**Zambia:  
Data on economic transformation**

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# Economic structures

1. GDP, employment and relative productivity levels, Zambia, 1960–2010 (GDDC Africa sector database data)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Gross value added (%) a | | | | | | Number of persons engaged (%) b | | | | | | Relative productivity levels c | | | | | |
|  | *1960* | *1975* | *1990* | *2000* | *2005* | *2010* | *1965* | *1975* | *1990* | *2000* | *2005* | *2010* | *1965* | *1975* | *1990* | *2000* | *2005* | *2010* |
| **Agriculture** | **9.9** | **9.1** | **13.8** | **21.8** | **22.5** | **20.8** | **63.2** | **64.5** | **75.3** | **71.6** | **73.3** | **72.8** | **0.2** | **0.3** | **0.2** | **0.4** | **0.3** | **0.3** |
| **Industry** | **63.2** | **41.0** | **43.2** | **24.7** | **28.8** | **36.5** | **12.8** | **12.0** | **8.5** | **5.8** | **7.0** | **7.5** | **5.2** | **4.6** | **4.6** | **4.2** | **4.1** | **4.1** |
| Mining | 51.9 | 18.2 | 26.7 | 4.5 | 3.5 | 3.8 | 5.5 | 3.7 | 2.6 | 1.3 | 1.8 | 2.4 | 6.0 | 5.0 | 4.2 | 2.0 | 1.9 | 1.7 |
| Manufacturing | 1.2 | 4.7 | 8.3 | 11.1 | 11.5 | 9.0 | 1.7 | 4.0 | 4.0 | 2.8 | 3.2 | 3.3 | 4.6 | 3.6 | 4.0 | 4.2 | 3.6 | 3.0 |
| Other industry d | 10.2 | 18.1 | 8.2 | 9.0 | 13.9 | 23.8 | 5.6 | 4.3 | 1.9 | 1.7 | 2.0 | 1.8 | 4.5 | 5.2 | 6.4 | 5.7 | 7.0 | 9.3 |
| **Services e** | **26.8** | **50.0** | **43.1** | **53.5** | **48.7** | **42.7** | **24.0** | **23.5** | **16.2** | **22.6** | **19.7** | **19.7** | **0.8** | **1.2** | **2.6** | **2.1** | **2.5** | **2.5** |
| Market services | 17.8 | 31.9 | 33.9 | 43.2 | 39.3 | 31.9 | 7.5 | 8.5 | 6.8 | 9.7 | 11.6 | 13.2 | 1.9 | 2.1 | 4.6 | 4.0 | 3.4 | 2.8 |
| *Distribution services* | 16.8 | 25.0 | 25.0 | 29.6 | 27.3 | 21.4 | 6.6 | 7.0 | 5.2 | 8.7 | 10.5 | 12.1 | 2.0 | 2.2 | 5.1 | 3.1 | 2.6 | 2.2 |
| *Finance and business services* | 0.9 | 7.0 | 8.9 | 13.5 | 12.0 | 10.4 | 0.9 | 1.6 | 1.6 | 1.0 | 1.1 | 1.1 | 1.0 | 1.8 | 3.1 | 10.9 | 11.4 | 10.0 |
| Non-market services c | 9.0 | 18.0 | 9.2 | 10.4 | 9.4 | 10.8 | 16.5 | 15.0 | 9.4 | 12.9 | 8.1 | 6.5 | 0.3 | 0.6 | 1.1 | 0.7 | 1.2 | 1.8 |
| *Government services* | 8.2 | 16.1 | 8.3 | 9.4 | 8.7 | 10.2 |  |  |  |  |  |  |  |  |  |  |  |  |
| *Other services* | 0.9 | 2.0 | 0.8 | 1.0 | 0.7 | 0.6 |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total economy** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **1** | **1** | **1** | **1** | **1** | **1** |

Notes:  
(a) Based on current prices in local currency.  
(b) Includes paid employees, the self-employed and family workers.  
(c) Derived by calculating labour productivity levels (gross value added at constant prices divided by number of persons engaged) and expressing the result as a ratio of total economy labour productivity. It was not possible in the Africa Sector Database to distinguish between employment in government services and community/social/personal services, so in calculating productivity levels the value added in these sectors has been combined before dividing by the number of persons engaged.  
(d) ‘Other industry’ includes construction and public services.  
(e) ‘Distribution’ includes transport services and distributive trade as well as hotels and restaurants; ‘Finance and business services’ excludes real estate activities; ‘Other services’ include other community, personal and household services.  
Numbers may not sum due to rounding.  
Source: Authors’ calculations using the Africa Sector Database (<http://www.rug.nl/research/ggdc/data/africa-sector-database>).

1. GDP, employment and relative productivity levels, Zambia, 1991–2013 (UNSD/ILO WESO data) NEW

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Economic activity** | **Gross value added (current US$, %)** | | | | | | **Employment by sector (%)** | | | | | | **Relative productivity levels a** | | | | | |
|  | *1975* | *1991* | *2000* | *2005* | *2010* | *2013* | *1975* | *1991* | *2000* | *2005* | *2010* | *2013* | *1975* | *1991* | *2000* | *2005* | *2010* | *2013* |
| Agriculture | 13.1 | 16.8 | 21.0 | 21.7 | 19.9 | 17.5 | n/a | 65.0 | 72.5 | 72.2 | 65.5 | 55.3 | n/a | 0.3 | 0.4 | 0.3 | 0.3 | 0.3 |
| Mining & utilities | 18.3 | 11.0 | 7.8 | 6.3 | 6.4 | 5.2 | n/a | 2.7 | 2.2 | 1.8 | 2.4 | 2.3 | n/a | 5.3 | 2.3 | 3.5 | 3.3 | 2.6 |
| Manufacturing | 19.3 | 35.5 | 10.8 | 11.1 | 8.6 | 8.0 | n/a | 10.1 | 3.9 | 4.0 | 3.8 | 4.1 | n/a | 1.1 | 2.8 | 2.8 | 2.5 | 2.4 |
| Construction | 4.7 | 2.7 | 5.2 | 10.4 | 20.0 | 24.3 | n/a | 0.9 | 1.0 | 1.3 | 2.5 | 3.7 | n/a | 7.2 | 5.6 | 8.0 | 5.4 | 4.1 |
| Wholesale, retail, hotels | 14.4 | 12.8 | 21.9 | 21.8 | 16.6 | 15.3 | n/a | 10.0 | 10.3 | 10.2 | 11.9 | 13.7 | n/a | 1.8 | 2.1 | 2.1 | 1.6 | 1.3 |
| Transport, storage, comms | 6.6 | 4.5 | 6.7 | 4.5 | 3.9 | 3.9 | n/a | 2.3 | 2.0 | 2.1 | 2.7 | 3.5 | n/a | 1.9 | 2.2 | 2.1 | 2.6 | 2.4 |
| Other | 23.6 | 16.7 | 26.7 | 24.3 | 24.5 | 25.8 | n/a | 8.9 | 8.0 | 8.4 | 11.2 | 17.5 | n/a | 2.6 | 3.2 | 2.9 | 2.2 | 1.5 |
| **Total** | **100** | **100** | **100** | **100** | **100** | **100** | **n/a** | **100** | **100** | **100** | **100** | **100** | **n/a** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** |

Notes:  
(a) Derived by calculating labour productivity levels (gross value added at constant prices divided by number of persons employed per sector) and expressing the result as a ratio of total economy labour productivity.  
Numbers may not sum due to rounding.  
Source: Authors’ calculations using UNSD National Accounts Main Aggregates data on ‘gross value added by kind of economic activity’ (<https://data.un.org/search.aspx?q=gross+value+added+datamart%5bsnaama%5d>) and ILO World Employment and Social Outlook (WESO) – Trends 2015 supporting dataset ‘employment by sector and sex’ (<http://www.ilo.org/global/research/global-reports/weso/2015/lang--en/index.htm>).

1. Labour productivity levels and changes, Zambia, 1965–2010 (GDDC Africa sector database data)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Labour productivity levels (index, 1965=100) | | | | | | Annualised growth | | | |
|  | *1965* | *1975* | *1990* | *2000* | *2005* | *2010* | *1965–2010* | *1990–2000* | *2000–05* | *2005–10* |
| **Agriculture** | **100** | **101.0** | **73.3** | **132.2** | **119.7** | **123.9** | **0.5%** | **6.1%** | **-2.0%** | **0.7%** |
| **Industry** | **100** | **81.0** | **63.1** | **65.7** | **74.7** | **87.4** | **-0.3%** | **0.4%** | **2.6%** | **3.2%** |
| Mining | 100 | 75.5 | 49.7 | 28.0 | 29.4 | 31.0 | -2.6% | -5.6% | 1.0% | 1.0% |
| Manufacturing | 100 | 71.4 | 61.9 | 75.1 | 73.5 | 72.0 | -0.7% | 1.9% | -0.4% | -0.4% |
| Other | 100 | 103.9 | 99.3 | 101.4 | 145.0 | 223.1 | 1.8% | 0.2% | 7.4% | 9.0% |
| **Services** | **100** | **133.1** | **232.9** | **218.4** | **293.2** | **343.0** | **2.8%** | **-0.6%** | **6.1%** | **3.2%** |
| Market services | 100 | 103.6 | 175.1 | 172.2 | 170.1 | 164.3 | 1.1% | -0.2% | -0.2% | -0.7% |
| *Distribution services* | *100* | 101.0 | 180.8 | 128.2 | 122.2 | 119.3 | 0.4% | -3.4% | -1.0% | -0.5% |
| *Finance and business services* | *100* | 162.1 | 221.8 | 883.6 | 1,061.5 | 1,084.4 | 5.4% | 14.8% | 3.7% | 0.4% |
| Non-market services | 100 | 183.2 | 270.9 | 201.1 | 364.1 | 659.5 | 4.3% | -2.9% | 12.6% | 12.6% |
| **Total economy** | **100** | **90.6** | **70.8** | **81.4** | **93.9** | **108.9** | **0.2%** | **1.4%** | **2.9%** | **3.0%** |

Note: Derived by calculating labour productivity levels (gross value added at constant 2005 prices divided by number of persons engaged) and expressing the results as an index related to 1965 levels. It was not possible in the Africa Sector Database to distinguish between employment in government services and community/social/personal services, so in calculating productivity levels the value added in these sectors, of which the non-market services total is comprised, has been combined.  
Source: Authors’ calculations using the Africa Sector Database (<http://www.rug.nl/research/ggdc/data/africa-sector-database>).

1. Labour productivity levels and changes, Zambia, 1991–2013 (UNSD/ILO WESO data) NEW

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Economic activity** | **Labour productivity (index, 1991=100)** | | | | | **Annualised growth in labour productivity** | | | | |
|  | *1991* | *2000* | *2005* | *2010* | *2013* | *1991-2013* | *1991-2000* | *2000-05* | *2005-10* | *2010-13* |
| Agriculture | 100 | 85.7 | 83.7 | 93.9 | 108.0 | 0.4% | -1.7% | -0.5% | 2.3% | 4.8% |
| Mining & utilities | 100 | 33.9 | 62.9 | 66.1 | 57.6 | -2.5% | -11.3% | 13.1% | 1.0% | -4.5% |
| Manufacturing | 100 | 214.6 | 250.0 | 261.7 | 276.0 | 4.7% | 8.9% | 3.1% | 0.9% | 1.8% |
| Construction | 100 | 62.3 | 106.5 | 82.4 | 69.0 | -1.7% | -5.1% | 11.3% | -5.0% | -5.8% |
| Wholesale, retail, hotels | 100 | 92.0 | 111.6 | 93.9 | 85.5 | -0.7% | -0.9% | 4.0% | -3.4% | -3.1% |
| Transport, storage, comms | 100 | 91.5 | 107.5 | 148.1 | 152.4 | 1.9% | -1.0% | 3.3% | 6.6% | 1.0% |
| Other | 100 | 98.3 | 103.9 | 88.4 | 66.0 | -1.9% | -0.2% | 1.1% | -3.2% | -9.3% |
| **Total** | **100** | **80.0** | **95.0** | **108.4** | **119.3** | **0.8%** | **-2.5%** | **3.5%** | **2.7%** | **3.2%** |

Note: Derived by calculating labour productivity levels (gross value added at constant 2005 prices divided by number of persons engaged) and expressing the results as an index related to 1991 levels.  
Source: Authors’ calculations using UNSD National Accounts Main Aggregates data on ‘gross value added by kind of economic activity’ (<https://data.un.org/search.aspx?q=gross+value+added+datamart%5bsnaama%5d>) and ILO World Employment and Social Outlook (WESO) – Trends 2015 supporting dataset ‘employment by sector and sex’ (<http://www.ilo.org/global/research/global-reports/weso/2015/lang--en/index.htm>).

1. Relative productivity and changes in employment shares by sector, Zambia (GDDC Africa sector database data)

Note: Size of bubbles represents number of persons engaged in each sector in the later year of each of the three periods.  
Source: Authors’ calculations using the Africa Sector Database (<http://www.rug.nl/research/ggdc/data/africa-sector-database>).

1. Relative productivity and changes in employment shares by sector, Zambia (UNSD/ILO WESO data) NEW

Note: Size of bubbles represents number of persons employed in each sector in the later year of each period.  
Source: Authors’ calculations using UNSD National Accounts Main Aggregates data on ‘gross value added by kind of economic activity’ (<https://data.un.org/search.aspx?q=gross+value+added+datamart%5bsnaama%5d>) and ILO World Employment and Social Outlook (WESO) – Trends 2015 supporting dataset ‘employment by sector and sex’ (<http://www.ilo.org/global/research/global-reports/weso/2015/lang--en/index.htm>).

1. Decomposition of labour productivity change, Zambia, 1990–2010 (GDDC Africa sector database data)

Source: Authors’ calculations using the Africa Sector Database (<http://www.rug.nl/research/ggdc/data/africa-sector-database>).

1. Decomposition of labour productivity change, Zambia, 1991–2013 (UNSD/ILO WESO data) NEW

Source: Authors’ calculations using UNSD National Accounts Main Aggregates data on ‘gross value added by kind of economic activity’ (<https://data.un.org/search.aspx?q=gross+value+added+datamart%5bsnaama%5d>) and ILO World Employment and Social Outlook (WESO) – Trends 2015 supporting dataset ‘employment by sector and sex’ (<http://www.ilo.org/global/research/global-reports/weso/2015/lang--en/index.htm>).

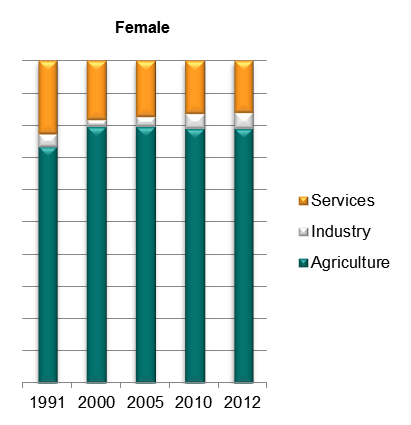
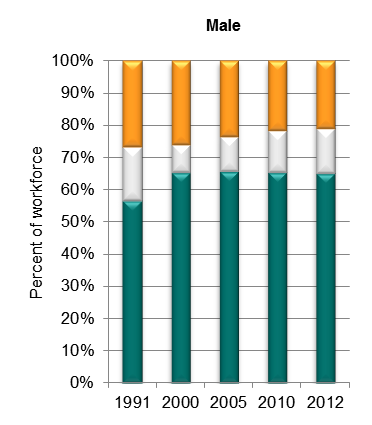
1. Productivity gaps in Zambia, 2010 (GDDC Africa sector database data)

Source: Authors’ calculations using the Africa Sector Database (<http://www.rug.nl/research/ggdc/data/africa-sector-database>).

1. Productivity gaps in Zambia, 2013 (UNSD/ILO WESO data) NEW

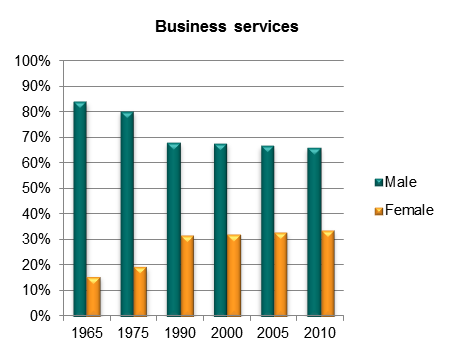
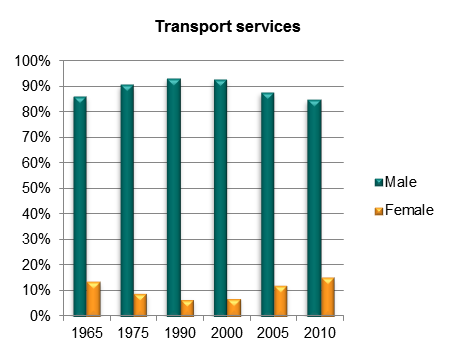
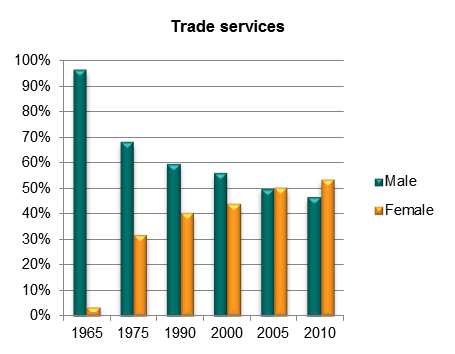
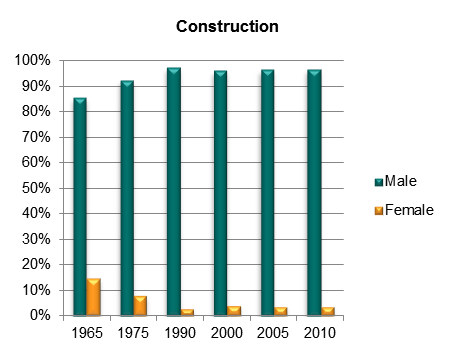
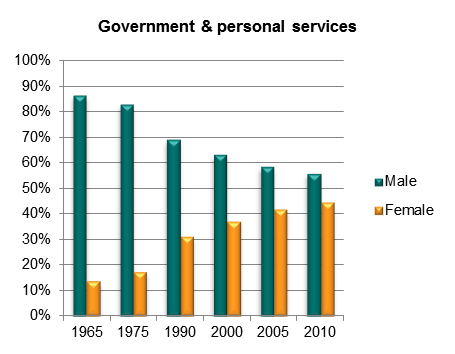
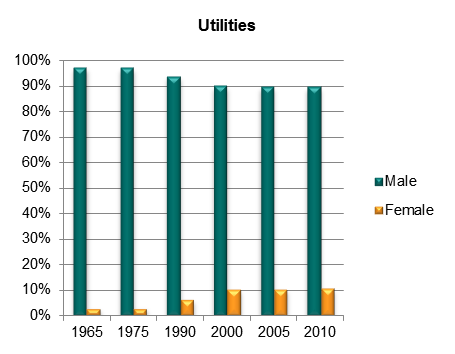
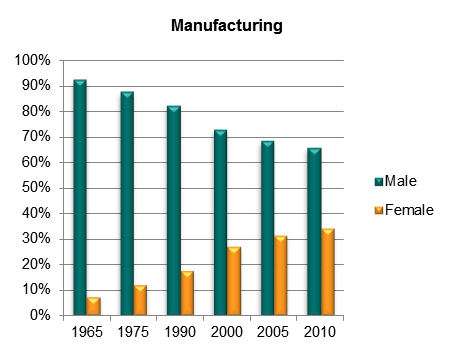
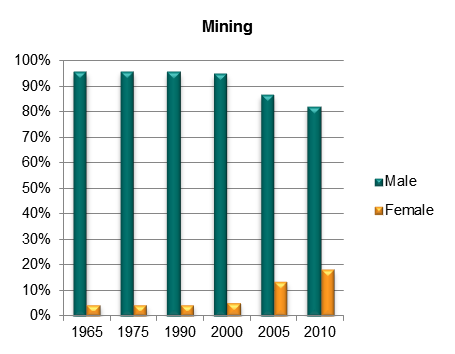
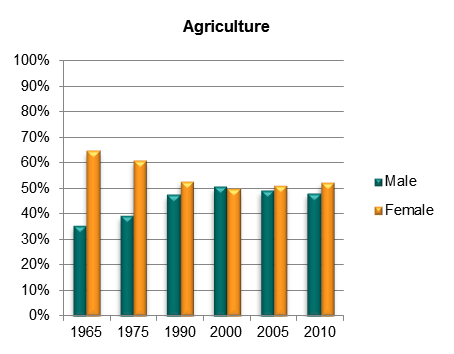
Source: Authors’ calculations using UNSD National Accounts Main Aggregates data on ‘gross value added by kind of economic activity’ (<https://data.un.org/search.aspx?q=gross+value+added+datamart%5bsnaama%5d>) and ILO World Employment and Social Outlook (WESO) – Trends 2015 supporting dataset ‘employment by sector and sex’ (<http://www.ilo.org/global/research/global-reports/weso/2015/lang--en/index.htm>).

1. Total employment by sex and broad sector, Zambia (ILO GET data)



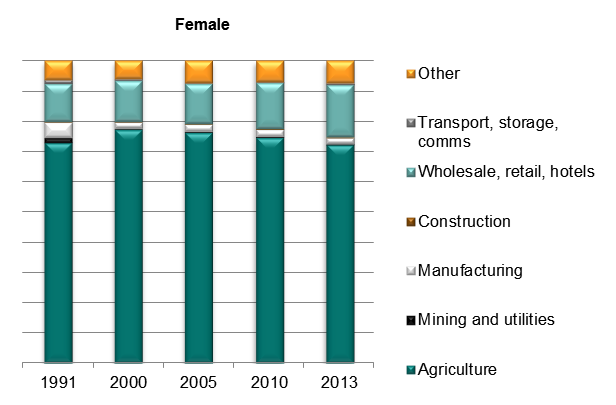
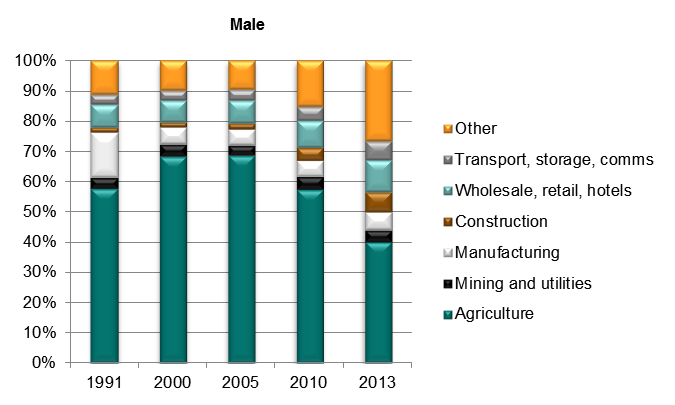
Source: ILO Global Employment Trends 2014 (<http://www.ilo.org/global/research/global-reports/global-employment-trends/2014/WCMS_234879/lang--en/index.htm>).

1. Sectoral employment by sex, Zambia (ILO GET data)



Source: Africa Sector Database (<http://www.rug.nl/research/ggdc/data/africa-sector-database>); de Vries et al. (2013).

1. Sectoral employment by sex, Zambia (ILO WESO data) NEW



*Source: ILO World Employment and Social Outlook (WESO) – Trends 2015 supporting dataset ‘employment by sector and sex’ (*[*http://www.ilo.org/global/research/global-reports/weso/2015/lang--en/index.htm*](http://www.ilo.org/global/research/global-reports/weso/2015/lang--en/index.htm)*).*

1. Percentage of workers (age 25+) in agriculture, Zambia

Note: Using DHS data.  
Source: McMillan and Harttgen (2014) (<http://www.nber.org/papers/w20077>).

# Trade

## Basic data

1. Total value of trade, Zambia, 2005–13

Source: UN COMTRADE database.

1. Exports by broad HS Section, Zambia, 2005–8 and 2009–13

|  |  |
| --- | --- |
| Key: |  |
| HS Sect. | Description |
| 1 | Live animals; animal products |
| 2 | Vegetable products |
| 3 | Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal or vegetable waxes |
| 4 | Prepared foodstuffs; beverages, spirits and vinegar; tobacco and manufactured tobacco substitutes |
| 5 | Mineral products |
| 6 | Products of the chemical or allied industries |
| 7 | Plastics and articles thereof; rubber and articles thereof |
| 8 | Raw hides and skins, leather, furskins and articles thereof; saddlery and harness; travel goods, handbags and similar containers; articles of animal gut (other than silk-worm gut) |
| 9 | Wood and articles of wood; wood charcoal; cork and articles of cork; manufactures of straw, of esparto or of other plaiting materials; basketware and wickerwork |
| 10 | Pulp of wood or of other fibrous cellulosic material; recovered (waste and scrap) paper or paperboard; paper and paperboard and articles thereof |
| 11 | Textiles and textile articles |
| 12 | Footwear, headgear, umbrellas, sun umbrellas, walking-sticks, seat-sticks, whips, riding-crops and parts thereof; prepared feathers and articles made therewith; artificial flowers; articles of human hair |
| 13 | Articles of stone, plaster, cement, asbestos, mica or similar materials; ceramic products; glass and glassware |
| 14 | Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad with precious metal and articles thereof; imitation jewellery; coin thereof; imitation jewellery; coin |
| 15 | Base metals and articles of base metal |
| 16 | Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles |
| 17 | Vehicles, aircraft, vessels and associated transport equipment |
| 18 | Optical, photographic, cinematographic, measuring, checking, precision, medical or surgical instruments and apparatus; clocks and watches; musical instruments; parts and accessories thereof |
| 19 | Arms and ammunition; parts and accessories thereof |
| 20 | Miscellaneous manufactured articles |
| 21 | Works of art, collectors’ pieces and antiques |

Note: Bubble sizes and labels relate to the number of HS 6-digit subheads within the Section which were exported  
Source: Authors’ calculation using data from the UN’s COMTRADE database.

1. Change in export share by HS Section, Zambia, 2005–8 and 2009–13

|  |  |
| --- | --- |
| Key: |  |
| HS Sect. | Description |
| 1 | Live animals; animal products |
| 2 | Vegetable products |
| 3 | Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal or vegetable waxes |
| 4 | Prepared foodstuffs; beverages, spirits and vinegar; tobacco and manufactured tobacco substitutes |
| 5 | Mineral products |
| 6 | Products of the chemical or allied industries |
| 7 | Plastics and articles thereof; rubber and articles thereof |
| 8 | Raw hides and skins, leather, furskins and articles thereof; saddlery and harness; travel goods, handbags and similar containers; articles of animal gut (other than silk-worm gut) |
| 9 | Wood and articles of wood; wood charcoal; cork and articles of cork; manufactures of straw, of esparto or of other plaiting materials; basketware and wickerwork |
| 10 | Pulp of wood or of other fibrous cellulosic material; recovered (waste and scrap) paper or paperboard; paper and paperboard and articles thereof |
| 11 | Textiles and textile articles |
| 12 | Footwear, headgear, umbrellas, sun umbrellas, walking-sticks, seat-sticks, whips, riding-crops and parts thereof; prepared feathers and articles made therewith; artificial flowers; articles of human hair |
| 13 | Articles of stone, plaster, cement, asbestos, mica or similar materials; ceramic products; glass and glassware |
| 14 | Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad with precious metal and articles thereof; imitation jewellery; coin thereof; imitation jewellery; coin |
| 15 | Base metals and articles of base metal |
| 16 | Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles |
| 17 | Vehicles, aircraft, vessels and associated transport equipment |
| 18 | Optical, photographic, cinematographic, measuring, checking, precision, medical or surgical instruments and apparatus; clocks and watches; musical instruments; parts and accessories thereof |
| 19 | Arms and ammunition; parts and accessories thereof |
| 20 | Miscellaneous manufactured articles |
| 21 | Works of art, collectors’ pieces and antiques |

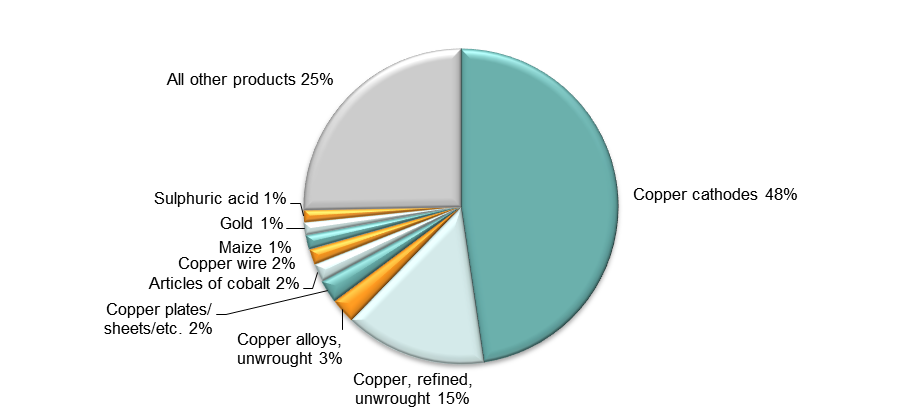
Source: Authors’ calculation using data from the UN’s COMTRADE database.

1. Export visualisation, Zambia, 2005 and 2012

|  |
| --- |
| **2005** |
|  |
| **2012** |
|  |

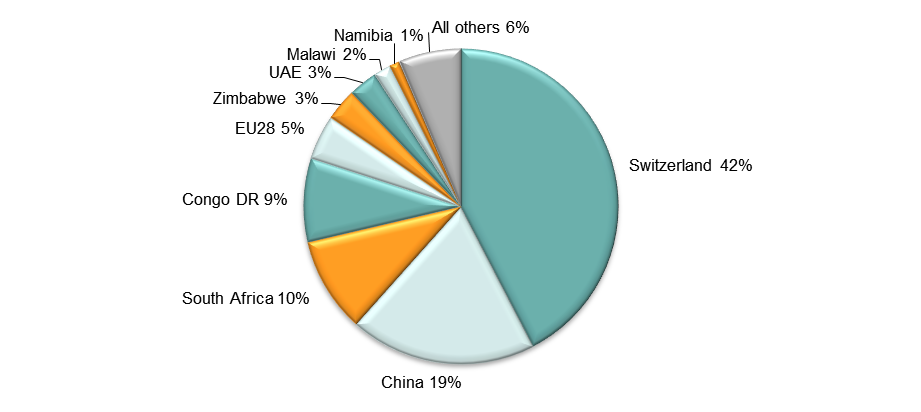
Source: ‘The Atlas of Economic Complexity’, Center for International Development at Harvard University (<http://www.atlas.cid.harvard.edu>).

1. Top export products, Zambia (average 2011–13)



Note: At Harmonised System 6-digit level.  
Source: Authors’ calculations using data from UN COMTRADE database.

1. Top export markets, Zambia (average 2011–13)



Source: Authors’ calculations using data from UN COMTRADE database.

1. Imports by broad HS Section, Zambia, 2005–8 and 2009–13

|  |  |
| --- | --- |
| Key: |  |
| HS Sect. | Description |
| 1 | Live animals; animal products |
| 2 | Vegetable products |
| 3 | Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal or vegetable waxes |
| 4 | Prepared foodstuffs; beverages, spirits and vinegar; tobacco and manufactured tobacco substitutes |
| 5 | Mineral products |
| 6 | Products of the chemical or allied industries |
| 7 | Plastics and articles thereof; rubber and articles thereof |
| 8 | Raw hides and skins, leather, furskins and articles thereof; saddlery and harness; travel goods, handbags and similar containers; articles of animal gut (other than silk-worm gut) |
| 9 | Wood and articles of wood; wood charcoal; cork and articles of cork; manufactures of straw, of esparto or of other plaiting materials; basketware and wickerwork |
| 10 | Pulp of wood or of other fibrous cellulosic material; recovered (waste and scrap) paper or paperboard; paper and paperboard and articles thereof |
| 11 | Textiles and textile articles |
| 12 | Footwear, headgear, umbrellas, sun umbrellas, walking-sticks, seat-sticks, whips, riding-crops and parts thereof; prepared feathers and articles made therewith; artificial flowers; articles of human hair |
| 13 | Articles of stone, plaster, cement, asbestos, mica or similar materials; ceramic products; glass and glassware |
| 14 | Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad with precious metal and articles thereof; imitation jewellery; coin thereof; imitation jewellery; coin |
| 15 | Base metals and articles of base metal |
| 16 | Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles |
| 17 | Vehicles, aircraft, vessels and associated transport equipment |
| 18 | Optical, photographic, cinematographic, measuring, checking, precision, medical or surgical instruments and apparatus; clocks and watches; musical instruments; parts and accessories thereof |
| 19 | Arms and ammunition; parts and accessories thereof |
| 20 | Miscellaneous manufactured articles |
| 21 | Works of art, collectors’ pieces and antiques |

Note: Bubble sizes and labels relate to the number of HS 6-digit subheads within the Section which were imported  
Source: Authors’ calculation using data from the UN’s COMTRADE database.

1. Change in import share by HS Section, Zambia, 2005–8 and 2009–13

|  |  |
| --- | --- |
| Key: |  |
| HS Sect. | Description |
| 1 | Live animals; animal products |
| 2 | Vegetable products |
| 3 | Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal or vegetable waxes |
| 4 | Prepared foodstuffs; beverages, spirits and vinegar; tobacco and manufactured tobacco substitutes |
| 5 | Mineral products |
| 6 | Products of the chemical or allied industries |
| 7 | Plastics and articles thereof; rubber and articles thereof |
| 8 | Raw hides and skins, leather, furskins and articles thereof; saddlery and harness; travel goods, handbags and similar containers; articles of animal gut (other than silk-worm gut) |
| 9 | Wood and articles of wood; wood charcoal; cork and articles of cork; manufactures of straw, of esparto or of other plaiting materials; basketware and wickerwork |
| 10 | Pulp of wood or of other fibrous cellulosic material; recovered (waste and scrap) paper or paperboard; paper and paperboard and articles thereof |
| 11 | Textiles and textile articles |
| 12 | Footwear, headgear, umbrellas, sun umbrellas, walking-sticks, seat-sticks, whips, riding-crops and parts thereof; prepared feathers and articles made therewith; artificial flowers; articles of human hair |
| 13 | Articles of stone, plaster, cement, asbestos, mica or similar materials; ceramic products; glass and glassware |
| 14 | Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad with precious metal and articles thereof; imitation jewellery; coin thereof; imitation jewellery; coin |
| 15 | Base metals and articles of base metal |
| 16 | Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles |
| 17 | Vehicles, aircraft, vessels and associated transport equipment |
| 18 | Optical, photographic, cinematographic, measuring, checking, precision, medical or surgical instruments and apparatus; clocks and watches; musical instruments; parts and accessories thereof |
| 19 | Arms and ammunition; parts and accessories thereof |
| 20 | Miscellaneous manufactured articles |
| 21 | Works of art, collectors’ pieces and antiques |

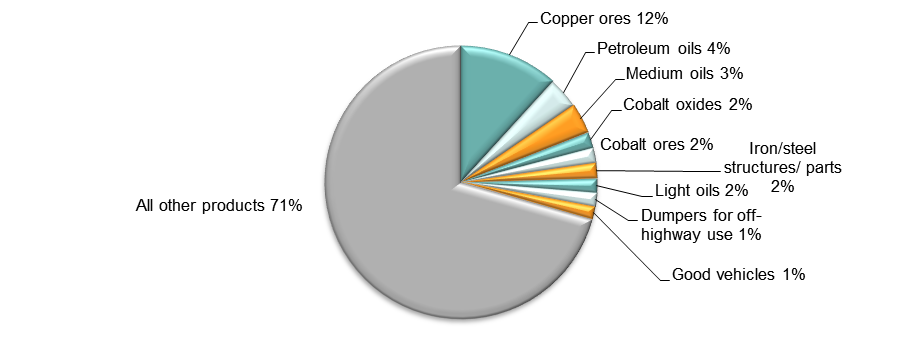
Source: Authors’ calculation using data from the UN’s COMTRADE database.

1. Import visualisation, Zambia, 2005 and 2012

|  |
| --- |
| **2005** |
|  |
| **2012** |
|  |

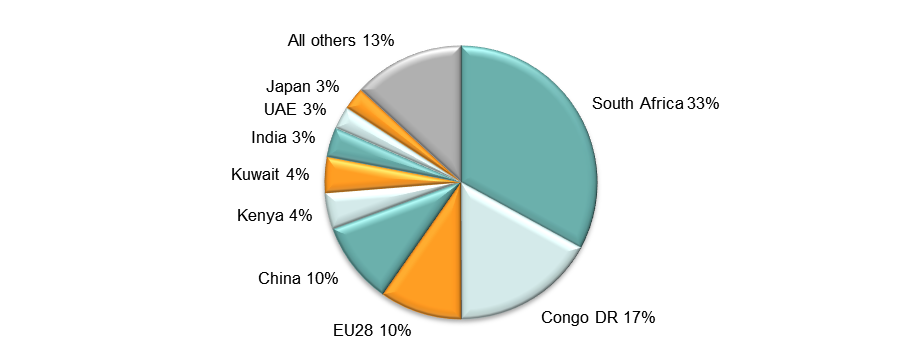
Source: ‘The Atlas of Economic Complexity’, Center for International Development at Harvard University (<http://www.atlas.cid.harvard.edu>).

1. Top import products, Zambia (average 2011–13)



Note: At Harmonised System 6-digit level.  
Source: Authors’ calculations using data from UN COMTRADE database.

1. Top import sources, Zambia (average 2011–13)



Source: Authors’ calculations using data from UN COMTRADE database.

## Diversification

1. Export diversification index, Zambia, 1965–2010

Notes:  
Higher values reflect lower diversification.  
**Extensive export diversification** reflects an increase in the number of export products or trading partners.  
**Intensive export diversification** considers the shares of export volumes across active products or trading partners. Thus, a country is less diversified when export revenues are driven by only a few sectors or trading partners, even though the country might be exporting many different goods or to many different trading partners. Countries with a more evenly balanced mix of exports or trading partners have a higher level of intensive diversification.  
Source: DFID–IMF Diversification Toolkit (<http://www.imf.org/external/np/res/dfidimf/diversification.htm>): Export Diversification Database.

1. Export quality index, Zambia, 1966–2010

Source: DFID–IMF Diversification Toolkit (<http://www.imf.org/external/np/res/dfidimf/diversification.htm>): Export Quality Database.

1. Number of export items and markets, Zambia, 2005–13

Note: EU countries counted individually.  
Source: Authors’ calculation using data from the UN’s COMTRADE database.

1. Number of import items and suppliers, Zambia, 2005–13

Note: EU countries counted individually.  
Source: Authors’ calculation using data from the UN’s COMTRADE database.

## Revealed comparative advantage

1. Revealed comparative advantage by HS Section, Zambia

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **HS Sect.** | **Product label** | **2005** | **2006** | **2007** | **2008** | **2009** | **2010** | **2011** | **2012** | **2013** |
|  | **Total in HS 1-97** | **1.00** | **1.00** | **1.00** | **1.00** | **1.00** | **1.00** | **1.00** | **1.00** | **1.00** |
| 1 | Live animals; animal products | 0.37 | 0.05 | 0.28 | 0.07 | 0.21 | 0.08 | 0.05 | 0.06 | 0.05 |
| 2 | Vegetable products | 2.32 | 1.40 | 1.45 | 1.02 | 0.77 | 0.55 | 1.28 | 2.03 | 1.07 |
| 3 | Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal or vegetable waxes | 0.07 | 0.08 | 0.61 | 0.08 | 0.08 | 0.08 | 0.35 | 0.60 | 0.50 |
| 4 | Prepared foodstuffs; beverages, spirits and vinegar; tobacco and manufactured tobacco substitutes | 3.00 | 1.43 | 1.27 | 1.07 | 1.42 | 1.39 | 1.19 | 1.65 | 2.17 |
| 5 | Mineral products | 0.59 | 0.79 | 0.49 | 0.89 | 0.86 | 0.52 | 0.19 | 0.18 | 0.28 |
| 6 | Products of the chemical or allied industries | 0.09 | 0.05 | 0.22 | 0.15 | 0.19 | 0.19 | 0.25 | 0.36 | 0.67 |
| 7 | Plastics and articles thereof; rubber and articles thereof | 0.07 | 0.07 | 0.02 | 0.07 | 0.12 | 0.07 | 0.02 | 0.07 | 0.07 |
| 8 | Raw hides and skins, leather, furskins and articles thereof; saddlery and harness; travel goods, handbags and similar containers; articles of animal gut (other than silk-worm gut) | 3.28 | 0.31 | 0.22 | 0.23 | 0.33 | 0.10 | 0.09 | 0.12 | 0.71 |
| 9 | Wood and articles of wood; wood charcoal; cork and articles of cork; manufactures of straw, of esparto or of other plaiting materials; basketware and wickerwork | 0.95 | 0.14 | 0.15 | 0.23 | 0.22 | 0.23 | 0.21 | 1.50 | 0.15 |
| 10 | Pulp of wood or of other fibrous cellulosic material; recovered (waste and scrap) paper or paperboard; paper and paperboard and articles thereof | 0.48 | 0.05 | 0.02 | 0.03 | 0.12 | 0.11 | 0.16 | 0.18 | 0.09 |
| 11 | Textiles and textile articles | 0.92 | 0.48 | 0.32 | 0.24 | 0.24 | 0.16 | 0.31 | 0.35 | 0.25 |
| 12 | Footwear, headgear, umbrellas, sun umbrellas, walking-sticks, seat-sticks, whips, riding-crops and parts thereof; prepared feathers and articles made therewith; artificial flowers; articles of human hair | 0.19 | 0.10 | 0.06 | 0.08 | 0.07 | 0.03 | 0.03 | 0.03 | 0.02 |
| 13 | Articles of stone, plaster, cement, asbestos, mica or similar materials; ceramic products; glass and glassware | 0.03 | 0.05 | 0.03 | 0.04 | 0.03 | 0.06 | 0.12 | 0.26 | 0.05 |
| 14 | Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad with precious metal and articles thereof; imitation jewellery; coin thereof; imitation jewellery; coin | 0.67 | 0.30 | 0.41 | 0.31 | 0.36 | 0.35 | 0.46 | 0.95 | 1.13 |
| 15 | Base metals and articles of base metal | 8.27 | 8.63 | 8.44 | 7.97 | 9.49 | 10.06 | 9.93 | 9.69 | 9.55 |
| 16 | Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles | 0.04 | 0.10 | 0.07 | 0.10 | 0.10 | 0.06 | 0.16 | 0.09 | 0.13 |
| 17 | Vehicles, aircraft, vessels and associated transport equipment | 0.01 | 0.01 | 0.04 | 0.04 | 0.08 | 0.03 | 0.07 | 0.07 | 0.09 |
| 18 | Optical, photographic, cinematographic, measuring, checking, precision, medical or surgical instruments and apparatus; clocks and watches; musical instruments; parts and accessories thereof | 0.00 | 0.00 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | 0.02 | 0.07 |
| 19 | Arms and ammunition; parts and accessories thereof | 0.00 | 0.01 | 0.02 | 0.00 | 0.00 | 0.01 | 0.04 | 0.02 | 0.00 |
| 20 | Miscellaneous manufactured articles | 0.01 | 0.01 | 0.21 | 0.01 | 0.04 | 0.03 | 0.01 | 0.03 | 0.06 |
| 21 | Works of art, collectors’ pieces and antiques | 0.40 | 0.17 | 0.14 | 0.18 | 0.19 | 0.21 | 0.21 | 0.21 | 2.44 |

Note: Share of country’s exports in each HS Section in country’s total exports as a ratio of share of world exports in each HS Section in world total exports. ‘World’ = UN COMTRADE’s ‘all countries’ aggregate, i.e. total of however many countries have reported their data in any given year.   
Source: Authors’ calculations using data from the UN’s COMTRADE database.

## Trade in value added

1. Compound annual growth rate of domestic value added, foreign value added and exports, 1996-2011 and 2006-11, Zambia

Source: Own computations using Eora26 database

1. Domestic and foreign value added content of gross exports as share of gross exports, 1996, 2000, 2006 and 2011, Zambia

Source: Own computations using Eora26 database

1. Overall value of domestic and foreign value added, 1996, 2000, 2006 and 2011 (in USD 1,000) , Zambia

Source: Own computations using Eora26 database

1. Compound annual growth rate of DVA embodied in gross exports by sector, 1996-2011 and 2006-2011, Zambia

Source: Own computations using Eora26 database

1. Sectoral DVA embodied in exports as a share of sectoral gross exports, 2000 and 2011, Zambia

Source: Own computations using Eora26 database

1. Sectoral DVA as a share of total DVA, 2000 and 2011, Zambia

Source: Own computations using Eora26 database

1. Compound annual growth rate of FVA embodied in gross exports by sector, 1996-2011 and 2006-2011, Zambia

Source: Own computations using Eora26 database

1. Sectoral FVA embodied in exports as a share of sectoral gross exports, 2000 and 2011, Zambia

Source: Own computations using Eora26 database

1. Sectoral FVA as a share of total FVA, 2000 and 2011, Zambia

Source: Own computations using Eora26 database

## Trade in services

1. Exports of goods and services, Zambia

Source: Authors’ calculation using data from the World Bank’s World Development Indicators.

1. Sectoral shares of services exports, Zambia

Source: Authors’ calculation using data from the World Bank’s World Development Indicators.

# Estimates of total factor productivity at firm level

1. Dispersion in productivity across firms by sector – Zambia



Source: Authors’ calculations using data from World Bank Enterprise Surveys (<http://www.enterprisesurveys.org/>).

1. Distribution in productivity in Zambia – comparing kernel and normal distributions



Source: Authors’ calculations using data from World Bank Enterprise Surveys (<http://www.enterprisesurveys.org/>).

# Wages by occupation

1. Relative wages in Zambia

Source: Monthly wages in US$ (adjusted: Oostendorp 2012) (stata variable mw3wuus), see <http://www.nber.org/oww/> – occupational wages compared to country average for that year.