



ROLE OF THE SCHOOL OF STATISTICS AND PLANNING IN IMPLEMENTATION OF THE FDES (2013)

By

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BACKGROUND INFORMATION

- ❖ The then Institute of Statistics and Applied Economics (ISAE) was established as an autonomous institute within the legal framework of Makerere University in July 1969
- ❖ It was set up to provide facilities for the high level professional training of personnel in statistics and applied economics
- ❖ Under the United Nations STPA (1978-93), the ISAE was designated as one of the regional statistical training centres in the African region

Background Information

- ❖ When the STPA ceased, the ISAE continued to provide training and advisory services to countries in East Africa and other African countries
- ❖ Today we train students from Uganda, Botswana, Kenya, Lesotho, Malawi, South Africa, Tanzania, Zambia, Zimbabwe, South Sudan, Eritrea, Ethiopia, Somalia, Liberia, Rwanda and Sierra Leone
- ❖ Makerere University adapted to the Collegiate system in 2011
- ❖ Consequently the ISAE merged with the Faculty of Economics and Management to form the College of Business & Management Sciences (CoBAMS)

Background Information

- ❖ ISAE then changed name to SSAE and later to School of Statistics and Planning (SSP)
- ❖ SSP has an Advisory Council since 1969
- ❖ Membership of the council includes Makerere University, Ministry of Finance, Planning and Economic Dev't (Uganda), Ministry of Education (Uganda), UBOS, EASTC, COMESA, and Representatives of Governments in the regional project scheme
- ❖ The SSP is headed by a Dean who is elected by academic staff and appointed by The University Appointments Board, for a period of four years (renewal once)

DEPARTMENTS & PROGRAMMES

Department of Statistical Methods & Actuarial Sciences

- Bachelor of Statistics
- Bachelor of Science in Actuarial Sciences
- Post-Graduate Diploma in Statistics
- Masters of Statistics
- PhD (Statistics)

Department of Planning and Applied Statistics

- Bachelor of Science in Quantitative Economics
- Bachelor of Science in Business Statistics
- Master of Science in Quantitative Economics

Department of Population Studies

- Bachelor of Science in Population Studies
- Post-Graduate Diploma in Demography
- Master of Arts in Demography
- Master of Science in Population and Reproductive Health
- PhD in Population Studies

TEACHING OF ENVIRONMENT STATISTICS

- ❖ 1980s to 2011, two separate course units taught to Bachelor of Statistics 2nd year students:
 - Industrial Statistics
 - Energy & Environment Statistics
- ❖ Academic year 2011/12, curriculum reviewed to create new course unit Industrial, Energy & Environment Statistics (IEES)
- ❖ IEES taught only to 3rd year Bachelor of Statistics students
- ❖ Development of teaching content based on ISIC, IRES, FDES, IRWS, UN-Habitat suggestions on Human Settlement, Country Experiences

- ❖ Teaching of FDES (2013) started in academic year 2013/14, particularly February 2014 (Semester II)

- ❖ Teaching approach for Environment Statistics
 - Class Lectures
 - Students grouped according to Components (except Component 6 – Env. protection, management & engagement)
 - . students collect data on particular statistics topics under the components (sources: UBOS, NEMA, NFA, UNMA, MWE, openfora data website, World tables)
 - . carry out analysis / re-analysis (mainly descriptive) and produce simple ten-page reports
 - . discussions in class plenary by groups

OPEN THOUGHT ON FDES (2013)

- ❖ More organised and more comprehensive than the FDES (1984)
- ❖ Covers almost all aspects of the environment
- ❖ Could be easier to implement than the FDES (1984), as it makes clear the Statistics Topics, and Tiers of Statistics to be generated
- ❖ Provides more detail for training institutions
- ❖ May not require development of many other Component / Sub-component Classifications / Recommendations

Open thought On FDES (2013)

FDES (1984)	FDES (2013)
Flora	Environment conditions and Quality
Fauna	Environmental resources and use
Atmosphere	Residuals
Water (fresh & marine)	Extreme events & disasters
Land / Soil	Human settlements & Environmental Health
Human settlements	Environment protection, management & engagement

Statistical topics for 1984 categorised into: social & economic activities, natural events; Env. impacts of the activities & events; Responses to environment impacts; Inventories, stocks & background conditions

Open thought On FDES (2013)

However,

- ✓ Urgent need for Manual on production of the Statistics as framework implementation output may give more data than actual statistics for policy (e.g. number of forests, area covered by forests, number of people killed, number of facilities, etc.)
- ✓ Demand for statistics seems over and above capacity of countries (a total of 458 statistics – 100 / 200 / 158)
- ✓ Classification of statistics (Tiers) missed out on some needs of developing countries (e.g. disasters)

Open thought On FDES (2013)

On the overall, FDES (2013), if implemented in a timely manner, will go a long way in providing a clear statistical picture of the state of the environment; which is very crucial for achievement of SDGs

Prospects for implementation of FDES (2013) in Uganda

Proposal developed in 2014 and awaits funding

SSP NEEDS

- ❖ Provision of hard copies of FDES (2013) for students
- ❖ Study tours for staff and students
- ❖ Training of Trainers workshop
- ❖ PhD funding for PhD in Environment Statistics, as opposed to PhD in Environment Economics
- ❖ Resources for review of curriculum which is due late 2015
- ❖ Support for Development and conducting of a 2-weeks short course / training for Statisticians (to handle environment statistics) for the COMESA region
- ❖ Funding for the research work on implementation of FDES (2013) in Uganda