

## **Review and update of the water balance models for Lake Victoria**

*R.A. Ojala*

Kenya Meteorological Department, Nairobi, Kenya

amunyelet@yahoo.com

Attempts to Model the anomalous hydrological behavior of Lake Victoria have been made with varying degrees of success in the last century.

In this study a review of various previous water balance studies on the lake Victoria made and an attempt using a previously developed monthly and annual Models to investigate further the link between rainfall and the lake levels performed.

The main aim has been to review and extend the previous studies from 1925 to the end of the last century. The results confirm that the main cause of the variations in the observed lake levels is through natural variations in rainfall and resulting tributary inflows which would allow projections of possible future levels to be made by analysis of rainfall series.

**Wednesday III (Talk)**