

Employment per sector

To calculate estimates of employment per sector the following data sources was utilised.

- Quantec 2009 employment figures at the Local Municipal (LM) level
- Quantec 2009 GVA figures per sector (nine sectors) for each LM (this was also used and proxy data)

A standard process was followed to determine the employment totals for each of the following sectors:

- Primary sector
 - Agriculture, forestry and fishing
 - Mining and quarrying
- Secondary sector
 - Manufacturing
 - Electricity, gas and water
- Tertiary sector
 - Wholesale and retail trade, catering and accommodation
 - Transport, storage and communication
 - Finance, insurance, real estate and business services
 - Community, social and personal services; as well as general government

The GVA for each of these sectors was used as the proxy variable for employment. This was done by following the following steps:

1. Obtain the GVA for the sector in question at the LM level;
2. Obtain the employment figures per LM;
3. Calculate the ratio between GVA and employment, in essence the production value per individual for the sector;
4. Apply this ratio (as calculated above) to the GVA figures per mesozone, i.e. the data that was prepared in a previous process which yielded the GVA production per mesozone for each of the sectors as mentioned earlier.
5. The result is an approximation of the number of employed people per sector in each mesozone.

Note: This employment figure is indicative of employment at place of work and not place of residence as the GVA figures per mesozone are based on whether there is activity for that sector present in the specific mesozone, e.g. a mine or factory.