



## Further Information eThekweni Municipality

| Line Department  | Web site   |
|--|--|
| Water and Sanitation                                     | <a href="http://www.durban.gov.za/City_Services/water_sanitation/">www.durban.gov.za/City_Services/water_sanitation/</a>   |
| Energy Office  | <a href="http://www.durban.gov.za/Resource_Centre/Current%20Projects%20and%20Programmes/energyoffice">www.durban.gov.za/Resource_Centre/Current%20Projects%20and%20Programmes/energyoffice</a>   |
| Environmental Planning and Climate Protection            | <a href="http://www.durban.gov.za/City_Services/development_planning_management/environmental_planning_climate_protection/">www.durban.gov.za/City_Services/development_planning_management/environmental_planning_climate_protection/</a> |
| Infrastructure Management and Socio Economic Development | <a href="http://www.durban.gov.za/City_Services/engineering%20unit/imsed/">www.durban.gov.za/City_Services/engineering%20unit/imsed/</a>   |
| Economic Development                                     | <a href="http://www.durban.gov.za/City_Services/Economic_Development/">www.durban.gov.za/City_Services/Economic_Development/</a>   |
| Cleansing and Solid Waste Management                     | <a href="http://www.durban.gov.za/City_Services/cleansing_solid_waste/">www.durban.gov.za/City_Services/cleansing_solid_waste/</a>   |

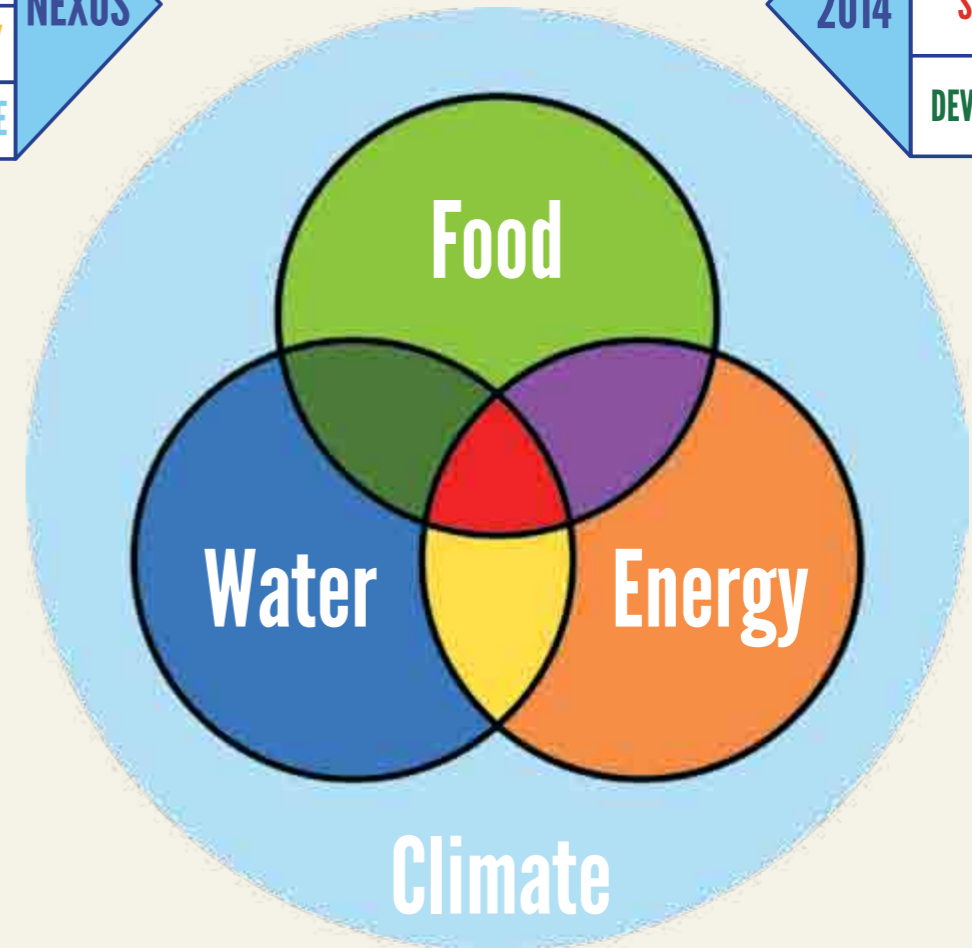
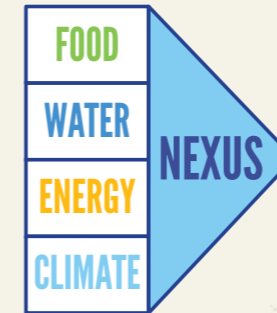
## Key Collaborating Organisations

| Organisation  | Web site   |
|---|--|
| University of KwaZulu-Natal – Pollution Research Group                          | <a href="http://prg.ukzn.ac.za">prg.ukzn.ac.za</a>                               |
| Durban University of Technology – Institute for Water and Wastewater Technology | <a href="http://www.dut.ac.za">www.dut.ac.za</a>                                 |
| Khanyisa Projects   | <a href="http://www.khanyisapr.co.za">www.khanyisapr.co.za</a>                   |
| Partners in Development   | <a href="http://www.pid.co.za">www.pid.co.za</a>                                 |
| Bremen Overseas Research & Development Association (BORDA)                      | <a href="http://www.borda-net.org">www.borda-net.org</a>                         |
| The Hering Group  | <a href="http://www.heringinternational.co.za">www.heringinternational.co.za</a> |
| Swiss Federal Institute of Aquatic Science and Technology (EAWAG)               | <a href="http://www.eawag.ch">www.eawag.ch</a>                                   |
| Centre of Expertise   | <a href="http://www.coe.org.za">www.coe.org.za</a>                               |
| The Bill & Melinda Gates Foundation   | <a href="http://www.gatesfoundation.org">www.gatesfoundation.org</a>             |
| The Water Research Commission   | <a href="http://www.wrc.org.za">www.wrc.org.za</a>                               |
| Veolia Water Solutions & Technologies   | <a href="http://www.veoliawaterst.co.za">www.veoliawaterst.co.za</a>             |

# nexus



# FOOD WATER **nexus** ENERGY CLIMATE





# The Food-Water-Energy-Climate Nexus

**Nexus:** "the connection or series of connections linking two or more things" (Oxford Dictionary).

## What is the "Nexus"?

The world is facing enormous challenges with the supply of food, water and energy becoming increasingly scarce particularly in developing countries. Actions can be taken to improve one of more of these problems, but often to the detriment of another. It is therefore essential to understand how food, water and energy are interlinked and how they impact on one another, and to increase awareness on why greater coordination is necessary. For example, more food or energy has, so far, come at a high cost of rising water consumption. It is therefore clear that in an interlinked world isolated solutions aimed at just one sector are not sustainable. This will require the work of individuals, businesses and government.



# eThekweni Municipality

eThekweni Municipal Area (EMA) is located on the eastern seaboard of South Africa within the Province of KwaZulu-Natal and covers an area of 2 297 square kilometres. While the total area of the EMA is only 1.4% of the total area of the province, it contains just over a third of the population of KwaZulu-Natal (approximately 3.6 million people) and 60% of its economic activity.

A significant proportion of the population lives in low-income townships, including informal settlements. This makes it difficult to identify the exact number of households within the Municipality and numbers are estimated based on aerial photography. A survey carried out in 2011 identified the presence of just over 912 400 households within the EMA consisting of formal houses (54%); informal settlements including backyard shacks (34%); and rural households (12%). The diverse nature of the landscape, the mix of urban, peri-urban and rural households, and the rapidly growing migration of people to the city all pose a challenge to the Municipality in terms of provision of services such as housing, water, sanitation and energy.

The city's vision is as follows: "By 2030, eThekweni will enjoy the reputation of being Africa's most caring and liveable City, where all citizens live in harmony".

## eThekweni Partnership

The Municipality is divided into a number of Units, each of which has a clear role in achieving the aims of the Integrated Development Plan. With regards to projects falling within the Food-Water-Energy-Climate nexus, the following Units are key in the formulation, piloting and implementation phases: Water and Sanitation, Energy Office, Environmental Planning & Climate Protection, Infrastructure Management & Socio - Economic Development, Economic Development, Cleansing and Solid Waste. The majority of the projects undertaken by the Municipality are carried out in conjunction with collaborating organisations from research and private sector. By creating these partnerships we want to achieve a green economy to reach a sustainable future.

