



## Country Fact Sheet Zambia

| LAND AND POPULATION  | Year                      | Value    | Unit                  |                             |       |          |                             |       |          |  |  |  |
|--|---------------------------|----------|-----------------------|-----------------------------|-------|----------|-----------------------------|-------|----------|--|--|--|
| <b>Area</b>  |                           |          |                       |                             |       |          |                             |       |          |  |  |  |
| Country total area   | 2016                      | 75 261   | 1 000 ha              |                             |       |          |                             |       |          |  |  |  |
| Cultivated area (arable land + permanent crops)  | 2016                      | 3 836    | 1 000 ha              |                             |       |          |                             |       |          |  |  |  |
| <b>Population</b>  |                           |          |                       |                             |       |          |                             |       |          |  |  |  |
| Total population   | 2017                      | 17 094   | 1 000                 |                             |       |          |                             |       |          |  |  |  |
| Population density   | 2017                      | 22.71    | inhab/km <sup>2</sup> |                             |       |          |                             |       |          |  |  |  |
| Rural population   | 2017                      | 10 163   | 1 000                 |                             |       |          |                             |       |          |  |  |  |
| Economically active population in agriculture  | 2014                      | 3 642    | 1 000                 |                             |       |          |                             |       |          |  |  |  |
| As % of total economically active population   | 2014                      | 60.72    | %                     |                             |       |          |                             |       |          |  |  |  |
| RENEWABLE WATER RESOURCES (RWR)  | Year                      | Value    | Unit                  |                             |       |          |                             |       |          |  |  |  |
| <b>Long-term average annual precipitation</b>  |                           |          |                       |                             |       |          |                             |       |          |  |  |  |
| Depth  |                           | 1 020    | mm/year               |                             |       |          |                             |       |          |  |  |  |
| Volume   |                           | 767.7    | km <sup>3</sup> /year |                             |       |          |                             |       |          |  |  |  |
| <b>Long-term average annual RWR</b>  |                           |          |                       |                             |       |          |                             |       |          |  |  |  |
| Internal (IRWR)  |                           | 80.2     | km <sup>3</sup> /year |                             |       |          |                             |       |          |  |  |  |
| External (ERWR)  |                           | 24.6     | km <sup>3</sup> /year |                             |       |          |                             |       |          |  |  |  |
| Total Actual (TRWR)  |                           | 104.8    | km <sup>3</sup> /year |                             |       |          |                             |       |          |  |  |  |
| Dependency ratio   |                           | 23.47    | %                     |                             |       |          |                             |       |          |  |  |  |
| TRWR per capita  | 2017                      | 6 131    | m <sup>3</sup> /year  |                             |       |          |                             |       |          |  |  |  |
| <b>Total dam capacity</b>  | 2015                      | 101.1    | km <sup>3</sup>       |                             |       |          |                             |       |          |  |  |  |
| WATER WITHDRAWAL   | Year                      | Value    | Unit                  |                             |       |          |                             |       |          |  |  |  |
| <b>By sector</b>   |                           |          |                       |                             |       |          |                             |       |          |  |  |  |
| Agricultural   | 2002                      | 1.152    | km <sup>3</sup>       |                             |       |          |                             |       |          |  |  |  |
| Municipal  | 2000                      | 0.29     | km <sup>3</sup>       |                             |       |          |                             |       |          |  |  |  |
| Industrial   | 2000                      | 0.13     | km <sup>3</sup>       |                             |       |          |                             |       |          |  |  |  |
| <b>Total</b>   | 2002                      | 1.572    | km <sup>3</sup>       |                             |       |          |                             |       |          |  |  |  |
| Total water withdrawal per capita  | 2002                      | 141.4    | m <sup>3</sup>        |                             |       |          |                             |       |          |  |  |  |
| <b>By source</b>   |                           |          |                       |                             |       |          |                             |       |          |  |  |  |
| Surface water withdrawal   | 1992                      | 1.68     | km <sup>3</sup>       |                             |       |          |                             |       |          |  |  |  |
| Groundwater withdrawal   | 1992                      | 0.067    | km <sup>3</sup>       |                             |       |          |                             |       |          |  |  |  |
| <b>Total freshwater withdrawal</b>   | 2002                      | 1.572    | km <sup>3</sup>       |                             |       |          |                             |       |          |  |  |  |
| Desalinated water produced   |                           | -        | km <sup>3</sup>       |                             |       |          |                             |       |          |  |  |  |
| Direct use of treated municipal wastewater   |                           | -        | km <sup>3</sup>       |                             |       |          |                             |       |          |  |  |  |
| Direct use of agricultural drainage water  |                           | -        | km <sup>3</sup>       |                             |       |          |                             |       |          |  |  |  |
| <b>Pressure on water resources</b>   |                           |          |                       |                             |       |          |                             |       |          |  |  |  |
| Total freshwater withdrawal as % of TRWR   | 2002                      | 1.5      | %                     |                             |       |          |                             |       |          |  |  |  |
| Agricultural water withdrawal as % of TRWR   | 2002                      | 1.099    | %                     |                             |       |          |                             |       |          |  |  |  |
| IRRIGATION AREAS   | Year                      | Value    | Unit                  |                             |       |          |                             |       |          |  |  |  |
| <b>Area equipped for irrigation</b>  |                           |          |                       |                             |       |          |                             |       |          |  |  |  |
| Full control irrigation  | 2002                      | 55.39    | 1 000 ha              |                             |       |          |                             |       |          |  |  |  |
| <table border="1"> <tr> <td>surface irrigation (2002)</td> <td>32.19</td> <td>1 000 ha</td> </tr> <tr> <td>sprinkler irrigation (2002)</td> <td>17.57</td> <td>1 000 ha</td> </tr> <tr> <td>localized irrigation (2002)</td> <td>5.628</td> <td>1 000 ha</td> </tr> </table> | surface irrigation (2002) | 32.19    | 1 000 ha              | sprinkler irrigation (2002) | 17.57 | 1 000 ha | localized irrigation (2002) | 5.628 | 1 000 ha |  |  |  |
| surface irrigation (2002)  | 32.19                     | 1 000 ha |                       |                             |       |          |                             |       |          |  |  |  |
| sprinkler irrigation (2002)  | 17.57                     | 1 000 ha |                       |                             |       |          |                             |       |          |  |  |  |
| localized irrigation (2002)  | 5.628                     | 1 000 ha |                       |                             |       |          |                             |       |          |  |  |  |
| Equipped lowland areas   | 2002                      | 100.5    | 1 000 ha              |                             |       |          |                             |       |          |  |  |  |
| Spate irrigation   |                           | -        | 1 000 ha              |                             |       |          |                             |       |          |  |  |  |
| <b>Total area equipped for irrigation</b>  | 2002                      | 155.9    | 1 000 ha              |                             |       |          |                             |       |          |  |  |  |
| As % of cultivated area  | 2002                      | 5.959    | %                     |                             |       |          |                             |       |          |  |  |  |
| Area actually irrigated  | 2002                      | 155.9    | 1 000 ha              |                             |       |          |                             |       |          |  |  |  |
| As % of area equipped for irrigation   | 2002                      | 100      | %                     |                             |       |          |                             |       |          |  |  |  |

Notes: 1 km<sup>3</sup> = 10<sup>9</sup> m<sup>3</sup> = 1 000 million m<sup>3</sup>; 1 ha = 1 hectare = 10 000 m<sup>2</sup>