

African Regional Centre for Space Science and Technology Education - English



Building capacity for space
science and technology
application for Africans

Report to the 49th Session of the United Nations Committee on the Peaceful Uses of Outer Space (COPUOS)

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SCIENCE AND TECHNOLOGY EDUCATION - ENGLISH
Obafemi Awolowo University campus,
PMB 019 OAU PO, Ile-Ife, **NIGERIA.**

VIENNA, AUSTRIA
June 13, 2006.

Mission Statement

To build a high quality capacity of indigenous educators in English-speaking African countries for application of space science and technology for sustainable national, regional and continental development.

(<http://www.oauife.edu.ng/research/arcsstee>)

Milestones - ARCSSTEE

- Inaugurated on Nov. 24, 1998.
- Hosted by the Government of Nigeria (located at Obafemi Awolowo University campus, Ile-Ife).
- Centre is solely funded by NASRDA/FMST (OOSA gives travel support).
- Governing board (GB) is not functioning

Scientific Steering Committee (SSC)

- Director, ARCSSTE-E (**Prof. O. O. Jegede**)
- PGD Course Coordinator (**Dr. S. S. Okoya**)
- **Prof. A. T. Salami**
- **Prof. F. A. Adesina**
- **Prof. A. Amusa**
- **Prof. E. E. Balogun**
- **Prof. J. A. Omotosho**
- **Prof. E. O. Oladiran**
- **Prof. J. A. Adedokun**
- **Prof. E. O. Oladiran**
- **Dr. S. A. Adeniran**

PG Diploma Courses in SST Application

- **RS/GIS (since 1999)**
- **SatCom (since 2000)**
- **SatMet (since 2001)**
- **BSAS (2005)**

Curricula developed by the United Nations Programme on Space Application (UN-PSA).

PGD Programme

- Academic (in residence at ARCSSTE-E) – lectures + tutorials + practicals.
-written/practical exams at end of module.
- Field/practical exercises
- Workshops/seminars
- Study projects

Support

- Modern lecture rooms
- Computers/software
- Full internet connectivity
- Scholarships for foreign course participants:
 - Free Tuition
 - Hostel accommodation
 - Living allowance
 - Medical, social adaptation
- Outreach programme

RS/GIS course (January 2006)

- **Class size = 29**
- **11 participating African countries:**
Kenya (3), Liberia (1), Gambia (1), Sudan (2),
Ethiopia (3), Zambia (1), Uganda (1),
S/Africa (1), Cameroon (4), Malawi (1),
Nigeria (11)
- **Diverse academic fields**
- **Ages: 23 – 45**
- **Gender ratio: 27:2 (Male:Female)**

 **AFRICAN REGIONAL CENTRE FOR
SPACE SCIENCE AND TECHNOLOGY
EDUCATION IN ENGLISH**
OBAFEMI AWOLOWO UNIVERSITY CAMPUS,
P.M.B 019 OAU P.O. ILE-IFE, NIGERIA.



Calendar (RS/GIS course)

- **Jan. 21-24, 2006**: Arrival of foreign participants.
- **Jan. 25-31, 2006**: Registration/orientation week formalities.
- **Feb. 06**: Lectures commence/Module I – Fundamentals
- **May 06**: Beginning of Module II – Application
- **Aug. 06**: Beginning of Module III – Projects
- **Oct. 06**: End of the PGD course

NATIONAL SPACE RESEARCH & DEVELOPMENT AGENCY
WELCOMES YOU TO THE
OPENING CEREMONY
2006 POSTGRADUATE DIPLOMA COURSE
REMOTE SENSING/GIS
VENUE: CONFERENCE CENTRE, O.A.U. CAMPUS, ILE-IFE.
DATE: MONDAY, FEBRUARY 20, 2006. TIME: 10.00AM PROMPTLY



Professor B. O. O. Oluwalana
Vice-Chancellor
O.A.U. CAMPUS, ILE-IFE

Professor W. A. Bamidele, OFR
CHAIRMAN/CHIEF GUEST

Professor O. O. Ajakaiye
DIRECTOR, ARES/RS/RS/RS



2006 Postgraduate Diploma Course in Remote Sensing/GIS







Other PGD courses (on-going)

- **SatCom** (October, 2005)
Class size = 14
Nigerians participants only
- **BSAS** (October, 2005)
Class size = 4
Nigerian participants only

Workshops

- International Stakeholders Workshop on Geo-information system-based forest monitoring in Nigeria (**GEOFORMIN**) – Abuja, Nigeria. March 27 – 30, 2006.
- Schools' Workshop on Space Education – Ile-Ife, Nigeria. July 17-18, 2006.

Cultural/Adaptation

- Guest lectures given on topics of cultural interests and politics/international relations
- Excursions to historical places
- University-life environment

Cultural



Research Projects

- Nigeria Mesoscale Experiment (NIMEX) – collaboration between ARCSSTEE, 3 Universities in Nigeria, University of Bayreuth, Germany and International Programmes in the Physical Sciences, Sweden.
- Monitoring deforestation and its implications for biodiversity in Nigeria using NigeriaSat-1 and other satellites

Outreach Programme

- Schools' workshops on space education
- Media awareness campaigns
- Fabrication of mock-ups of satellites, launch-vehicles, etc.
- Space education curriculum development



Requests

- Data/additional equipment for training
- Hardware/software support (donations)
- Hosting of web-pages
- Endorsement of diploma certificates



Thank you.