

# EU KLEMS Growth and Productivity Accounts 2017 Release, Statistical Module<sup>1</sup>

## Country notes for EU-12 (growth accounting)

Prepared by  
Kirsten Jäger  
(The Conference Board)

31 July 2017

Data extracted from Eurostat: 3 July 2017

### Synopsis of the main points

- EU-12 refers to aggregate of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Italy, Netherlands, Spain, Sweden, and United Kingdom.
- Own aggregates of output and labour data in NACE 2 are released for 1995-2015, but the content of the output file is reduced compared to the individual country files, see Table 5 below.
- Aggregated capital data in NACE 2 from Eurostat are not released.
- Growth accounts are released only for 2001-2015.

---

<sup>1</sup> This release of the EU KLEMS database is funded by the European Commission, Directorate General Economic and Financial Affairs under the service contract ECFIN-163-2015/SI2.716986. Any errors or omissions are entirely the responsibility of the Conference Board. I am grateful to my Conference Board colleagues, Abdul Azeez Erumban, Oliver Henrich, Frank Steemers, Klaas de Vries, and Bart van Ark for their support at various stages in the process. I also thanks Antonio F. Amores, Bernd Görzig, Chantal Kegels, Martin Gornig, and Laurence Nayman for their advice. A number of systematic cross checks on preliminary versions of the database have been performed by Matilde Mas and Reitze Gouma. Our special gratitude goes to Reitze Gouma and Marcel P. Timmer for their support to transfer EU KLEMS to The Conference Board and to Ana Rincon-Aznar and Mary O'Mahony for the provision of data from the EU Labour Force Surveys. For comments and suggestions please send an email to [euklems@tcb.org](mailto:euklems@tcb.org).

Table 5 summarizes the general coverage of the main variables in the 2017 release. Possible scattered gaps in industries or years are not shown in this table.

Table 5: Coverage of main variables in the output file and the capital file

Variable	Period
LAB_QI	NA
VA	1995-2015
VA_QI, VA_P	NA
GO, II	1995-2015
GO_P, II_P	NA
COMP	NA
LAB, CAP	NA
EMP, EMPE	1995-2015
H_EMP, H_EMPE	1999-2015/1995-2015
I_, Ip_, Iq_	NA
K_, Kq_	NA
Growth accounts VA/LP1/LP2	2001-2015

### Output and labour

Nominal variables in the single country output files are denoted in national currency. To obtain these nominals in millions of Euros for the aggregate EU-12, we downloaded official output data in NACE2 from Eurostat in millions of Euros for all 12 countries. The aggregation of value added, gross output, intermediate input, number of persons engaged, number of employees hours worked, and number of workers is done by straightforward summation.

All growth accounting related variables are the value added weighted average of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Italy, Netherlands, Spain, Sweden, and United Kingdom. They are not available for the subindustries of 'wholesale and retail trade; repair of motor vehicles and motorcycles' (G), and 'transportation and storage' (H). Given the fact that Spanish gross fixed capital formation and capital stocks are only released for 'arts, entertainment, recreation and other service activities' (R-S), growth accounts for the child industries 'arts, entertainment and recreation' (R) and 'other service activities' (S) are not released for the aggregate in this file. Growth accounts are not available for the Czech Republic, Italy, and Sweden in 2015. The aggregate growth accounts therefore exclude these countries in 2015. Value added for the Czech Republic and gross output and intermediate input for Sweden and the United Kingdom are missing in 2015 and therefore not part of the aggregate in this year. Chemicals and chemical products (20-21) growth accounts are not missing and therefore also excluded from the 20-21 aggregate. Total hours worked by persons engaged (H\_EMP) is not released in 1995-1998 like the remaining output variables because these years are not available for Belgium.