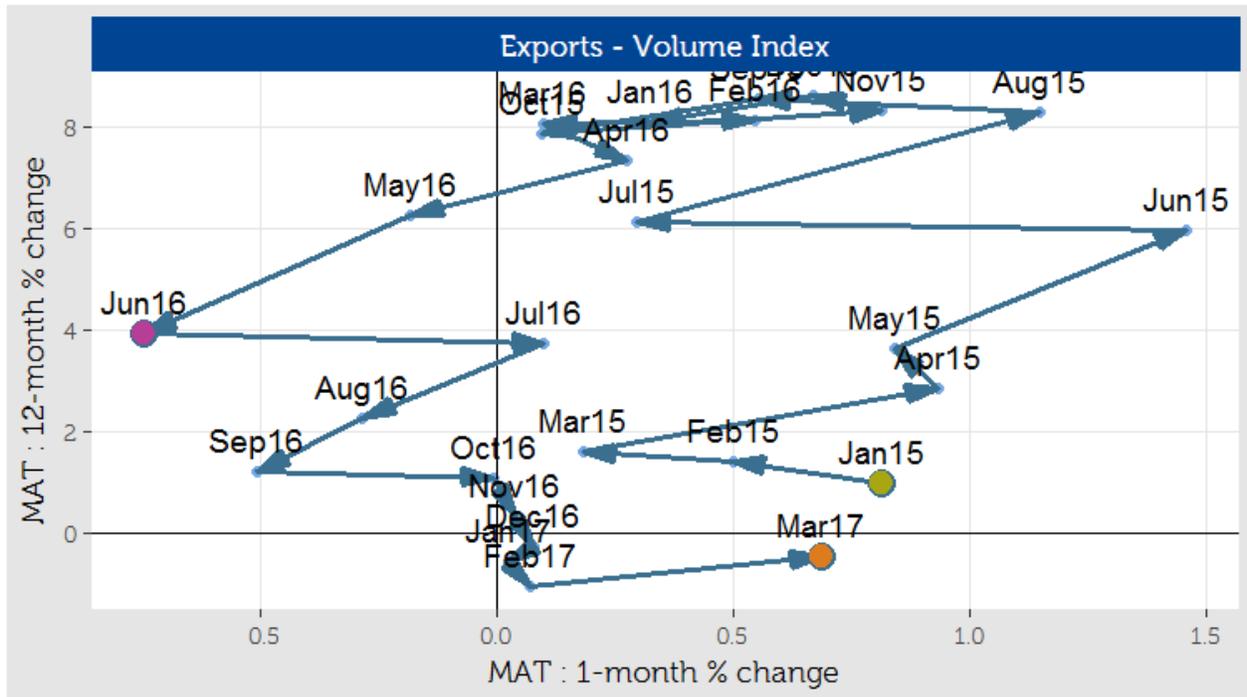
11.3 OECD Composite Leading Indicator - UK



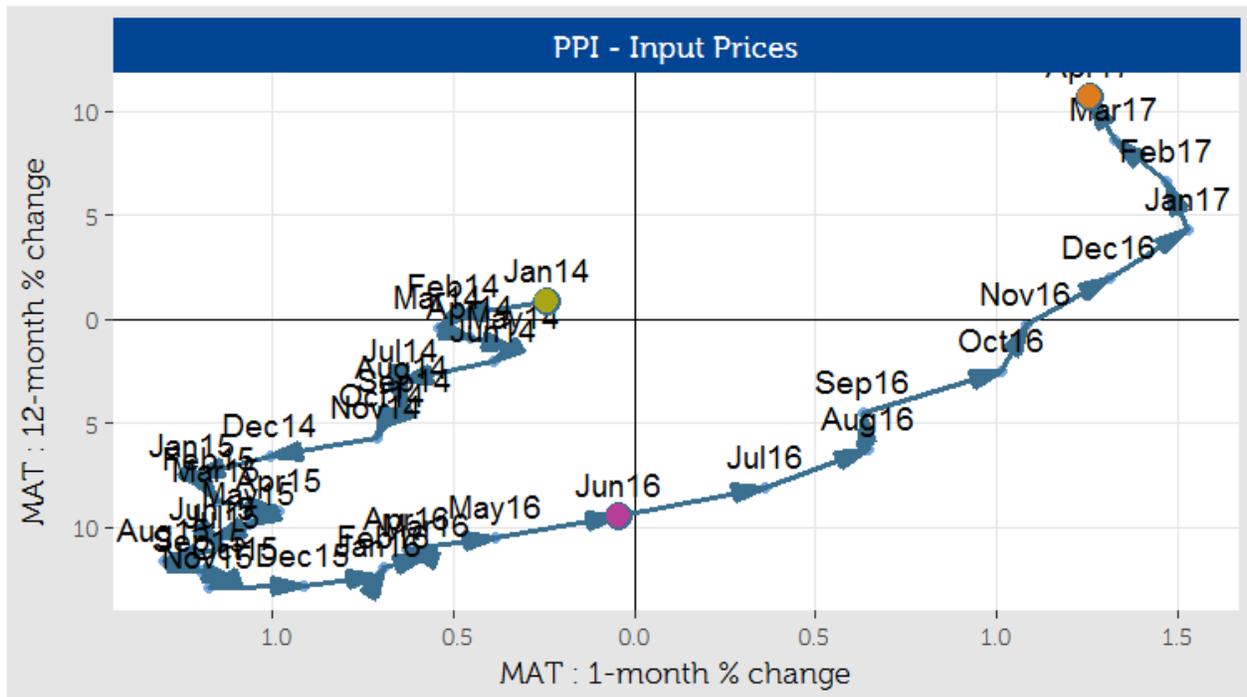
11.4 Exports - Value (IKBH)



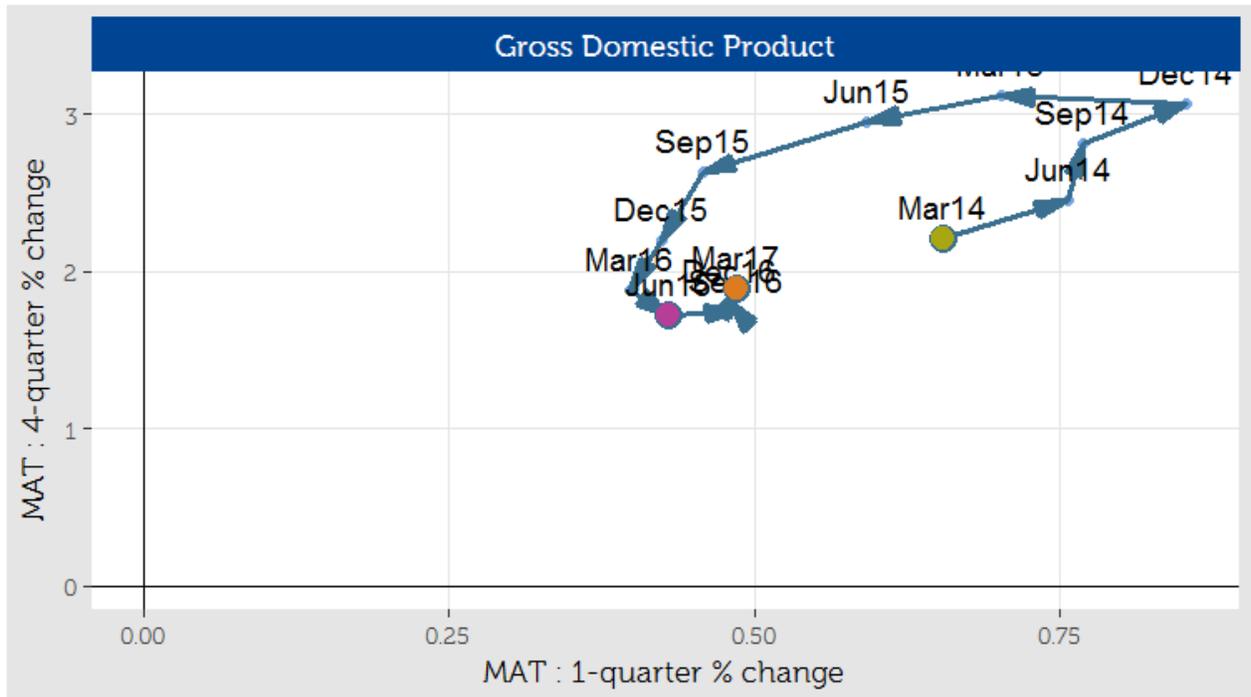
11.5 Exports - Volume Index (BQKU)



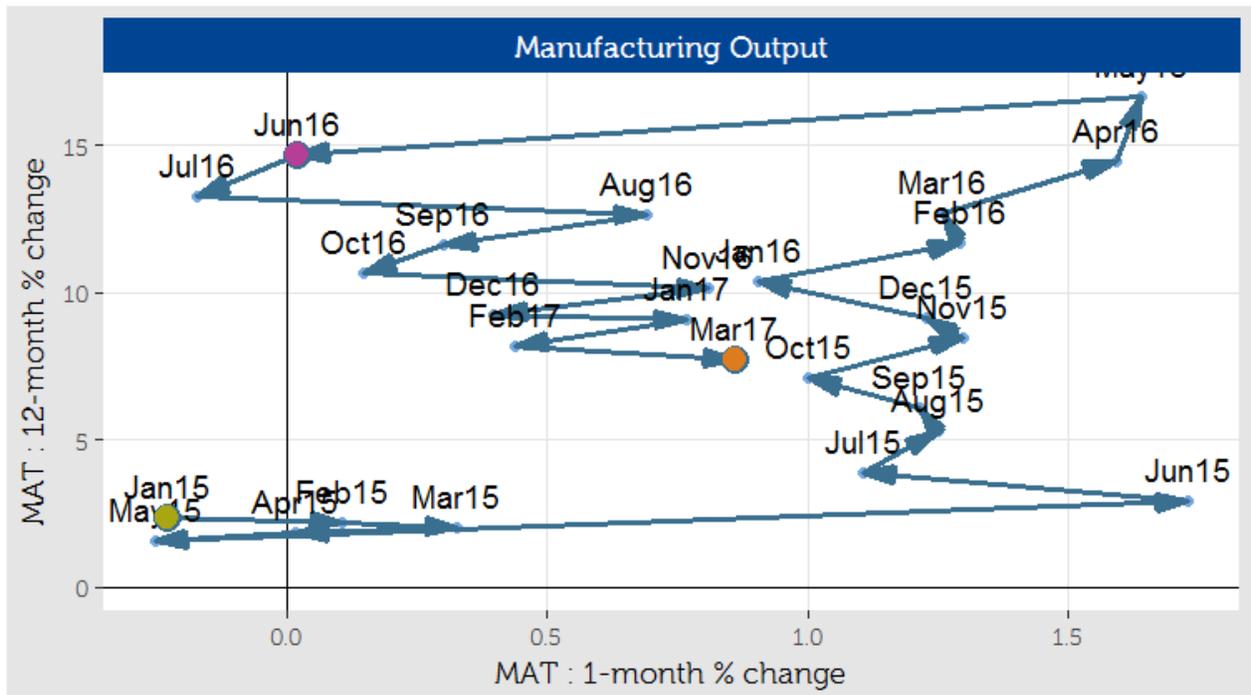
11.6 Input Prices (K646)



11.7 Gross Domestic Product - GDP (ABMI-PN2)



11.8 Manufacturing Output (JT27)



11.9 Current State

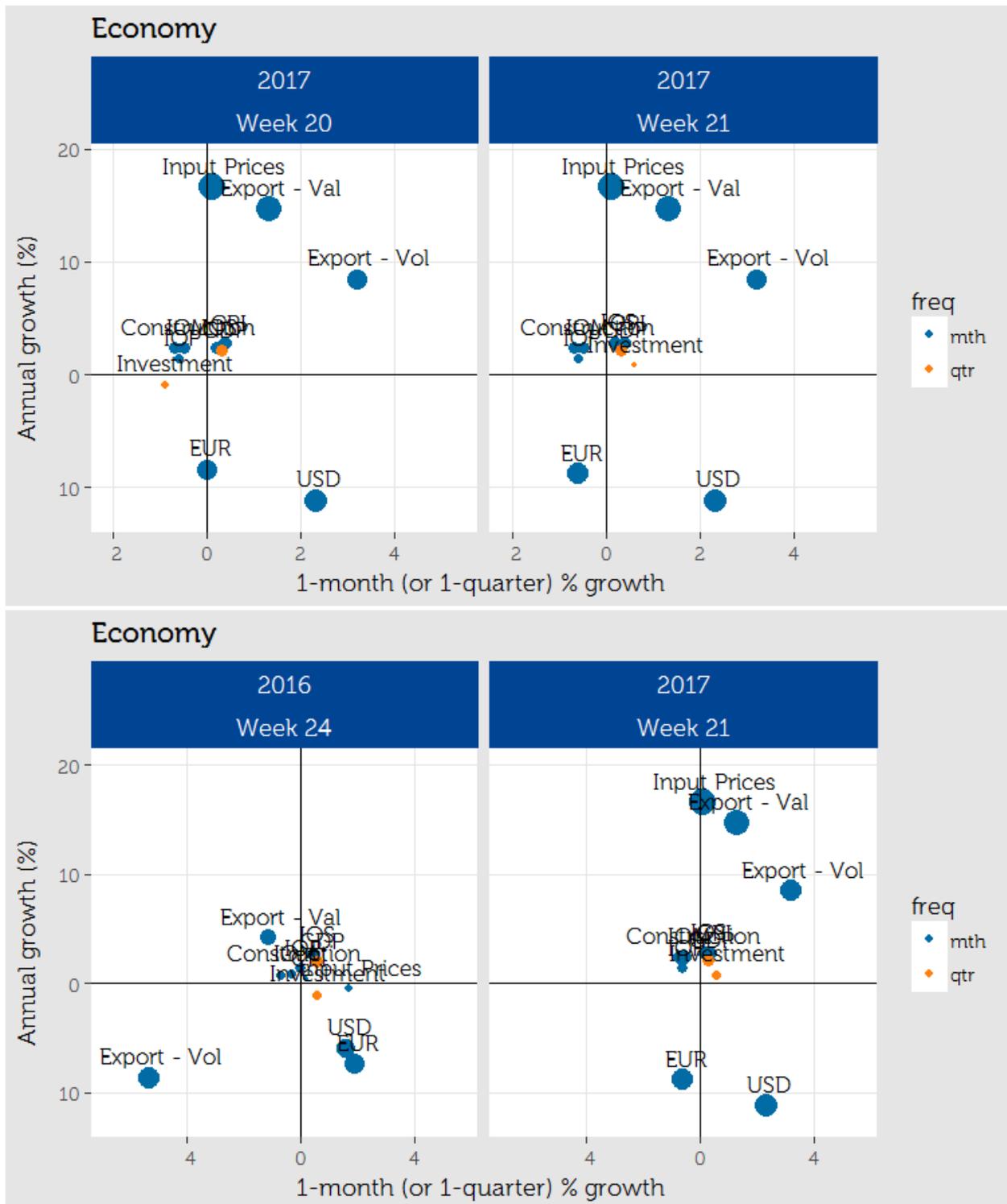


Figure 1: **Top:** Indicators growth - Current week versus previous week.
Bottom: Indicators Growth - Before Referendum vote versus current week

Appendices

Data sources

- ONS
 - Producer Prices : <http://www.ons.gov.uk/economy/inflationandpriceindices>
 - Consumer Prices: <http://www.ons.gov.uk/economy/inflationandpriceindices>
 - GDP: <http://www.ons.gov.uk/economy/grossdomesticproductgdp>
 - Business Investment: <http://www.ons.gov.uk/economy/grossdomesticproductgdp>
 - Employment :<http://www.ons.gov.uk/employmentandlabourmarket>
 - Production :<http://www.ons.gov.uk/economy>
 - Exports :<http://www.ons.gov.uk/economy/nationalaccounts/balanceofpayments>
 - Turnover:<http://www.ons.gov.uk/businessindustryandtrade>
 - Construction: <https://www.ons.gov.uk/businessindustryandtrade>
- HMRC
 - UK Trade: <https://www.uktradeinfo.com/Statistics/BuildYourOwnTables>
- ECB
 - Exchange rate: <https://www.ecb.europa.eu/stats/exchange/eurofxref>
- OECD
 - UK composite indicator <http://stats.oecd.org/Index.aspx>

Information about EURIS

EURIS (European Union Relationship and Industrial Strategy) represents the combined industrial membership of BEAMA and GAMBICA, with additional representation from other aligned Trade Associations. (EAMA, CESA, NMI, REA). The 2000+ companies in the combined membership are represented by a Task Force of 13 companies, plus the executives from the member associations.

For further information on this report please contact:

Emmanuel Amoakohene

BEAMA, Westminster Tower,

3 Albert Embankment, London, SE1 7SL

T: **0207 793 3000**

E: stats@beama.org.uk