



2013
IMESA
CONFERENCE



23-25 October 2013

nelson mandela bay
PORT ELIZABETH

Municipal Engineering: Meeting People's Needs



Consulting Engineers South Africa

THE VOICE OF CONSULTING ENGINEERING

IMESA Conference 2013

Who is responsible for meeting people's needs?

Message Outline

1. Call back the past



2. A world perspective on people's needs



3. What needs to be done and who is responsible?

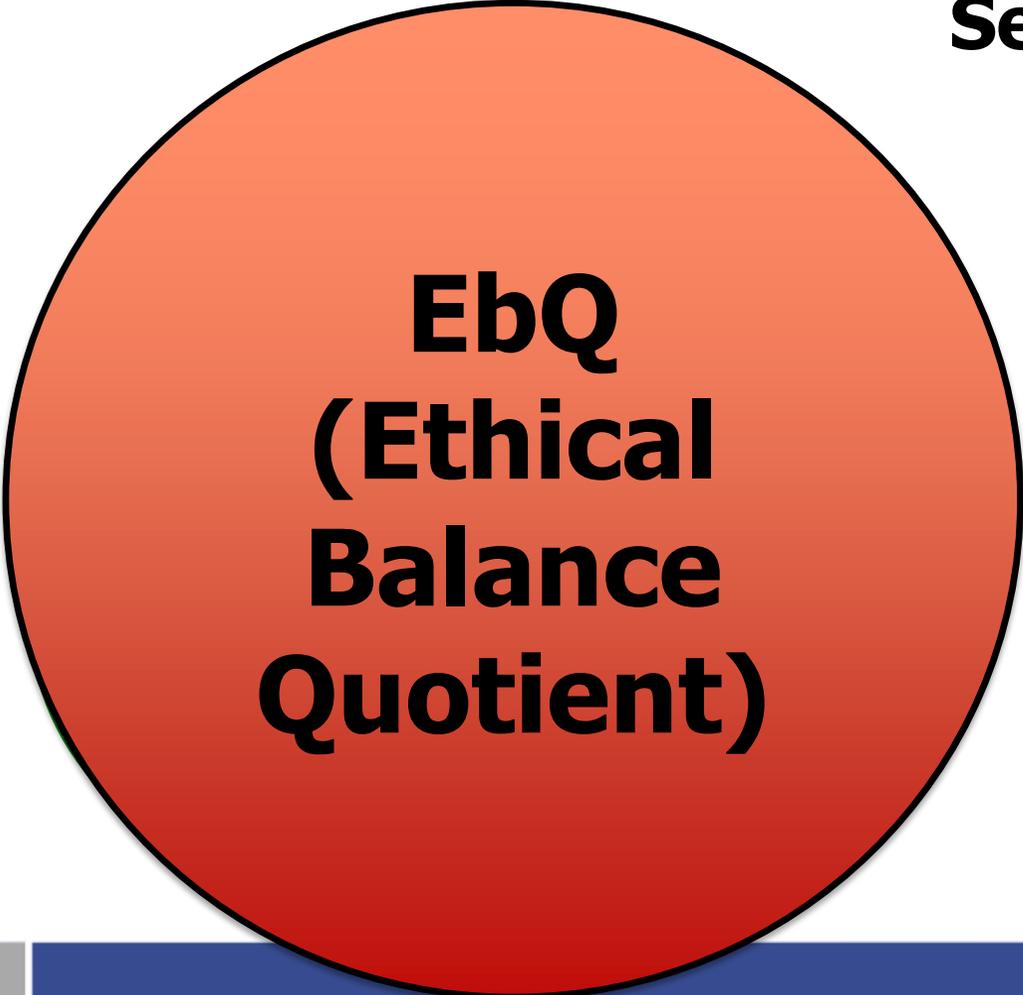
4. Meeting people's needs is more than merely providing long-drops!!



1. Call back the past

IMESA 2012 : Reincarnation of the Municipal Engineer

Punch line : “We all have a unique Ethical Balance!”



**EbQ
(Ethical
Balance
Quotient)**

Set the right example

leaders in all spheres of client **and** service provider organizations to be handpicked on their ethical balance

~~Your potential =
 $IQ + EQ + PhQ + EbQ$~~

Your potential =
 $(IQ + EQ + PhQ) \times EbQ$

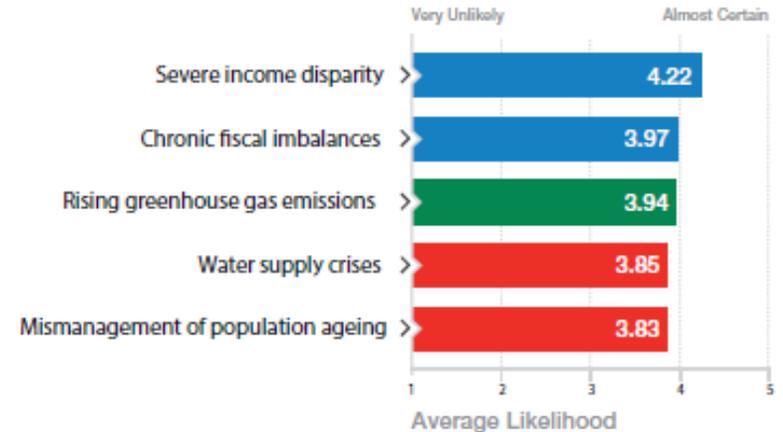


2013 top 5 risks by likelihood :

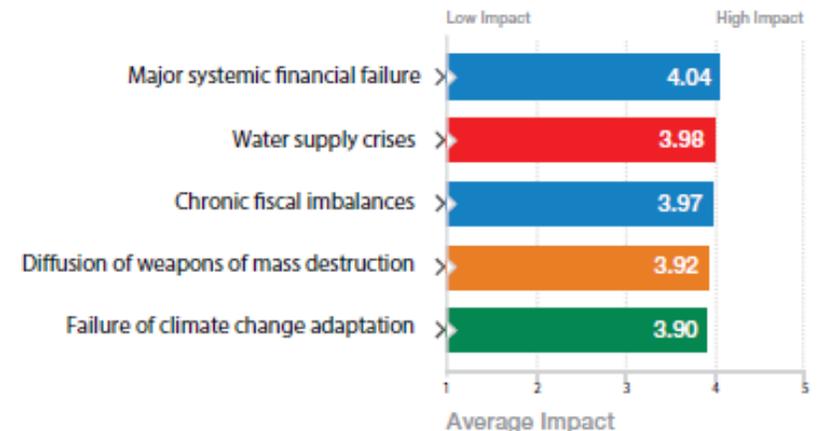
- Severe income disparity
- Chronic Fiscal imbalances
- Rising greenhouse gas emissions
- Water supply crisis
- Mismanagement of population ageing

Top 5 risks by likelihood and impact

Likelihood



Impact



2. A world perspective on people's needs_(2 of 4)

Sustainability is:

"Development that meets the needs of the present without compromising the ability of future generations to meet their own needs".

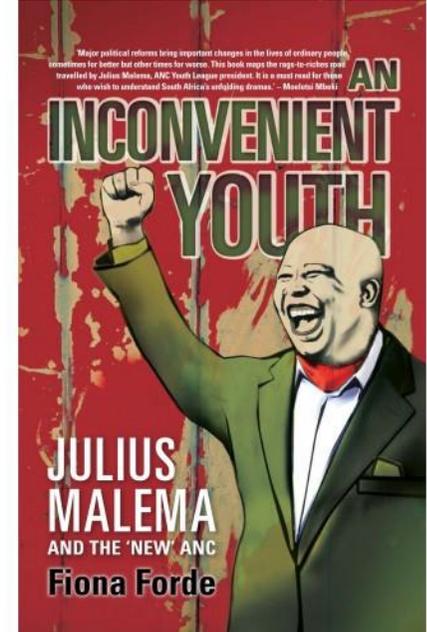
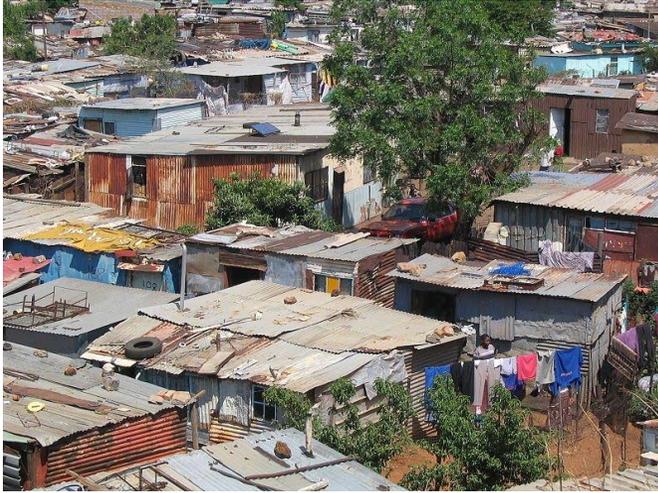
Millennium

Development

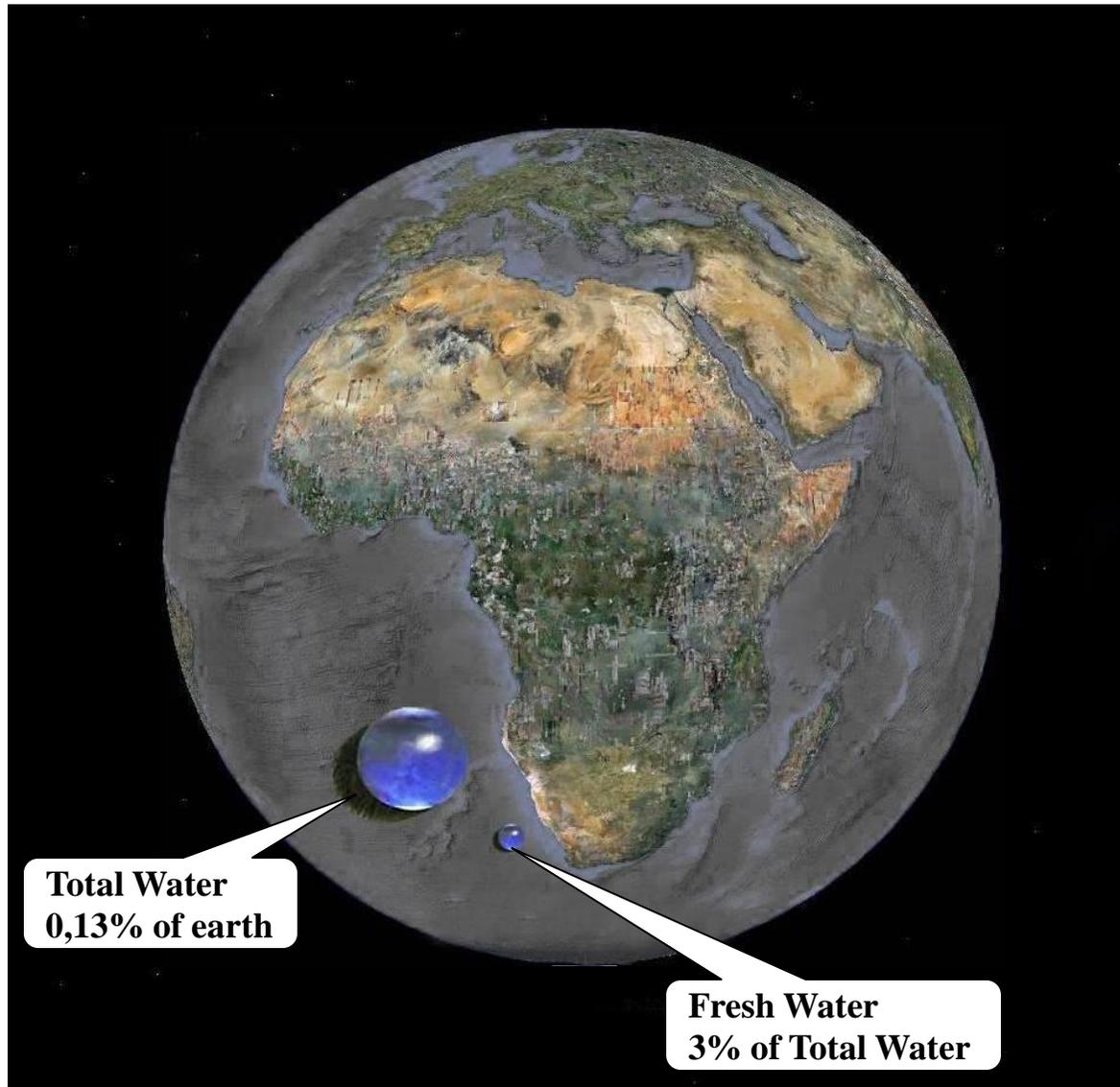
Goals



2. A world perspective on people's needs (3 of 4)



2. A world perspective on people's needs_(4 of 4)



1. Education
2. Economic & Political certainty
3. Jobs
4. Eradicate corruption
5. Responsible development

3. What needs to be done & who is responsible

No

The need

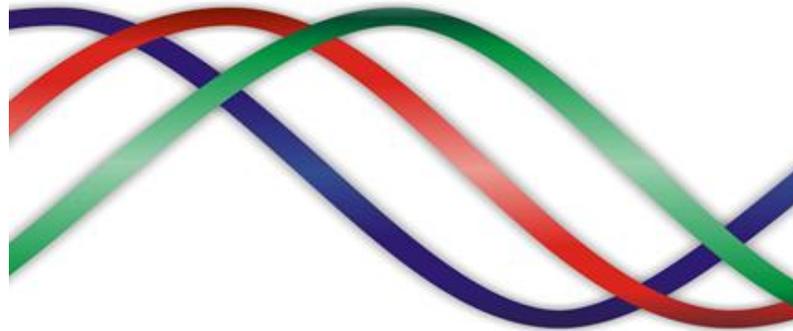
Who is responsible?

4. Meeting people's needs is more than merely providing long-drops!! (1 of 2)

Innovation process and parties involved

Triple helix model symbolises the union between key elements in innovation and the valorisation* process

- Universities
- Municipalities
- Business



* to fix and maintain an artificial price for (a commodity) by governmental action

4. Meeting people's needs is more than merely providing long-drops!! (2 of 2)

As Municipal Engineers and your Consulting Engineers who assist you with meeting people's needs, have you ?



In order to meet people's needs you have to know what their needs are!



Thank You!



Dank u wel!

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