

ANSTI and its activities 2008-09

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Overview and What is ANSTI?

- Overview
 - Why do we need regional cooperation mechanisms?
 - What is ANSTI?
 - Programme activities
 - The management Structure



Why African and Regional Cooperation?

Why regional Cooperation?

- Problems that need regional cooperation
 - **Resource Limitations** (i.e. the size of the finance, human and infrastructure resource required)
 - **Disparity in resource distribution** (different institutions and countries are at different stages of development in several areas)
 - **Isolation of individuals/ Scientists** (Scientific knowledge grows through exchange of ideas)



Rationale for Regional Cooperation

Rationale for regional Cooperation

- Cooperation will enable institutions, governments to overcome the problems highlighted. Such cooperation will have the following benefits:
 - Resource sharing (addresses the problem of disparity in resource)
 - Collective Resource mobilization (enhances the available resources size)
 - Information sharing (addresses the problem of isolation)



Types of Regional Cooperation

Types of Regional cooperation for capacity building:

Regional Centers of Excellence - Represents the pooling together of financial resources in order to establish and manage a regional Institution (e.g ARCT, ARCEDEM, etc)

Regional Networks – represents pooling together of the existing physical and human resources of institutions for the purpose of training (ANSTI, AAU and AAS are examples of this type)



Advantages and Disadvantages of Cooperation through Regional Centres

Cooperation through Regional Centers

- **Advantages**

- High quality residential training
- Good quality control

- **Disadvantages**

- Conflict over control and ownership
- High cost- expensive
- Highly specialized



Advantages and Disadvantages through Networks

Cooperation Through Regional Networks

- **Advantages**
 - Low Cost
 - Variety of training in different disciplines
- **Disadvantages**
 - Poor quality control

What is ANSTI ?

African Network of Scientific Technological Institutions, (ANSTI) is an organ of cooperation that embraces African Institutions engaged in University-level training and research in the fields of science and technology.

ANSTI was established in 1980 by UNESCO through the help of two donors:-

United Nations Development Programme (UNDP)

The Government of Germany

The Goal of ANSTI

ANSTI's aim is to develop high-level human resource capacity to undertake research and training in relevant areas of science and technology.

The Mission of ANSTI

To promote active collaboration among African Scientific Institutions for the purpose of training and research in relevant areas of science and technology

ANSTI members

Current Number of member
Institutions?

**184 member institutions
in 37 countries in sub-Saharan Africa**



Strategic Objectives of 2008-09

- To strengthen the staff of science and engineering training institutions.
- To facilitate the use of African Scientists in the Diaspora to strengthen teaching and research in science and engineering in universities.
- To promote the use of Information and Communication Technology (ICT) in the delivery of science and engineering education.
- To facilitate the sharing of scientific information and strengthen the coordinating mechanism of the Network.
- To strengthen research activities in relevant areas of Science & Technology.
- To provide a forum for the discussion of strategic issues in science and engineering education (including issues of quality and relevance).



Activities of ANSTI

- **ACTIVITIES**
 - Award and administration of post-graduate training fellowships;
 - Monitoring of post graduate fellowships;
 - Award of staff exchange fellowships (visiting professorship);
 - Development of web-based database on Diaspora scientists;
 - Travel grants for Diaspora scientists;
 - Sub-regional training workshop on e-content development;
 - Award and administration of conference grants;
 - Publication and dissemination of science and technology information.



Small grants programme

	Post Graduate Awards	Staff Exchange	Conference grants	Travel grants for Diaspora scientists
2008	Eight (8)	Four (4)	25	Three (3)
2009	Eleven (11)	Six (6)	30	Two (2)

FIG. 1

Geographical Distribution of
Postgraduate Fellows (1994-2008)

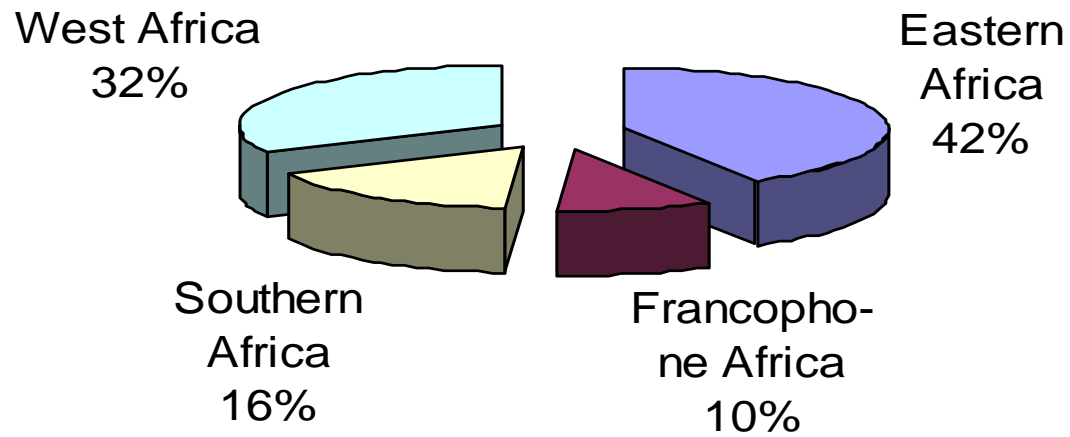


FIG. 2

**Geographical Distribution of
Fee Paying Members (1994-2008)**

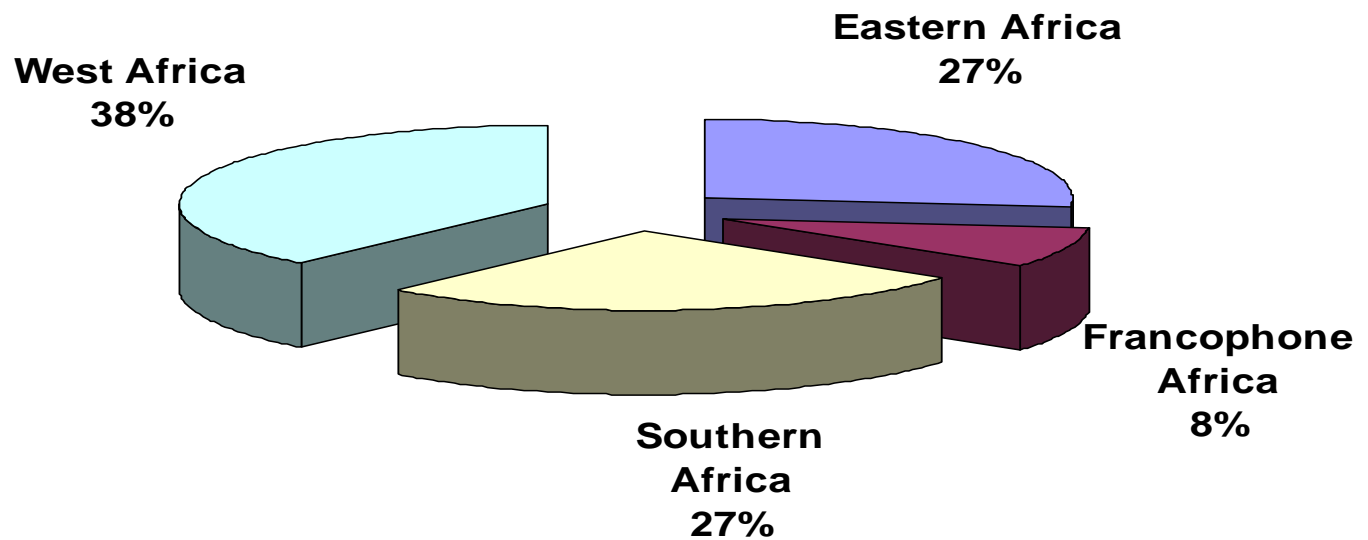


FIG. 3

Geographical Distribution of
Staff Exchanges (1994-2008)

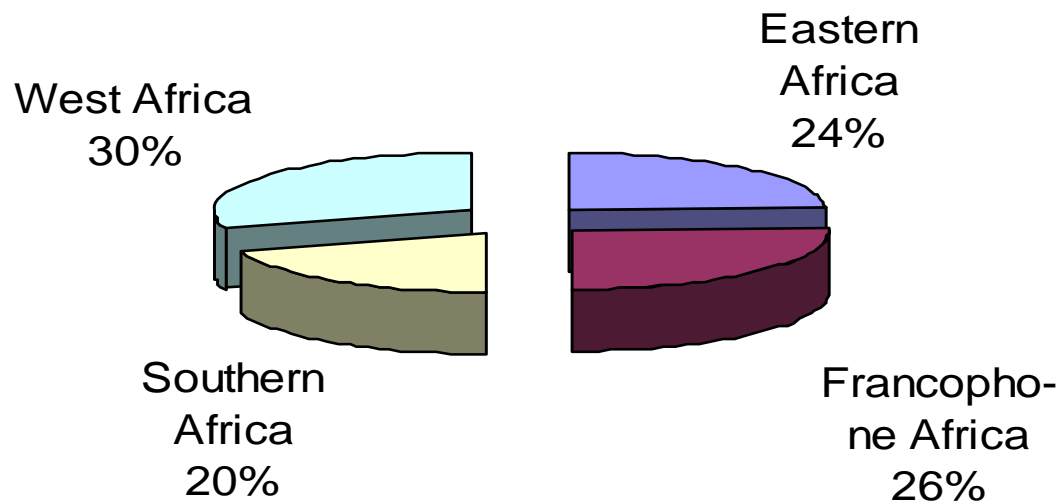
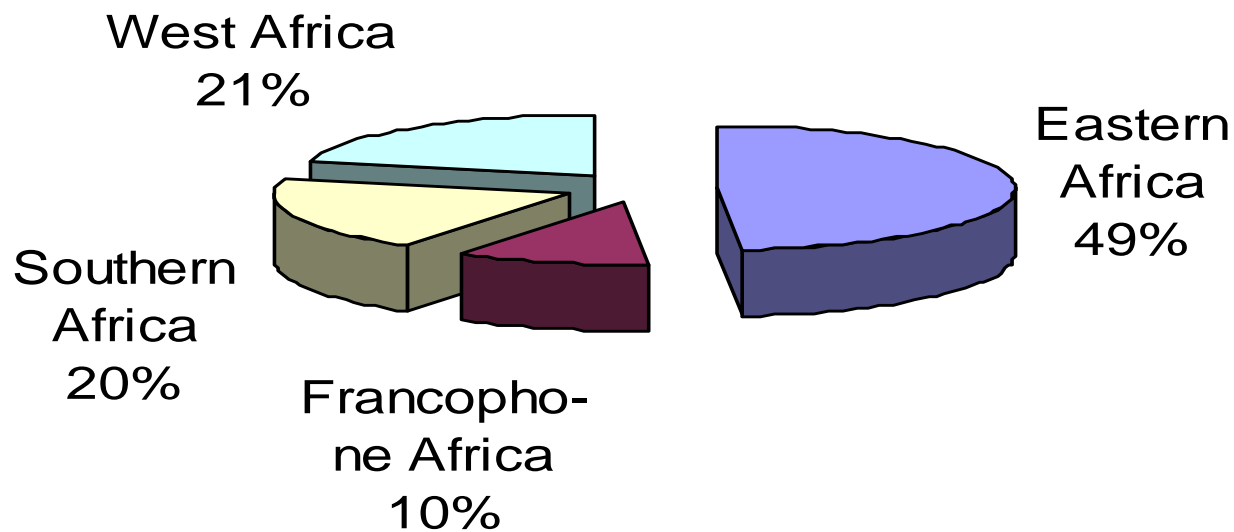


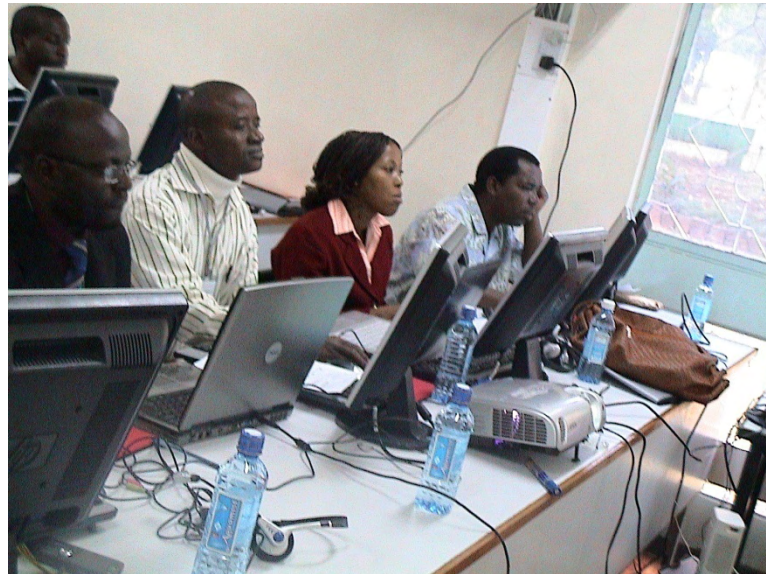
FIG. 4

Geographical Distribution of
Conference Grants (1994-2008)



Training Workshops

ICT regional training workshop in 2008



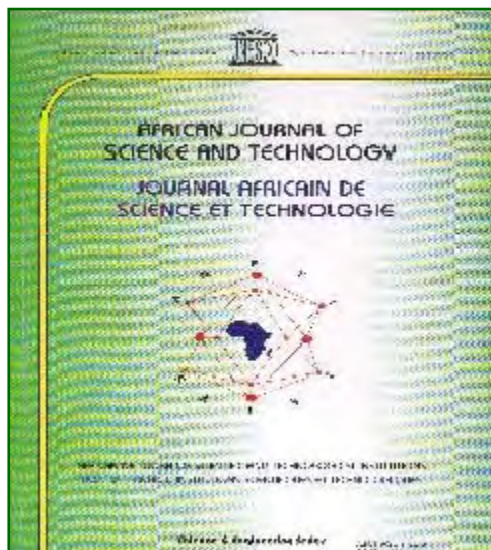
Conference of Vice-Chancellors, Deans of Science, Engineering and Technology (COVIDSET 2009)



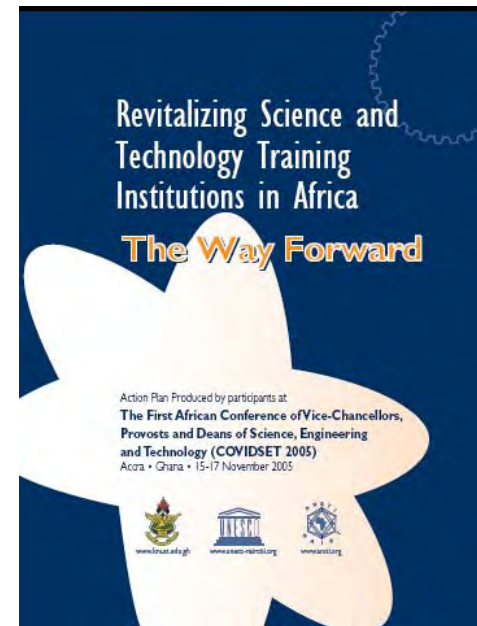


Publications

Support for the African Journal of Science and Technology



Publications



Leadership in discussion of strategic issues in
training and research in African Institutions

NEW INITIATIVE

FOR WOMEN IN SCIENCE



L'ORÉAL
FONDATION
D'ENTREPRISE



L'OREAL-UNESCO REGIONAL FELLOWSHIPS FOR WOMEN IN SCIENCE IN SUB-SAHARAN AFRICA

Partners:

- L'Oreal Corporate Foundation
 - L'Oreal South Africa
- UNESCO Regional Office for Science & Technology in Africa
- The African Network of Scientific & Technological Institutions (ANSTI)

ANSTI MANAGEMENT STRUCTURE

The Governing Council

Members include

- Association of African Universities (AAU)
- Representatives from UNESCO, UNDP, ECA, OAU
- Representatives of Donor community
- Representatives of Member institutions
- Representative of Federation of African Organization of engineers (FAOE)

Ad hoc
Committees

National Coordinating
Institutions

SECRETARIAT



Members of the Governing Council

- Chairman - Prof George Magoha, Vice-Chancellor UoN and representative of AAU
- Vice-Chairman – Prof Fred Otieno, Deputy Vice-Chancellor, Durban University of Technology
- Member – Prof H. Abiose , OAU, Ife, Nigeria
- Member – Prof. (Mrs.) Francisca Okeke, University of Nigeria
- Member – Prof. Edias Mwenje, National University of S&T, Zimbabwe
- Member – Prof. Vincent A. Makerere University, Uganda
- Member – Dr. A. Mandu-Jeffrey, University of Botswana
- Member – Prof. Paul Vitta
- Member – Mr. Thierry Amoussougbo - representative of ECA
- Member - Dr. Mahama Ouedraogo – representative of Africa Union
- Member - Engr. F. Atume – representative of FAOE
- Member - Prof. J.G.M. Massaquoi – Director UNESCO/ ROSTA
- Member – ANSTI Coordinator (vacant)
- Member – Mr. B. Wanyama - Host Country representative
- Member – Christophe Hansert - Donors Representative



Membership

- Currently 184 in 37 countries.

ANSTI Secretariat Team



Mrs. Mary Matemu



David Kirenga



Joseph Njoroge

Thank you all