

CoE-MaSS weekly seminar series

THE DST-NRF CENTRE OF EXCELLENCE IN MATHEMATICAL AND
STATISTICAL SCIENCES (CoE-MaSS) WOULD LIKE TO PRESENT
A SEMINAR BY

Prof Warren Brettenny

*(Department of Statistics, Nelson Mandela Metropolitan University,
South Africa)*

“Efficiency Analysis of South African Water and Electricity Service Provision”

Friday, 24 March 2017
10h30-11h30



Broadcast live from:
Videoconferencing Facility, 1st Floor
Mathematical Sciences Building, Wits West Campus

How to connect to this seminar remotely:

You can connect remotely via Vidyo to this research seminar by clicking on this link:
<http://wits-vc.tenet.ac.za/flex.html?roomdirect.html&key=y0SSOwFsvsidbzig4qFdWXvvQtyl>
and downloading the Vidyo software before the seminar.

You must please join in the virtual venue (called “CoE Seminar Room (Wits)” on Vidyo)
strictly between **10h00-10h15**. No latecomers will be added.

Important videoconferencing netiquette:

Once the seminar commences, please mute your own microphone so that there is no feedback from your side into the virtual room. During the Q&A slot you can then unmute your microphone if you have a question to ask the speaker.

Title:

Efficiency Analysis of South African Water and Electricity Service Provision

Presenter:

Prof Warren Brettenny, Department of Statistics, Nelson Mandela Metropolitan University, South Africa, Warren.Brettenny@nmmu.ac.za

Abstract:

Econometric efficiency analysis allows for the comparison of public utilities according to their ability to deliver services whilst, at the same time, use minimum resources. A nonparametric technique, data envelopment analysis (DEA), and a parametric technique, stochastic frontier analysis (SFA), are presented and used to provide an assessment of the provision of water and electricity services in South Africa. The results of this analysis provide insight into of the level of service provision and where improvements are necessary as well as an indication of how these techniques might be used to enhance the provision of these services to the public.