

Publications

ANSTI regularly produces several categories of publications which are circulated among its member institutions.

(a) *The African Journal of Science and Technology*

This is the most important publication of ANSTI. The journal has a very favourable reputation among African scientists as can be judged from the influx of articles both from within and without the region.

(b) *Directories*

These include the directory of institutions and individual scientists (e.g Directory of Women Engineers).

(c) *Occasional reports*

The Network also circulates to its member institutions reports of meetings on strategic issues and commissioned papers that are relevant to Science and Technology human resource capacity building

Information Dissemination

ANSTI uses different types of Information and Communications Technology (ICT) to disseminate a wide range of information. These include an electronic Newsletter, a website, an Internet portal and electronic broadcast using e-mail mailing list. The ANSTIWEB Portal serves as a big bulletin board for scientific activities relevant to the continent.

COLLABORATION WITH OTHER AGENCIES

Several other agencies involved in the support of higher education in Science and Engineering have in the past either supported ANSTI programme of activities or have used the ANSTI network to implement their own programmes.

These include the German Academic Exchange Service (DAAD), The United Nations University (UNU), and several professional NGOs.

ANSTI MANAGEMENT STRUCTURE

ANSTI is an autonomous non-governmental African organization which is free to seek support from governments and international bodies. The Network has a

Coordinator who heads a secretariat that is situated in the UNESCO office building in Nairobi, Kenya. The Governing Council is the highest policy making organ of the network. Membership of the council include representatives from OAU, UNESCO, UNDP and the Federal Republic of Germany.

ANSTI FINANCES

The current sources for funds for ANSTI activities are UNESCO, the German Academic Exchange Service (DAAD), The Dutch Government, The United Nations University, the UNDP/UNV and the contribution from member institutions. Several other organizations have in the past supported specific ANSTI project activities.

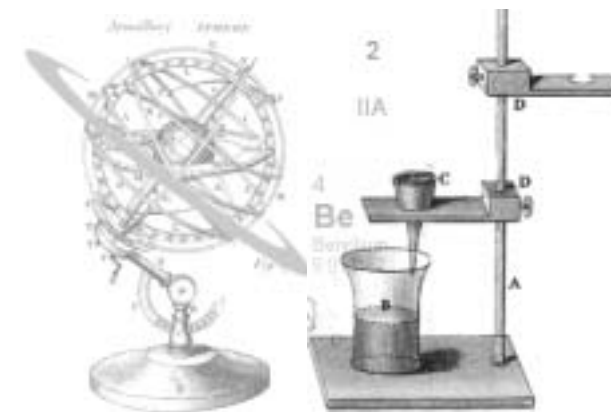
CONCLUSION

In order to improve the rate of economic growth, Africa must apply scientific and technological know-how in its development. ANSTI offers the continent an opportunity to build its capacity in Science and Technology.

ADDITIONAL INFORMATION

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BUILDING Human Resource Capacity for Sustainable Development

The African Network
of Scientific and
Technological Institutions



WHAT IS ANSTI

The African Network of Scientific and 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. Founded in January 1980 United Nations Educational, Scientific and Cultural Organization (UNESCO) the network has grown over the years to become an effective institution for the development of human resource capacity in the fields of Basic and Engineering sciences.

To-date it has 99 member institutions in thirty three (33) countries in sub-Saharan Africa. This puts ANSTI in a powerful position to advertise, coordinate and implement various programme activities for UNESCO and other international agencies.

VISION, MISSION AND OBJECTIVES

Vision

The vision of ANSTI is to become a major institutional player in the process of human resource capacity building in Basic and Engineering Sciences in Africa. The Network works to become the region's focal point for activities relating to human resource capacity building in Science and Technology (S&T).

The Mission

The mission of ANSTI is to promote active collaboration among African Scientific Institutions for the purpose of training and research in science and technology.



The Objective

The goal is to build high-level human resource capacity to undertake research and training in science and technology. The specific objectives are:

- To facilitate exchange of human and material resources for the purpose of training.
- To disseminate information on scientific activities, results of scientific research and promote discussions of major scientific issues.
- To harness resources to support post-graduate training.
- To develop and promote standards and quality assurance systems in science and technology education.
- To provide advice on important issues of S&T, and to engage in other activities that will strengthen Science and Engineering education.

CORE ACTIVITIES

Training

Capacity building requires training and collaboration in research activities. Thus, ANSTI has several activities aimed at providing training and additional experience outside the scholar's home institution. The various elements of the training programme include:

(a) Post-graduate Fellowships in ANSTI Institutions
ANSTI provides financial support to enable young scientists of member institutions to study in institutions outside their own country. The sponsorship covers all expenses including university fees, travel expenses and subsistence.

(b) Visiting (Staff exchange) Fellowships
Each year about 10 to 12 academic staff members of ANSTI institutions are awarded grants to enable them to teach



and do research in another ANSTI institution. This activity further enforces the collaborative objective of ANSTI.

(c) Short term training Fellowships

ANSTI also supports the participation of both academic and technical staff in short courses which it organizes. Such courses serve to continuously update the knowledge and skills of serving staff members of ANSTI institutions.

(d) Institutional Development

ANSTI has also tried to establish centres of excellence within the network. These centres can be called upon to organize its different training activities. Host institutions of training programmes (specially those for the post-graduate degree courses) are usually assisted in developing their capabilities for organizing and running the courses.

Seminars/ Workshops

ANSTI promotes institutional and professional communication through the organization of workshops and scientific seminars. These meetings are organized for particular subject disciplines (e.g. Mechanical Engineering, Physics etc)

Promotion of Research

When funding situation permits the Network awards grants for research. Every effort is made to identify institutions and individuals who have the capacity to do the research. Furthermore ANSTI ensures that the research is relevant to the socio-economic development of the region. Collaborative or regional research projects are encouraged.

