



United Nations  
Educational, Scientific and  
Cultural Organization

Organisation  
des Nations Unies  
pour l'éducation,  
la science et la culture

The African Network of Scientific and Technological Institutions

# ANSTI *Annual Report* 2007





## Table of Contents

Message from the Coordinator.....	5
Abbreviations and Acronyms .....	7
Summary .....	8
Brief History .....	9
Vision .....	10
The Mission.....	10
The Objective .....	10
Vision, Mission And Objectives.....	10
State of Membership.....	11
Post-Graduate Training .....	12
<input type="checkbox"/> Programme Activities and Accomplishments in 2007.....	12
<input type="checkbox"/> Publication and Dissemination of Science and Technology Information.....	14
<input type="checkbox"/> Production of Multi-Media Learning Materials .....	15
<input type="checkbox"/> Organization of Training Workshops and Meetings .....	15
<input type="checkbox"/> Other Activities.....	15
Reports for Donors.....	15
The Regional Conference of Vice-Chancellors, Provosts, Deans of Science, Engineering and Technology, (COVIDSET 2007).....	15
Fund-raising .....	16
Visibility of ANSTI.....	17
Personnel matters .....	17
Financial Matters .....	17
Financial Administration.....	18
Financial Statement 2007.....	19
Appendix I – List of Postgraduate Fellows.....	20
Conclusion .....	20
Appendix II - List of Staff-Exchange Fellows - 2007.....	21
Appendix III - List of Conference Grantees – 2007 .....	22
Appendix IV - List of Publications.....	24
Appendix V - Council Members and their Affiliations.....	27



Appendix VI - List of Member Institutions .....	30
Appendix VII – List of Donors .....	42
Appendix VIII - ANSTI Staff.....	43
Appendix IX – Statement of activities and funds managed by ANSTI Secretariat in 2007.....	44
Appendix IX Contd. - Distribution of Funds administered by ANSTI Secretariat .....	45
Appendix X – Members in Good Standing.....	46



## Message from the Coordinator

The year 2007 started off very well for ANSTI and the Network did well throughout the year. By the middle of the year, it launched its first ever strategic plan which will guide the policies and activities of the Network for the next five years. The second biennial Conference of Vice-Chancellors, Deans of Science, Engineering and Technology (COVIDSET) took place in Pretoria, South Africa. The meeting provided a forum for University Leaders to discuss the theme “Relevance of Science, Engineering and Technology training to the solution of Africa’s development problems” In addition to the COVIDSET, the ANSTI Secretariat also undertook the other traditional activities, such as the award and administration of post-graduate fellowships. Ninety percent (90%) of the activities in the approved workplan for 2007 were implemented.

In 2007, we were also able to attract new donors to support the Network’s activities. The Canadian International Development Research Center (IDRC) and the

Carnegie Corporation of New York provided grants to enable ANSTI support more participants at the COVIDSET 2007. As always I will like to use this opportunity to thank all our donors for the invaluable assistance for the Network.

Although the year started well for the Network, it did not end well. On 14th December 2007, the long-serving Chairman of the ANSTI Governing Council, Prof. Kwesi Andam, passed away. Prof. Andam had served as Chairman of the Council since 2001 and it was under his visionary leadership that the Network launched its first ever strategic plan and established the conference of Vice-Chancellors, Deans of Science, Engineering and Technology (COVIDSET) as a forum for regular discussions of problems facing science, engineering and technology training. He was the immediate former Vice-Chancellor of Kwame Nkrumah University of Science and Technology, Kumasi Ghana. May his soul rest in peace.



*Prof. J.G.M. Massaquoi*  
Director, UNESCO Regional  
Bureau for Science and  
Technology in Africa  
& ANSTI Coordinator



## *Abbreviations and Acronyms*

AAU	Association of African Universities
AJST	African Journal of Science and Technology
ANSTI	African Network of Scientific and Technological Institutions
AU	African Union
CASTAFRICA	Conference of African Ministers of Science and Technology
COVIDSET	The Conference of Vice-Chancellors, Deans of Science, Engineering and Technology
DAAD	German Academic Exchange Service
FAOE	Federation of African Organization of Engineers
GASAT	Gender and Science and Technology
IACEE	International Association for Continuing Engineering Education
ICT	Information and Communication Technology
IMSP	Institut de Mathematiques et de Sciences Physiques
JKUAT	Jomo Kenyatta University of Agriculture and Technology
NGO	Non-Governmental Organization
S&T	Science and Technology
UNDP	United Nations Development Programme
UNECA	United Nations Economic Commission for Africa
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNU	United Nations University
UNV	United Nations Volunteers



## Summary

One of the Networks' achievements in the year under review was the successful organization of the Conference of Vice-Chancellors, Deans of Science, Engineering and Technology (COVIDSET 2007). This biennial Conference serves as a forum both for the exchange of ideas and experiences as well as for the sensitization of University leaders on trends in science and engineering education in the region and globally and for University leaders responsible for Science and Engineering Education to meet and dialogue on strategic issues in Science and Engineering Education.

In 2007, the forum met again to consider the theme "Relevance of Science, Engineering and Technology Training to development challenges in Africa". The Conference was held in Midrand, South Africa from 24-27 September and was attended by over 150 University leaders and representatives of various organizations and donor agencies.

ANSTI is also pleased to report that in 2007, it welcomed twelve (12) new members: Kenya Industrial

Research and Development Institute (KIRDI), (Kenya); Lagos State University, (Nigeria); University for Development Studies, (Ghana); Busitema University, (Uganda); University of South Africa (South Africa); Federal University of Technology, Minna, (Nigeria); University of Dschang, (Cameroon); Redeemer's University, (Nigeria); Akwa Ibom University of Technology, (Nigeria); University of Douala, (Cameroon); Ladoke Akintola University of Technology, (Nigeria) and Mkar University, (Nigeria). The list of all member institutions is given in Appendix VI. The list of members in good standing (i.e. members who have paid membership fees in the last 2 years) is also presented in Appendix X.

In the same year, the Network awarded ten (10) postgraduate fellowships to staff of member institutions. The fellowships, just like in previous years, enabled the successful candidates to pursue their postgraduate studies.

The Network also awarded eight (8) conference grants

during the year. The grants were awarded to senior academic staff to enable them attend international conferences to present their research and to have their work subjected to peer review. Two (2) of the awards granted were to enable the organization of conferences to which academic staff members of ANSTI institutions were invited.

The ANSTI Governing Council Meeting was held during the year and the Coordinator presented a report on the Network's activities to the Council members. The Network also undertook several activities for the dissemination of information including the publication of the African Journal of Science and Technology (AJST), the production of four ANSTI Newsletters, and the strengthening of the ANSTI website.

Another important activity that took place in 2007 was the launch of the Network's five year strategic plan. This plan will guide the policies and programme of the Network for the period 2007-2011.



## Brief History

The African Network of Scientific and Technological Institutions is a regional non-governmental organization (NGO) which was established in January 1980 by UNESCO with funding from United Nations Development Programme (UNDP) and the German Government. The Network was conceived in response to the resolutions from the Conference of African Ministers of Science and Technology (CASTAFRICA) which was held in Dakar, Senegal, in January 1974. At that meeting, the African ministers present, urged UNESCO to help African Universities and research organizations engaged in training and research in science and technology to establish such linkages among themselves to enable them to pool their human and material resources and thereby contribute more effectively to the application of science and technology to development in Africa.

Although UNESCO was initially very warm to the idea, the organization had to be sure that there was enough interest and enthusiasm for

it among African institutions and also determine the number and types of institution, which will form the Network. Thus, in 1975 a consultant was engaged to conduct a feasibility study for the Network. The consultant who visited nineteen (19) universities in the region summarized his reason for a positive recommendation as follows:

“It is difficult to exhaust all the arguments in favour of the creation of the Network. The strongest, however, is the fact that, practically everybody wants it and everybody is anxious that it should be created, structured, administered, financed and operated in such a manner that it can work to the satisfaction of all.” Thus, we can conclude that the ANSTI project was demand-driven and that beneficiaries were involved in its development. This fact is obviously one of the strengths of the Network.

After two expert group meetings on the consultant’s report, a project proposal was finally produced in December

1978 and submitted to UNDP for funding. The first project document in support of ANSTI was signed by UNDP on 4 May 1979 and the Funds-in-trust agreement with the federal Republic of Germany to assist ANSTI was signed on 5 August 1980.

ANSTI formally came into existence on 6 January 1980 which is the day the first Coordinator assumed office. The Network has its own constitution and operates as a regional NGO with a Pan-African Governing Council. It receives direct financial support for its programme activities from several donors. UNESCO continues to provide financial and technical assistance to ANSTI. UNESCO has assigned its Programme Specialist responsible for the Basic and Engineering Sciences in Africa, the additional responsibility of serving as a part-time Coordinator of ANSTI. The Network’s Secretariat is also housed in the UNESCO Nairobi office.



## *Vision, Mission And Objectives*

In 2007 a new strategic plan was launched. Accordingly, a new set of Vision, Mission and Objectives were defined.

### **Vision**

The vision of ANSTI is to become a major institutional player in the process of human resource capacity building in Science, Engineering and Technology 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 facilitate the active collaboration among African Scientific Institutions for the purpose of training and research in science, engineering and technology.

### **The Objective**

The ultimate goal of ANSTI is to strengthen the regions capacity for training and research and for establishing services for intensive and purposeful utilization of Science, Engineering and Technology for development.

## State Of Membership

The size of membership continued to increase. During this reporting period the Network received twelve (12) new members: Kenya Industrial Research and Development Institute (KIRDI), (Kenya); Lagos State University, (Nigeria); University for Development Studies, (Ghana); Busitema

University, (Uganda); University of South Africa (South Africa); Federal University of Technology, Minna, (Nigeria); University of Dschang, (Cameroon); Redeemer's University, (Nigeria); Akwa Ibom University of Technology, (Nigeria); University of Douala, (Cameroon);

Ladoke Akintola University of Technology, (Nigeria) and Mkar University, (Nigeria). The list of all member institutions is given in Appendix VI. The list of members in good standing (i.e. members who have paid membership fees in the last 2 years) is also presented in Appendix X.



## Programme Activities and Accomplishments in 2007

The 2007 workplan was approved in November 2006 before the launching of the strategic plan, hence there is a slight difference between the objectives mentioned below and those in the strategic plan.

During the year under review, four of the five objectives in the approved workplan were pursued. The objectives pursued in 2007 were:

- (i) To strengthen the staff of science and engineering training institutions.
- (ii) To promote the use of Information and Communication Technology (ICT) in the delivery of science and engineering education.
- (iii) To facilitate the sharing of scientific information and strengthen the coordinating mechanism of the Network.
- (iv) To strengthen research activities in relevant areas of Science & Technology.

The above-mentioned objectives were pursued through various activities. These included: Award and administration of post-graduate training fellowships; Award of staff

exchange fellowships (visiting professorship); Conference grants; Publication and dissemination of science and technology information; Preparation of learning materials; and Support for organization of workshops/conferences.

### Post-Graduate Training

In the year 2006, five (5) fellowships were awarded. All fellowships which were awarded were taken up in 2006/2007. In 2007, there was a significant increase in the number of candidates who received the ANSTI fellowships as compared to the previous year.

In this year's selection process, the Secretariat received seventy three (73) applications from sixteen (16) countries. From this applicants' pool, six (6) candidates were selected to receive the DAAD

fellowships and two (2) candidates to receive the UNU sponsored fellowships. This year, the Secretariat was able to award two (2) candidates to receive the Dutch funded fellowships. The ten (10) recipients of the 2007 awards were from the Democratic Republic of Congo, Kenya, Malawi, Nigeria, Rwanda, and Tanzania.

The lists of those who were awarded fellowships for the year 2007/08 and those who took up their fellowships in 2006/07 are shown in Appendix I. Figure 1 gives a cumulative distribution of the Grantees (1994-2007). In order to compare the distribution of benefits among the members in good standing, the regional distribution of fee-paying members of ANSTI is also presented in Figure 2.

Fig. 1 Geographical Distribution of Postgraduate Fellows (1994-2007)

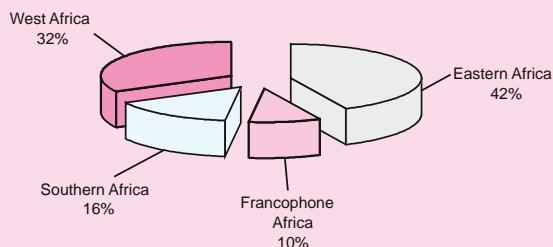
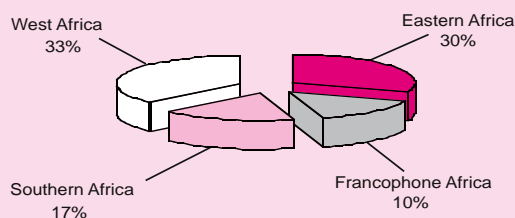


Fig. 2 Geographical Distribution of Fee Paying Members



During the year 2007, the Network in collaboration with the German Academic Exchange (DAAD), was able to offer academic staff further opportunities under the staff exchange programme. The Network received support from DAAD through the introduction of the DAAD Staff Exchange fellowships. The fellowships are available to all members of the Network. The DAAD sponsored staff exchange programme has now increased the Network's capacity to promote inter-university co-operation through academic mobility and hence enhance the quality of teaching and research in African universities.

Unfortunately, the staff exchange fellowships awarded have reduced over the years. This is because few applicants are able to obtain offers from other institutions especially offers that contain some form of hospitality from the host institution.

In 2007, there were two (2) staff exchange awards from among an applicant pool of five (5). The average sizes of the awards were US\$2,500 which covered a return air ticket and an honorarium.

The list of beneficiaries of the awards in 2007 is given in Appendix II. The regional distribution of all the grantees during the period 1994-2007 is given in figure 3.

Fig. 3 Geographical Distribution of staff exchange fellowships (1994 - 2007)

Conference Grants and Support for Conferences

The ANSTI conference grants continue to be the most popular activity among member institutions.

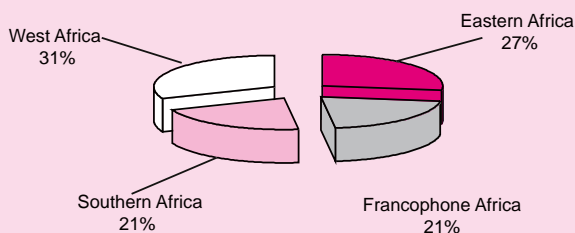
The Network received a total of one hundred and two (102) applications for conference grants of which the Secretariat awarded a total of eight (8). This year, the Secretariat only awarded grants to staff of member institutions that were in good standing. This greatly helped in increasing the contributions from member institutions.

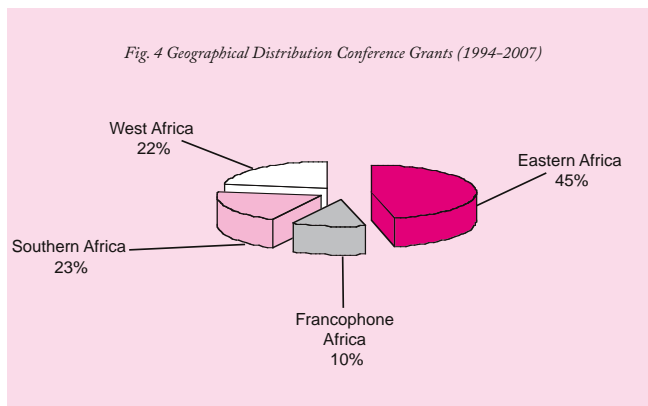
The grantees who received grants in 2007 are outlined in Appendix III. The Secretariat has also included information on the publishing of conference proceedings and the size of the conference.

Fig. 4 Geographical distribution of conference grantees (1994-2007)

The Network awarded grants to the following institutions to

Fig. 3 Geographical Distribution of Staff Exchanges (1994-2006)





organize conferences to which staff of ANSTI member institutions were invited:

- (i) Society of African Physicists and Mathematicians (SAPAM), Ghana, to organize the Workshop on 12th Edward A. Bouchet/Abdus Salam Regional College on Functional Analysis, Differential Equations and Applications from 9 – 21 July 2007 in Accra, Ghana.
- (ii) The Berlin-Nairobi Exchange, for the participation of staff of ANSTI member institutions in the Cost-effective Photovoltaics Research Summer School from 19 August – 01 September 2007 in Nairobi, Kenya.

## Publication and Dissemination of Science and Technology Information

The dissemination of information is carried out using both the electronic and print media.

- **The African Journal of Science and Technology**, the Network's flagship for the dissemination of results of scientific research, continues to be the main publication of the Secretariat. In 2007, two issues of the journal were published. These were distributed mainly by electronic means.
- **The ANSTI Strategic Plan (2007-2011)** was finalized during the reporting period. The document was developed into its final layout by the Secretariat and thereafter produced into print

format. The document was distributed to ANSTI donors.

- **The ANSTI quarterly Newsletter** was also produced, that carried information on activities of the Network as well as other scientific activities in the region. The Newsletter is disseminated in electronic form through the ANSTI mailing list as well as posted on the ANSTI website.
- The use of the internet to disseminate information has also continued. The ANSTI website continued to publicise scientific activities of relevance to the region. In this reporting period the ANSTI conference website used in COVIDSET 2005 was re-developed and used as the main website for COVIDSET 2007. The ANSTI scientists' database website continued to have numerous scientists from the region and the Diaspora registering and placing their CVs on the site. In addition, the Secretariat maintains an e-mail mailing list of over 1000 addresses. Through



this list, we regularly broadcast information including vacancy announcements to staff of member institutions.

- The Annual Report of the Network for 2006 was produced and published in print format and was widely distributed.

### **Production of Multi-Media Learning Materials**

This activity now focused on e-content development. The review of E-contents courses is now complete for most of the five: Engineering Thermodynamics; Fundamentals of Physics; Calculus; Mathematical methods for scientists and engineers; and Operations Research I. The recommended changes are being incorporated into the final manuscripts which will soon be published in CD and print format.

### **Organization of Training Workshops and Meetings**

The AJST Editorial Board meeting was held in Nairobi, Kenya, from 26 – 27 February 2007. The meeting had been convened by Dr. Alex Tindimubona at the behest of the Governing Council.

It was attended by three (3) representatives of the Council, the Editor-in-Chief and sub-editors. Issues regarding the journal were discussed and a report was developed at the end of the meeting.

The Secretariat also organized the annual Governing Council meeting which was held in Midrand, South Africa in September 2007.

### **Other Activities**

Apart from the core activities which have been described above, the Network also undertook several other activities.

### **Reports for donors**

The Secretariat, in addition to the reports produced for public consumption mentioned under the dissemination and publication of information, also produced other reports for donors to the Network. This year, the Network produced a final report on the Dutch grant for the period covering 2003 – 2006.

### **The Regional Conference of Vice-Chancellors, Provosts, Deans of Science, Engineering and Technology. (COVIDSET 2007).**

The conference of Vice-Chancellors, Deans of Science, Engineering and Technology (COVIDSET) is a biennial event organized by the African Network of Scientific and Technological Institutions (ANSTI). The meeting provides a forum for university leaders to discuss issues affecting the management and delivery of Science and Engineering courses in higher Education Institutions in Africa. The first COVIDSET was held in Accra, Ghana in November 2005. The second meeting (COVIDSET 2007) was held in ESKOM Convention Centre in Pretoria, South Africa from 25-27 September 2007. It was hosted by Tshwane University of Technology in Pretoria.

The theme of COVIDSET 2007 meeting was “Relevance of Science, Engineering and Technology training to Development challenges in Africa”. Under this theme, participants discussed how Science, Engineering and Technology can be oriented to



address issues such as poverty alleviation, infrastructural development, environmental protection and health. The meeting was attended by over One Hundred and Fifty (150) participants from all over sub-Saharan Africa and was officially opened by the South African Deputy Minister of Education (Mr. Enver Surty). The keynote address was delivered by Dr. Phaho, Chief Executive Officer, Department of Science and Technology, Thumisano South Africa Trust. During the course of the meeting, the South African Minister for Science and Technology also attended briefly and gave a review of the efforts at the ministerial level to promote Science and Technology in the region. The outcome document of the COVIDSET 2007 is available from the ANSTI Secretariat.

The Network worked in collaboration with the host institution Tshwane University of Technology, South Africa which assisted in the coordination of all issues on the ground as well as activities involved in the identification of the conference venue, accommodation for all participants together with other logistical aspects involved in planning for the meeting.

ANSTI provided funding to academic staff of ANSTI member institutions that were in good standing to attend the conference. About one hundred (100) staff members were assessed and awarded grants at different levels. Some were provided with accommodation and air tickets while others received accommodation only for the duration of the conference.

The Secretariat received and evaluated abstracts from thirty (30) authors from which twelve (12) were selected by the Technical Committee for presentation at the conference. Six (6) key speakers were selected to make key-note presentations.

### *Fund-raising*

The Secretariat is pleased to announce that the proposal sent to the Dutch Government for the renewed support of ANSTI core activities as stated in last year's report was approved. This means that the Dutch government has offered funding for ANSTI's core activities for the next four (4) years.

The Secretariat's fundraising activities this year were

centered on finding support for COVIDSET 2007. ANSTI submitted two (2) proposals for support of COVIDSET 2007. The proposals were presented to the Carnegie Corporation and the International Development Research Centre (IDRC). The Secretariat is pleased to report that the two proposals were accepted and the funds released to the Network. The German Academic Exchange Service (DAAD) also provided a grant for the participation of their alumni at COVIDSET 2007.

UNESCO continued its support for ANSTI activities and played a significant role in the organization of COVIDSET 2007.

There was a significant improvement in the contributions made by member institutions and this was attributed to COVIDSET 2007 and the tireless efforts by the Secretariat to encourage the payment of subscription fees by all member institutions. Membership contribution in 2007 was US\$63,000, a significant improvement from the US\$19,000 collected in 2006.



## Visibility of ANSTI

ANSTI continues to receive recognition and this is indicated by the invitations the Secretariat receives to send representatives to meetings/conferences. This year, the Coordinator represented the Network at several conferences and meetings including the stakeholders meeting convened by the African Development Bank (ADB) to discuss its strategic orientation for Higher Education Science and Technology (HEST) which was held from 12-13 April 2007 in Accra, Ghana.

## Personnel matters

During the period under review Mr. Masahiro Wakabayashi finally left the Secretariat.

The following was the staff of the Secretariat during the period under review:

- Coordinator (Part-time)
  - Prof. J.G.M. Massaquoi
- Administrative Assistant (Full time) - Mrs. Mary Matemu
- Programme Assistant (Temporary, Full time) – Mr. David Kirenga
- Programme Assistant (Temporary, Full time) – Ms. Anne Wamithi
- Finance Assistant (Temporary, Full time) – Mr. Patrick Ndegwa
- Clerk (Full time) - Mr. Joseph Njoroge

## Financial Matters

In 2007, the Network received financial support from the following Seven (7) sources: the United Nations Educational, Scientific and Cultural

Organization (UNESCO); the German Academic Exchange Service (DAAD); the Dutch Ministry of Foreign Affairs; the United Nations University (UNU); The Carnegie Corporation; The International Development Research Centre (IDRC); and the contribution from member institutions. As in the past, each member of the basket of donors supports one or more of the programme activities of the Network. The Dutch funds were used for all core activities of ANSTI, as has been the trend over the previous years, while the UNU and DAAD funds covered fellowships and staff exchange visits. The funds received from IDRC and the Carnegie Corporation were used to support the activities of COVIDSET 2007.

Table 1 shows the allocation of funds by each donor.-

Table 1: Estimated Allocation of funds for the implementation of ANSTI Activities

No.	Source of Funds	Activity Funded	2007 (\$)	Remarks
1	The Dutch Government	* All Core Activities including COVIDSET 2007	185,000	
2	The German Academic Exchange Service	* Postgraduate fellowships (5 awards) * COVIDSET 2007	121,000 6,800	Estimated
3	United Nations University	* Staff exchange fellowship (1) * Postgraduate fellowship (2)	38,000	

Table 1: Estimated Allocation of funds for the implementation of ANSTI Activities

No.	Source of Funds	Activity Funded	2007 (\$)	Remarks
4	UNESCO	<ul style="list-style-type: none"> <li>* Office Accommodation (19,000)</li> <li>* Staff Coordinator (Part-time) (\$40,000)</li> <li>* Administrative costs (\$10,000)</li> <li>* Staff Exchange fellowships (\$3,000)</li> <li>* Conference grants (\$10,500)</li> <li>* COVIDSET 2007 (\$8,200)</li> </ul>	90,700	
5	The International Development Research Centre (IDRC)	COVIDSET 2007	25,288	
6	Carnegie Corporation	* COVIDSET 2007	25,000	
7	Member Institutions	<ul style="list-style-type: none"> <li>* Full time Secretariat staff</li> <li>* Towards organization of COVIDSET 2007</li> </ul>	45,000 30,000	managed by UNESCO Paris
<b>TOTAL</b>			<b>US\$566,788</b>	

## Financial Administration

As in the past, two parallel administrations for funds in support of ANSTI activities were used during the year under review: Administration by the Secretariat and administration by the Donor Agencies. ANSTI received the administrative services of two organizations namely; UNESCO and DAAD in the management of the financial support they provided. In

the case of DAAD, the support was for postgraduate fellowships which are usually disbursed through the German Embassies in the candidates' host country. The ANSTI Secretariat's roles were to only shortlist and nominate candidates for the awards. In the year 2007, UNESCO supported conference grants which were disbursed through the UNESCO Nairobi Finance Office. The ANSTI Secretariat's role in this was to prepare the various contracts which needed to be processed.

The funds administered by the ANSTI Secretariat directly during the reporting period are those provided by the Dutch Government, the International Development Research Centre (IDRC), the Carnegie Corporation and the United Nations University. Membership fees are held in an interest-bearing account and managed by UNESCO Paris.



Table 2 outlines the various funds allocated to ANSTI Programme activities in 2007 and the administrators of these funds.

Table 2: Funds Administration

No.	Donor/Funds	Administrator	Remarks
1	UNESCO	UNESCO Nairobi Office	
2	Member Institutions	UNESCO Paris and ANSTI Governing Council	Funds are held by UNESCO, Paris and disbursement is authorized by the ANSTI Governing Council
3	DAAD fellowship award	DAAD Regional Office, Nairobi and the German Embassies in Africa	Disbursement made by DAAD through the German Embassy in the host country of the fellow.
4	DAAD funds towards the organization of COVIDSET 2007	ANSTI Secretariat	Funds transferred to ANSTI account.
5	UNU	ANSTI Secretariat	Funds transferred to ANSTI accounts at the start of each activity.
6	Dutch Government	ANSTI Secretariat	Funds transferred to ANSTI accounts twice a year in equal installments.
7	The International Development Research Centre (IDRC)	ANSTI Secretariat	Funds transferred to UNESCO accounts in Paris
8	Carnegie Corporation	ANSTI Secretariat	Funds transferred to ANSTI account.

## Financial Statement 2007

Appendix IX presents a financial statement of the funds which were directly managed by the Secretariat during the reporting period. These funds cover the activities financed by the Dutch Government, United Nations University and the German Academic Exchange Service (DAAD). The funds received for the activities covering

COVIDSET 2007 will be reported in a separate financial statement that will be published at a later date.

The total revenue during the period covered by this report was US\$359,154 which includes the US\$185,000 from the Dutch Government, US\$38,000 from the United Nations University, US\$15,154 from UNESCO and US\$121,000 from DAAD.

In 2007, there was a remarkable increase in the contribution from member institutions, which is attributed to the tireless efforts by the Secretariat in following up membership subscriptions as well as the award opportunities provided to paid-up member institutions to attend COVIDSET 2007. Appendix IX shows the total contribution for the period.

## Conclusion

2007 was a very fruitful year. There were improvements in all areas of operation. The membership increased. There were more new members than in the previous years. Furthermore, the number of members in good standing (i.e. Members making regular

payments of membership fees) has increased. The second Conference of Vice-Chancellors, Deans of Science, Engineering and Technology (COVIDSET) was successfully organized which gave more visibility to the Network. Finally, the Network attracted a new donor, the International Development

Research Centre and its resource level was slightly higher.

The year however ended on a sad note. The long serving, dynamic and visionary Chairman of the Governing Council died in December 2007. May his soul rest in peace.

## Appendix I – List of Postgraduate Fellows

(A) List of Postgraduate Fellows (2007 – 2008)

No.	Name of Fellow	Nationality	Degree Sought	Host Institution	Home Institution
1.	Jean Francois Luc Habiyaremye	Rwandese	MSc. Production Engineering	University of Dar es Salaam	Kigali Institute of Science and Technology
2.	Charly Kivuvu Makitu	Congolese	PhD. Mathematics	University of Cape Town	University of Kinshasa
3.	John Olugbenga Owajori Mr. Kennedy Naviava Otvombe	Nigerian	PhD. Zoology	University of Stellenbosch	Obafemi Awolowo University
4.	Jean Bosco Byiringiro	Rwandese	MSc. Design and Production Engineering	Jomo Kenyatta University of Agriculture and Technology	Kigali Institute of Science and Technology
5.	Martha Muthoni Konje	Kenyan	PhD. Science	Rhodes University	Masinde Muliro University
6.	Adijat Omowumi Tiamiyu	Nigerian	MSc. Biomedical Engineering	University of Cape Town	Obafemi Awolowo University
7.	James Mpele	Tanzanian	MSc. Applied Mathematics	University of Nairobi	Dar es Salaam University, College of Education



No.	Name of Fellow	Nationality	Degree Sought	Host Institution	Home Institution
8	Jonathan Phelekena Chiputula	Malawian	MSc. Energy Engineering	University of Dar es Salaam	University of Malawi - Bunda College
9	Bernard Munyazikwiye	Rwandese	MSc. Energy Engineering	Jomo Kenyatta University of Agriculture and Technology	Kigali Institute of Science and Technology (KIST)
10	Linoh Allen Magagula	Malawi	MSc	University of Cape Town	Bunda College, Lilongwe Malawi

### *Appendix II - List of Staff-Exchange Fellows - 2007*

No.	Title	Name of Fellow	Nationality	Purpose of visit	Host Institution	Home Institution
1.	Dr.	Bertin Soh Fotsing	Cameroonian	Research	Universite d Abomey - Calavi	Universite de Dschang
2.	Dr.	Charles Nzolang	Cameroonian	Teaching	University of Bukavu	University of Yaounde

## Appendix III - List of Conference Grantees – 2007

No.	Title	Name	Nationality	Home Institution	Conference	Conference proceedings Published	Size of Conference
1.	Prof.	F.K.A. Allotey (Organizer)	Ghanaian	Society of African Physicists and Mathematicians (SAPAM)	Workshop on 12th Edward A. Bouchet/Abdus Salam Regional College on Functional Analysis, Differential Equations and Applications, 9 – 21 July 2007, Accra, Ghana.	No	40 participants
2	Dr.	Gboyega A. Adebayo	Nigerian	University of Agriculture, Abeokuta	Gordon Conference on the Chemistry and Physics of Liquids, 29 July – 3 August 2007, Plymouth, USA	No	Over 100 participants
3	Dr.	George Elambo Nkeng	Cameroonian	Ecole Nationale Superieure des Travaux Publics	International Conference on Environmental Science and Technology, 6 - 9 August 2007, Houston, Texas	Yes	Over 200 participants
4.	Dr.	Esther Kioko	Kenyan	African Insect Science for Food and Health (ICIPE)	International Association for the Study of the Coomons (IASC) 2007 Conference, 31 July – 3 August 2007, Newfoundland, Canada	No	Over 100 participants



No.	Title	Name	Nationality	Home Institution	Conference	Conference proceedings Published	Size of Conference
5	Dr.	Makame Mbarawa	Tanzanian	Tshwane University of Technology.	9th Asian Symposium of Visualization, 4 – 8 June 2007, Hong Kong, China	Yes	Over 150 participants
6	Dr.	Leonard Mwaikambo	Tanzanian	University of Dar es Salaam	International Conference on Polymer Processing (ICPP07), 18 – 20 May 2007, Beijing, China	Yes	Over 200 international participants
7.	Dr.	Jacob Nyende	Uganda	Kyambogo University.	Water Resources Management 2007 Conference, 21 – 23 May 2007, Kos, Greece.	Yes	Over 200 international participants
8	Mr.	Sebastian Ronsch (Organizer)	Germany	Berlin-Nairobi Exchange	The Cost-effective Photovoltaics Research Summer School, 19 August – 01 September 2007, Nairobi, Kenya	No	Over 30 participants



## Appendix IV - List of Publications

---

### Textbooks

---

***Engineering Mechanics by O.A. Bamiro, Negussie Tebedge and B.Alabi.***

This book is a broad-based textbook for first year Mechanical Engineering students. It is intended to prepare students for courses in Mechanics of Machines. First year Civil engineering students will also find the book very useful. *Prof. A.O. Bamiro and Dr. B. Alabi are both at The University of Ibadan and Prof. N. Tebedge is at Addis Ababa University. ISBN 92-3-103227-5 [published in 1996]*

***Strength of Materials by Kwesi Andam and Ayodele Abatan.***

This book is for first year students in Mechanical and Civil Engineering. It can be used as a stand-alone textbook or part of a group of texts in the same subject. It covers all materials properties, stresses, forces and design requirements. *Prof. K. Andam is at University of Science and Technology, Kumasi, Ghana and Prof. A. Abatan is at Ahmadu Bello University, Zaria, Nigeria. ISBN 92-3-103228-3 [published in 1996]*

***Fundamentals of Electrical Engineering*** by G.O. Ajayi, M.M. El-Missiry, R.I.Salawu, F.Takawira and D.Whittaker

This is the first in a two volume series on the principles of electrical engineering. This text covers the basic background material for the module on advanced electrical principles. Prof. G.O. Ajayi is at Obafemi Awolowo University, Nigeria, Prof. M.M. El-Missiry and Dr. F. Takawira are at the University of Zimbabwe, *Prof. R.I. Salawu is at the University of Lagos, Nigeria and Prof. D. whittaker is at the University of Zambia. ISBN 92-3-103225-9 [published in 1996]*

***Advanced Electrical engineering Principles*** by N.M.L Ijumba, M.M. El-Missiry, Dr.-Ing. F. Shewarega and G. Mullisa

This is the second in the series on Electrical engineering Principles. Prof. N.M.L. Ijumba is at the University of Nairobi Kenya, *Prof. M.M. El-Missiry is at the University of Zimbabwe, Dr.-Ing. Fedaku Shewarega and Dr. Girma Mullisa are at Addis Ababa University, Ethiopia. ISBN 92-3-103226-7 [published in 1996]*

***Fluid Mechanics by O. Ogboja***

This book is intended for first year University students in Chemical, Civil and Mechanical Engineering. ***Prof. Olu Ogboja is at the University of Lagos, Nigeria. ISBN 92-9158-000-7 [published in 1996]***

***Engineering Thermodynamics*** by F.O. Akuffo, A. Brew-Hammond, F.M. Luti and J.G.M. Massaquoi

The book could be useful to first year Mechanical and Chemical Engineering Students. Prof. F.O. Akuffo, and Dr. A. Brew-Hammond are at the University of Science and Technology, Kumasi,



Ghana; Prof. F.M. Luti is at the University of Nairobi, Kenya while Prof. J.G.M. Massaquoi was at the University of Sierra Leone at the time of writing this book. ISBN 92-9158-001-5 [*published in 1997*]

**First Year University Physics - Mechanics** by J.O. Malo, J.Mwange, J.S. Nkoma, A. Seka, P.S. Bhogal and B.O. Kola.

This book is intended for those who enter university with either GCE 'O' Level or 'A' Level qualification. It is for first year science and Engineering students. Prof. J.O. Malo Prof. P.S. Bhogal and Dr. B.O. Kola are the university of Nairobi, Kenya; Prof. J. Mwanje is at Makerere University, Uganda, Prof. J.S. Nkoma is at Botswana University and Prof. A. Seka is at Université Nationale, La Cote d'Ivoire. ISBN 9966 49 913 X [*published in 1996*]

**Biological Science** by J.Kaddu, A Bekele, V. Gwarazimba and K. Dagne

This is a structured textbook for an undergraduate course leading to a university degree. It can be used as a prescribed text or alongside other biology textbooks. Prof. J. B. Kaddu is at Makerere University, Uganda, Dr. V. Gwarazimba is the University of Zimbabwe while Dr. A. Bekele and Dr. K. Dagne are at the Addis Ababa University. ISBN: 92 9158 008 2 [*published in 1998*]

**Mathematics for Scientists and Engineers Vol 1** by P.A. Phiri, D. Vuma and L.S. Luboobi

This is the first in a two-volume series of undergraduate textbooks for students pursuing degree courses in either science or engineering. Prof. P.A. Phiri is at the University of Swaziland, Mr. D. Vuma is at the University of Zimbabwe and Prof. L.S. Luboobi is at Makerere University. ISBN: 92-9158-009-0 [*published in 1997*]

**Mathematics for Scientists and Engineers Vol 2** by P.A. Phiri, D. Vuma and V.G. Masanja

This is the second in a two-volume series of undergraduate textbooks for students pursuing degree courses in either science or engineering. Prof. P.A. Phiri is at the University of Swaziland, Mr. D. Vuma is at the University of Zimbabwe and Dr. V.G. Masanja is at the University of Dar es salaam. ISBN: 92-9158-010-4 [*published in 1998*]

**Theory and Analysis of Structures** by A. Zingoni, J.A. Mwakali and A. Salahuddin

This book has been written primarily to serve as a textbook for university undergraduate students of civil Engineering, particularly those wishing to specialize in Structural Engineering. Prof. A. Zingoni of the University of Zimbabwe but he is now at the University of Cape Town, Dr. J.A. Mwakali is at Makerere University and Dr. S. Salahuddin is at the University of Zimbabwe. ISBN: 92-9158-08-2 [*published in 2000*]

**Mechanical Separation Processes** by George Afrane, Martin Y. Woode and David S. Ogunniyi

This book has been written primarily to serve as a textbook for university undergraduate students in Chemical Engineering and Mineral Process Engineering. Dr. George Afrane is at the University of Science and Technology – Ghana, Dr. Martin Y. Woode is at the University of Science and Technology- Ghana and Dr. David S. Ogunniyi is at the University of Ilorin – Nigeria ISBN: 92-9158-013-9 [*published in 2002*]



---

## Directories

---

### Directory of ANSTI Grantees and fellows 1994-2003

Since 1994 the African Network of Scientific and Technological Institutions (ANSTI) has provided grants to two hundred and thirteen (284) staff members of African S&T institutions. This directory contains names and addresses of the beneficiaries of six (6) different types of grants, which were awarded during that period. *[Published in 2003]*

### Directory of Female Engineers in some African Countries

This Directory contains entries, which are listed by countries. A total of four hundred and ninety seven (497) entries from twenty five (25) countries have been listed. Each entry has the following information: Address, telephone number, field of specialisation, education, employment record and membership of professional associations. *[Published in 2000]*

---

## Journal

---

In 1995/96 the network resumed the publication of the African Journal of Science and Technology. The journal is published twice a year.

### Others

#### Strategic issues in engineering education in Africa

*[Published in 1995]*

#### Revitalizing Continuing Engineering Education in Africa

*[Published in 2001]*

#### State of Science and Technology Training Institutions in Africa

*[Published in 2005]*

#### Revitalizing Science and Technology Training Institutions in Africa

*[Published in 2006]*



## Appendix V - Council Members and their Affiliations

No.	NAMES AND ADDRESSES	INSTITUTION/ ORGANIZATION
1.	<p>Prof. Kwesi Andam Chairman, ANSTI Governing Council Andam Chartered Engineers Private Mail Bag CT 343 ACCRA, Ghana Tel: (233) 51 60334 Fax: (233) 51 60317 Email: kwesi.andam@andamchartered.com , andamk@yahoo.com</p>	Member Institution
2	<p>Prof. Eric Edroma Vice-Chairman, ANSTI Governing Council Dean Faculty of Hospitality and Environment Nkumba University P.O. BOX 10420, KAMPALA Telephone: (075)-648603 Email: e_edroma@yahoo.com</p>	African Biosciences Network (ABN)
3.	<p>Engr. Olu Awoyinfa Secretary-General Federation of African Organizations Of Engineers Engineering Close P.O. BOX 72667, Victoria Island Lagos, Nigeria Tel: (01)-2617349, 2617315, 083-308-1426 Fax: (01)-2621779, 2617315 Email: nsehq@infoweb.abs.net, oluawoyinfa@yahoo.co.uk</p>	FAOE, Lagos, Nigeria
4.	<p>Mrs. Gabrielle von Fricks The Resident Representative DAAD Regional Office for Africa P.O. Box 14050, 00800 Nairobi, Kenya Email: info@daadafrica.org</p>	DAAD
5.	<p>Mr. Alex Tindimubona Senior Scientific Affairs Officer Economic Commission for Africa (ECA) P.O. Box 3001 Addis Ababa, Ethiopia Tel: 252-11-51-720051 Email: ATindimubona@uneca.org</p>	Economic Commission for Africa, Addis Ababa, Ethiopia

6.	Prof. Paul B. Vitta P.O. Box 216-00621, Village Market, Nairobi, Kenya Email: pbvitta@yahoo.com	Member
7.	Prof. J.G.M. Massaquoi Director UNESCO Regional Office for Science and Technology in Africa and ANSTI Coordinator P.O. Box 30592 Nairobi, Kenya Tel: (254-20) 622619 Fax: (254-20) 622750 Email: Joseph.Massaquoi@unesco.unon.org j.massaquoi@unesco.org	UNESCO
8.	Mr. Boniface Wanyama Officer-in-Charge, Science Sector Kenya National Commission for UNESCO P.O. Box 72107 – 00200 Nairobi, Kenya Tel: (254-20) 229053, 338980 (direct) Fax: (254-20) 213025 Email : bwwekesa@yahoo.com kncunesco@todays.co.ke	Kenya NATCOM
9.	Prof. George Albert Magoha Vice Chancellor University of Nairobi P.O. Box 30197 - 00100 NAIROBI, Kenya Telephone: 0722-527933 Email: vc@uonbi.ac.ke	Association of African Universities
10.	Prof. F.W.Y. Momade Provost College of Engineering Kwame Nkrumah University of Science and Technology Kumasi, Ghana Fax: 233-51-60317 Telephone: 233-51-60240 Email: fmomade@yahoo.com Fmomade.soe@knust.edu.gh	Member Institution
11.	Prof. F.A.O. Otieno Executive Dean Tshwane University of Technology Private Bag 680 Pretoria 0001 South Africa Email: otienofao@tut.ac.za, faotieno@yahoo.com	Member Institution



12.	<p>Prof. B.L.Mwamila  Chairman, Coordinating Office for Engineering  Technology  Prospective College of Engineering and Technology  University of Dar es Salaam  P.O. Box 35131 Dar es Salaam, Tanzania  Email: mwamila@udsm.ac.tz  dean@foe.udsm.ac.tz</p>	Member Institution
13.	<p>Prof. Henrietta Sumbo Abiose  Head of Department  Food Science and Technology  Obafemi Awolowo University  Main Campus, 220002, Ile-Ife  Osun State, Nigeria  Email: sabiose@yahoo.co.uk  sabiose@oauife.edu.ng</p>	Member Institution
14.	<p>Prof. Mariam Rajabu Halfani  Associate Professor  Department of Chemical Engineering,  University of Dar es Salaam,  P.O. Box 35131, Dar es Salaam, Tanzania  Email: mrhalfan@ud.co.tz</p>	Member Institution
15.	<p>Dr. Timamy Khalil  Head of Mission  Africa Union  Lagos, Nigeria  Email: mhktimamy@yahoo.co.uk</p>	Africa Union

## Appendix VI - List of Member Institutions

### BENIN (1)

Doyen  
Faculté des Sciences et  
Techniques  
Université Nationale du Bénin  
B.P.526  
COTONOU, Bénin

### BOTSWANA (2)

Dean  
Faculty of Science  
University of Botswana  
Private Bag 0022,  
GABORONE  
Botswana

Dean  
Faculty of Engineering  
Botswana Polytechnic  
Private Bag 0022,  
GABORONE  
Botswana

### BURKINA FASO (1)

Directeur  
Ecole Inter-Etat d'Ingenieurs  
de  
l'Équipement Rural  
03 B.P. 7021  
OUAGADOUGOU 03  
Burkina-Faso

### BURUNDI (1)

Doyen  
Faculté des Sciences  
Université du Burundi  
B.P.1550  
BUJUMBURA  
Burundi

### CAMEROON (6)

Directeur  
Centre National d'études et  
d'Expérimentation du  
Machinisme  
Agricole  
B.P.1040, YAOUNDE  
Cameroon

Directeur  
Ecole Nationale Supérieure  
Polytechnique  
Université de Yaoundé  
B.P.812, YAOUNDE  
Cameroon

Doyen  
Faculté des Sciences  
Université de Yaounde  
B.P.812  
YAOUNDE  
Cameroon

Dean  
Faculty of Science  
University of Buea  
P.O. BOX 63  
BUEA  
Cameroon

Directeur  
Institut National de  
Development  
Rural  
Centre Universitaire de  
Dschang  
B.P. 96  
DSCHANG, Cameroon

### CONGO (2)

Doyen  
Faculté des Sciences  
Université Marien Ngoubi  
B.P.69  
BRAZZAVILLE  
Congo

Directeur  
Institut Technologique  
Université Marien Ngoubi  
B.P.69  
BRAZZAVILLE  
Congo

### COTE D'IVOIRE (4)

Directeur  
Ecole Supérieure Inter-  
africaine  
d'Electricité  
B.P.311  
BINGERVILLE  
Côte d'Ivoire

Doyen  
Faculté de Technologie  
Université Nationale de la



Côte d'Ivoire  
01 B.P. V 34, ABIDJAN 01  
Côte d'Ivoire

Doyen  
Faculté des Sciences  
Université Nationale de la  
Côte d'Ivoire  
01 B.P. V 34, ABIDJAN 01  
Côte d'Ivoire

**DEMOCRATIQUE  
REPUBLIQUE DU  
CONGO (6)**

Doyen  
Faculté Polytechnique  
Université de Kinshasa  
B.P.255  
KINSHASA XI  
DRC

Doyen  
Faculté des Sciences  
Université de Kinshasa  
B.P.255  
KINSHASA XI  
DRC

Doyen  
Faculté Polytechnique  
Université de Lubumbashi  
B.P.1825  
LUBUMBASHI  
DRC

Doyen  
Faculté des Sciences  
Université de Lubumbashi  
B.P.1825  
LUBUMBASHI  
DRC

Dean  
Faculty of Engineering  
University of Kisangani  
(Centre Universitaire  
Extension de Bukavu)  
B.P. 570, BUKAVU  
R.D. Congo

**ETHIOPIA (2)**

Dean  
Faculty of Science  
Addis Ababa University  
P.O. BOX 1176  
ADDIS ABABA  
Ethiopia

Dean  
Faculty of Technology  
Addis Ababa University  
P.O. Box 1176  
ADDIS ABABA  
Ethiopia

**GABON (2)**

Directeur  
Ecole Nationale Supérieure  
d'Ingenieurs de Libreville  
Université Omar Bongo  
B.P.13131  
LIBREVILLE, Gabon

Doyen  
Faculté des Sciences  
Université Omar Bongo  
B.P.13131  
LIBREVILLE  
Gabon

**GHANA (5)**

Dean  
Faculty of Science  
University of Cape Coast  
CAPE COAST  
Ghana

Provost  
College of Engineering  
University of Science and  
Technology  
University Post Office  
KUMASI  
Ghana

Dean  
Faculty of Science  
University of Ghana  
LEGON  
Ghana

Dean  
Faculty for Development  
Studies  
University for Development  
Studies  
P.O. BOX 24  
NAVRONGO  
Ghana

**GUINEE (2)**

Directeur  
Centre de Recherche  
Scientifique  
de Rogbane  
MESRS  
CONAKRY  
Guinée



Directeur  
Institut Supérieure  
Polytechnique  
Gamal Abdel Nasser  
Université de Conakry  
B.P.1147, CONAKRY  
Guinée

### **KENYA (15)**

Dean  
Faculty of Engineering  
University of Nairobi  
P.O. Box 30197  
NAIROBI  
Kenya

Dean  
Faculty of Science  
University of Nairobi  
P.O. Box 30197  
NAIROBI  
Kenya

Dean  
Faculty of Engineering  
Egerton University  
P.O. BOX 536  
NJORO  
Kenya

Dean  
Faculty of Science  
Egerton University  
P.O. BOX 536  
NJORO  
Kenya

Dean  
Faculty of Engineering  
Jomo Kenyatta University of  
Agriculture and Technology

P.O. BOX 62000  
NAIROBI, Kenya

Dean  
Faculty of Science  
Jomo Kenyatta University of  
Agriculture and Technology  
P.O. BOX 62000  
NAIROBI, Kenya

Dean  
Faculty of Technology  
Moi University  
P.O. BOX 3900  
ELDORET  
Kenya

Dean  
School of Science  
Moi University  
P.O. BOX 3900  
ELDORET  
Kenya

Dean  
School of Science  
Kenyatta University  
P.O. BOX 43844  
NAIROBI, Kenya

Dean  
Faculty of Science  
Maseno University  
Private Bag  
MASENO, Kenya

Dean  
Faculty of Science and  
Technology  
Daystar University  
P.O. BOX 17, 90145  
NAIROBI  
Kenya

Dean  
Faculty of Technology  
Masinde Muliro University of  
Science and Technology  
P.O. BOX 190  
KAKAMEGA 50100  
Kenya

Dean  
Faculty of Science  
Masinde Muliro University of  
Science and Technology  
P.O. BOX 190  
KAKAMEGA 50100  
Kenya

Director  
International Centre of Insect  
Physiology  
And Ecology  
P.O. BOX 30772-00100  
NAIROBI  
Kenya

Director  
Kenya Industrial Research  
And Development Institute  
(KIRDI)  
P.O. BOX 30650 – 00100  
NAIROBI  
Kenya

### **LESOTHO (1)**

Dean  
Faculty of Science  
National University of  
Lesotho  
P.O. Roma, 180  
Lesotho



<b>LIBERIA (2)</b>	P.BOX 278 ZOMBA Malawi	University of Malawi Polytechnic P.BOX 278 ZOMBA Malawi
Head Engineering Division University of Monrovia College of Science and Technology MONROVIA Liberia	<b>MALI (2)</b>  Directeur Ecole Nationale d'Ingenieurs B.P.242 BAMAKO Mali	<b>MALI (2)</b>  Directeur Ecole Nationale d'Ingenieurs B.P.242 BAMAKO Mali
Head Science Division University of Monrovia College of Science and Technology MONROVIA Liberia	Directeur Laboratoire de l'Energie Solaire B.P.134 BAMAKO Mali	Directeur Laboratoire de l'Energie Solaire B.P.134 BAMAKO Mali
<b>MADAGASCAR (1)</b>	<b>MAURITIUS (4)</b>	<b>MAURITIUS (4)</b>
Directeur Etablissement d'Enseignement Supérieure Polytechnique Université d'Antananarivo B.P.1500, ANTANANARIVO Madagascar	Head School of Agriculture University of Mauritius REDUIT Mauritius	Head School of Agriculture University of Mauritius REDUIT Mauritius
<b>MALAWI (2)</b>	Head School of Engineering University of Mauritius REDUIT Mauritius	Head School of Engineering University of Mauritius REDUIT Mauritius
Dean Faculty of Engineering University of Malawi P.O. BOX 278 ZOMBA Malawi	Head School of Industrial Technology University of Mauritius REDUIT Mauritius	Head School of Industrial Technology University of Mauritius REDUIT Mauritius
Dean Faculty of Science University of Malawi Polytechnic	Dean Faculty of Science	



Head  
School of Science  
University of Mauritius  
REDUIT  
Mauritius

### MOZAMBIQUE (2)

Dean  
Faculty of Engineering  
Universidade Eduardo  
Mondalane  
C.P. 257  
MAPUTO  
Mozambique

Dean  
Faculty of Science  
Universidade Eduardo  
Mondalane  
C.P. 257  
MAPUTO  
Mozambique

### NAMIBIA (2)

Dean  
Faculty of Engineering  
University of Namibia  
Private Bag 13301 Storch  
Street 13  
WINDHOEK  
Namibia

Dean  
Faculty of Science  
University of Namibia  
Private Bag 13301 Storch  
Street 13  
WINDHOEK  
Namibia

### NIGERIA (41)

Dean  
Faculty of Engineering  
Ahmadu Bello University  
ZARIA

Nigeria

Dean  
Faculty of Science  
Ahmadu Bello University  
ZARIA

Nigeria

Dean  
Faculty of Engineering  
Anambra State University  
P.M.B. 01660  
ENUGU

Nigeria

Dean  
Faculty of Science  
Anambra State University  
P.M.B. 01660  
ENUGU

Nigeria

Dean  
Faculty of Engineering  
Obafemi Awolowo University  
ILE IFE

Nigeria

Dean  
Faculty of Science  
Obafemi Awolowo University  
ILE IFE

Nigeria

Dean  
Faculty of Engineering

University of Benin  
P.M.B. 1154, Ugbowo  
Campus  
BENIN CITY  
Nigeria

Dean  
Faculty of Science  
University of Benin  
P.M.B. 1154, Ugbowo  
Campus  
BENIN CITY  
Nigeria

Dean  
Faculty of Engineering  
University of Lagos  
LAGOS  
Nigeria

Dean  
Faculty of Science  
University of Lagos  
LAGOS  
Nigeria

Dean  
Faculty of Engineering  
University of Nigeria  
NSUKKA  
Enugu State  
Nigeria

Dean  
Faculty of Science  
University of Nigeria  
NSUKKA  
Enugu State  
Nigeria

Dean  
Faculty of Engineering



Ambrose Alli University P.M.B. 14 EKPOMA Nigeria	University of Ilorin ILORIN Nigeria	P.O. BOX 220 Choba, PORT HACOURT Nigeria
Dean Faculty of Science Ambrose Alli University P.M.B. 14 EKPOMA Nigeria	Dean Faculty of Science Bendel State University P.M.B. 14 EKPOMA Nigeria	Dean Faculty of Engineering University of Port Hacourt P.O. BOX 220 Choba, PORT HACOURT Nigeria
Dean Faculty of Engineering Michael Okpara University of Agriculture Umudike, P.M.B. 7267 Umuahia - Abia State Nigeria	Dean College of Food Technology University of Agriculture, Makurdi Private Mail Bag 2373 MAKURDI, Nigeria	Dean Faculty of Science Lagos State Polytechnic Sagamu Road, Ikorodu P.M.B. 21606 IKEJA – LAGOS Nigeria
Dean Faculty of Science Michael Okpara University of Agriculture Umudike, P.M.B. 7267 Umuahia - Abia State Nigeria	Dean University of Agriculture, Makurdi Private Mail Bag 2373 MAKURDI, Nigeria	Dean Faculty of Engineering Lagos State Polytechnic Sagamu Road, Ikorodu P.M.B. 21606 IKEJA – LAGOS Nigeria
Dean Faculty of Technology University of Ibadan IBADAN Nigeria	Dean Faculty of Technology Federal University of Technology, AKURE P.M.B. 704 ONDO STATE, Nigeria	Dean Faculty of Science University of Agriculture, ABEOKUTA P.M.B. 2240, Ogun State Nigeria
Dean Faculty of Science University of Ibadan IBADAN Nigeria	Dean Federal University of Technology, AKURE P.M.B. 704 ONDO STATE, Nigeria	Dean College of Engineering University of Agriculture, ABEOKUTA P.M.B. 2240, Ogun State Nigeria
Dean Faculty of Science	Dean Faculty of Science University of Port Hacourt	



Dean  
Faculty of Science  
Lagos State University  
Badagry Expressway Ojo  
P.M.B. 1087, APAPA  
LAGOS, Nigeria

Dean  
Faculty of Engineering  
Lagos State University  
Badagry Expressway Ojo  
P.M.B. 1087, APAPA  
LAGOS, Nigeria

Dean  
Faculty of Technology  
Federal University of  
Technology  
MINNA, P.M.B. 65  
MINNA, Niger State  
Nigeria

Dean  
Faculty of Science  
Federal University of  
Technology  
MINNA, P.M.B. 65  
MINNA, Niger State  
Nigeria

Dean  
Faculty of Science  
Redeemer's University  
KM 46/48 LAGOS/Ibadan  
Expressway  
Redemption City, Ogun State  
P.O. BOX 7914  
IKEJA, LAGOS, Nigeria

Dean  
Faculty of Science  
Akwa Ibom State University

of Technology  
University Town  
AKWA IBOM  
Nigeria

Dean  
Faculty of Technology  
Akwa Ibom State University  
of Technology  
University Town  
AKWA IBOM  
Nigeria

Dean  
Faculty of Science  
Ladoke Akintola University of  
Technology  
PMB 4000, OGBOMOSO  
Nigeria

Dean  
Faculty of Engineering  
Ladoke Akintola University of  
Technology  
PMB 4000, OGBOMOSO  
Nigeria

Dean  
Faculty of Science  
University of Mkar  
P.M.B. 017, GBOKO  
Benue State  
Nigeria

Dean  
Faculty of Engineering  
University of Mkar  
P.M.B. 017, GBOKO  
Benue State  
Nigeria

## RWANDA (4)

Doyen  
Faculté des Engineering  
Université Nationale du  
Rwanda  
B.P.117  
BUTARE  
Rwanda

Doyen  
Faculté des Sciences  
Université Nationale du  
Rwanda  
B.P.117  
BUTARE  
Rwanda

Dean  
Faculty of Science  
Kigali Institute of Science,  
Technology and  
Management (KIST)  
Avenue de l'Armée  
B.P. 3900 KIGALI  
Rwanda

Dean  
Faculty of Science  
Ladoke Akintola University of  
Technology  
PMB 4000, OGBOMOSO  
Nigeria

Dean  
Faculty of Engineering  
Ladoke Akintola University of  
Technology  
PMB 4000, OGBOMOSO  
Nigeria



Dean  
Faculty of Science  
University of Mkar  
P.M.B. 017, GBOKO  
Benue State  
Nigeria

Dean  
Faculty of Engineering  
University of Mkar  
P.M.B. 017, GBOKO  
Benue State  
Nigeria

**RWANDA (4)**

Doyen  
Faculté des Engineering  
Université Nationale du  
Rwanda  
B.P.117  
BUTARE  
Rwanda

Doyen  
Faculté des Sciences  
Université Nationale du  
Rwanda  
B.P.117  
BUTARE  
Rwanda

Dean  
Faculty of Science  
Kigali Institute of Science,  
Technology and  
Management (KIST)  
Avenue de l'Armée  
B.P. 3900 KIGALI  
Rwanda

Dean  
Faculty of Technology  
Kigali Institute of Science,  
Technology and  
Management (KIST) Avenue  
de l'Armée  
B.P. 3900 KIGALI  
Rwanda

Dean  
Faculty of Science  
Ladoke Akintola University of  
Technology  
PMB 4000, OGBOMOSO  
Nigeria

Dean  
Faculty of Engineering  
Ladoke Akintola University of  
Technology  
PMB 4000, OGBOMOSO  
Nigeria

Dean  
Faculty of Science  
University of Mkar  
P.M.B. 017, GBOKO  
Benue State  
Nigeria

Dean  
Faculty of Engineering  
University of Mkar  
P.M.B. 017, GBOKO  
Benue State  
Nigeria

**RWANDA (4)**

Doyen  
Faculté des Engineering  
Université Nationale du

Rwanda  
B.P.117  
BUTARE  
Rwanda

Doyen  
Faculté des Sciences  
Université Nationale du  
Rwanda

B.P.117  
BUTARE  
Rwanda

Dean  
Faculty of Science  
Kigali Institute of Science,  
Technology and  
Management (KIST)  
Avenue de l'Armée  
B.P. 3900 KIGALI  
Rwanda

Dean  
Faculty of Technology  
Kigali Institute of Science,  
Technology and  
Management (KIST) Avenue  
de l'Armée  
B.P. 3900 KIGALI  
Rwanda

**SENEGAL (2)**

Directeur  
Ecole Nationale Supérieure  
Universitaire Technologique  
Université Cheikh Anta Diop  
de Dakar, B.P.5005, DAKAR  
Senegal

Doyen  
Faculté des Sciences



Université Cheikh Anta Diop  
de Dakar, B.P.5005  
DAKAR-Fann  
Senegal

#### SIERRA LEONE (4)

Dean  
Faculty of Engineering  
University of Sierra Leone  
Fourah Bay College  
Private Mail Bag,  
FREETOWN  
Sierra Leone

Dean  
Faculty of Science  
University of Sierra Leone  
Fourah Bay College  
Private Mail Bag  
FREETOWN  
Sierra Leone

Dean  
Faculty of Technology  
Kigali Institute of Science,  
Technology and  
Management (KIST) Avenue  
de l'Armée  
B.P. 3900 KIGALI  
Rwanda

Dean  
Faculty of Science  
Ladoke Akintola University of  
Technology  
PMB 4000, OGBOMOSO  
Nigeria

Dean  
Faculty of Engineering  
Ladoke Akintola University of

Technology  
PMB 4000, OGBOMOSO  
Nigeria

Dean  
Faculty of Science  
University of Mkar  
P.M.B. 017, GBOKO  
Benue State  
Nigeria

Dean  
Faculty of Engineering  
University of Mkar  
P.M.B. 017, GBOKO  
Benue State  
Nigeria

#### RWANDA (4)

Doyen  
Faculté des Engineering  
Université Nationale du  
Rwanda  
B.P.117  
BUTARE  
Rwanda

Doyen  
Faculté des Sciences  
Université Nationale du  
Rwanda  
B.P.117  
BUTARE  
Rwanda

Dean  
Faculty of Science  
Njala University College  
New England  
FREETOWN  
Sierra Leone

#### SOMALIA (1)

Dean  
Somalia National University  
P.O.BOX 15  
MOGADISCIO  
Somalia

#### SOUTH AFRICA (14)

Dean  
School of Engineering  
University of South Africa  
- Florida  
Private Bag X6, Florida 1710  
South Africa

Dean  
School of Science  
University of South Africa  
- Florida  
Private Bag X6, Florida 1710  
South Africa

Dean  
Faculty of Engineering  
University of Kwa-Zulu Natal  
Private Bag X54001  
DURBAN 4000  
South Africa

Dean  
Faculty of Science  
University of Kwa-Zulu Natal  
Private Bag X54001  
DURBAN 4000  
South Africa

Dean  
Faculty of Engineering  
TWR Technikon  
(Witwatersrand)



P.O. BOX 17011  
Doornfontein 2028, 37 Nind  
Street  
Doornfontein 2094, South  
Africa

Dean  
Faculty of Science  
TWR Technikon  
(Witwatersrand)  
P.O. BOX 17011  
Doornfontein 2028, 37 Nind  
Street  
Doornfontein 2094, South  
Africa

Dean  
Faculty of Engineering  
Tshwane University of  
Technology  
Private Bag X680, Pretoria  
0001  
South Africa

Dean  
Faculty of Science  
Tshwane University of  
Technology  
Private Bag X680, Pretoria  
0001  
South Africa

Dean  
Faculty of Engineering  
University of Johannesburg  
P.O. BOX 524  
Auckland Park 2006  
South Africa

Dean  
Faculty of Science  
University of Johannesburg

P.O. BOX 524  
Auckland Park 2006  
South Africa  
  
Dean  
Faculty of Engineering  
Stellenbosch University  
Private Bag X2  
Matieland 7602  
South Africa

Dean  
Faculty of Science  
Stellenbosch University  
Private Bag X2  
Matieland 7602  
South Africa  
  
Dean  
School of Engineering  
University of South Africa  
Private Bag X6  
Florida 1710  
South Africa

Dean  
School of Science  
University of South Africa  
Private Bag X6  
Florida 1710  
South Africa

Dean  
School of Engineering  
University of South Africa  
P.O. BOX 392  
PRELLER Street  
Muckleneuk  
PRETORIA  
South Africa

## SUDAN (6)

Dean  
Faculty of Engineering  
University of Khartoum  
P.O. BOX 321  
KHARTOUM  
Sudan

Dean  
Faculty of Science  
University of Khartoum  
P.O. BOX 321  
KHARTOUM  
Sudan

Dean  
Faculty of Science  
Sudan University of Science  
and Technology  
P.O. BOX 407  
KHARTOUM  
Sudan

Dean  
Faculty of Technology  
Sudan University of Science  
and Technology  
P.O. BOX 407  
KHARTOUM  
Sudan

Dean  
Faculty of Science  
University of Juba  
P.O. BOX 321/1  
KHARTOUM  
Sudan

President  
Sudan Academy of Sciences  
(SAS)



P.O. BOX 86  
Postal Code 11111  
KHARTOUM, Sudan

### SWAZILAND (1)

Dean  
Faculty of Science  
University of Swaziland  
Private Bag 4  
KWALUSENI  
Swaziland

### TANZANIA (3)

Dean  
Prospective College of  
Engineering  
and Technology  
University of Dar es salaam  
P.O. BOX 35091  
DAR ES SALAAM,  
Tanzania

Dean  
Faculty of Science  
University of Dar-es-Salaam  
P.O. Box 35091  
DAR-ES-SALAAM  
Tanzania

Dean  
Faculty of Agriculture  
Sokoine University of  
Agriculture  
P.O.BOX 3006  
Chuo Kikuu, MOROGORO  
Tanzania

### TOGO (3)

Directeur  
Ecole Nationale Supérieure  
d'Ingénieurs  
Université du Bénin  
B.P. 1515  
LOME, Togo

Directeur  
Ecole Supérieure de  
Mécanique  
Industrielle  
Université du Bénin  
B.P.1515, LOME  
Togo

Doyen  
Faculté des Sciences  
Université du Bénin  
B.P.1515  
LOME  
Togo

### UGANDA (8)

Dean  
Faculty of Science  
Makerere University  
P.O.BOX 7062  
KAMPALA  
Uganda

Dean  
Faculty of Technology  
Makerere University  
P.O. Box 7062  
KAMPALA  
Uganda

Dean  
Faculty of Engineering

Gulu University  
P.O. BOX 166  
GULU, Kampala

Dean  
Faculty of Science  
Gulu University  
P.O. BOX 166  
GULU, Kampala

Dean  
Faculty of Engineering  
Kyambogo University  
P.O. BOX 7062  
KAMPALA  
Uganda

Dean  
Faculty of Science  
Kyambogo University  
P.O. BOX 7062  
KAMPALA  
Uganda

Dean  
Faculty of Science  
Busitema University  
P.O. BOX 236  
TORORO  
Uganda

Dean  
Faculty of Engineering  
Busitema University  
P.O. BOX 236  
TORORO  
Uganda



Dean  
School of Engineering  
University of Zambia  
P.O. Box 32379  
LUSAKA  
Zambia

Dean  
School of Natural Sciences  
University of Zambia  
P.O. BOX 32379  
LUSAKA  
Zambia

Dean  
School of Mines  
University of Zambia  
P.O. Box 32379  
LUSAKA  
Zambia

### **ZIMBABWE (7)**

Dean  
Faculty of Engineering  
University of Zimbabwe  
P.O. BOX MP 167  
Mount Pleasant, HARARE  
Zimbabwe

Dean  
Faculty of Science  
University of Zimbabwe  
P.O. BOX MP 167  
Mount Pleasant, HARARE  
Zimbabwe

Faculty of Technology  
National University of Science  
and Technology  
P.O. BOX AC 939

ASCOT, Bulawayo  
Zimbabwe

Dean  
Faculty of Science  
National University of Science  
and Technology  
P.O. BOX AC 939  
ASCOT, Bulawayo  
Zimbabwe

Dean  
Faculty of Technology  
Chinhoyi University of  
Technology  
Private Bag 7724  
Off Harare – Chirundu Road  
CHINHOYI, Zimbabwe

Dean  
Faculty of Science  
Chinhoyi University of  
Technology  
Private Bag 7724  
Off Harare – Chirundu Road  
CHINHOYI, Zimbabwe

## *Appendix VII – List of Donors*

1. **United Nations Educational Scientific and Cultural Organization (UNESCO)**  
Address: P.O Box 30592, Nairobi, Kenya  
E-mail: [nairobi@unesco.org](mailto:nairobi@unesco.org)
2. **The German Academic Exchange Service (DAAD)**  
Address: Regional Office for Africa, Madison Insurance House, Upper Hill Road, off Ngong' Road, P.O. Box 14050, Nairobi, Kenya  
E-mail: [info@daadafrica.org](mailto:info@daadafrica.org)
3. **The United Nations University (UNU)**  
Address: 5-53-70 Jingumae, Shibuya-ku, Tokyo, 150-8925  
E-mail: [mbox@hq.unu.edu](mailto:mbox@hq.unu.edu)
4. **The United Nations Development Programme (UNDP)** under the umbrella of the United Nations Volunteer Programme (UNV)  
Address: P.O. Box 31028, Nairobi, Kenya  
E-mail: [fo.ken@undp.org](mailto:fo.ken@undp.org)
5. **The Government of the Netherlands**  
Address: Cultural Cooperation and Research Development, Education and Development Division, Bezuidenhoutseweg 67, 2549 AC The Hague, The Netherlands E-mail: visit [www.minbuza.nl](http://www.minbuza.nl) to be directed to an online query form that will be replied to you as e-mail.
6. **International Development Research Centre (IDRC)**  
Address: Grant Administration Division, Resource Branch, P.O Box 8500, Ottawa, ON, 250 Albert Street, Canada, K1G 3H9
7. **Carnegie Corporation of New York**  
Madison Avenue, New York, NY 10022, United States of America.



## *Appendix VIII - ANSTI Staff*

1. **COORDINATOR  
(Part-Time Service): -** Prof. J. G. M. Massaquoi  
Director  
UNESCO Regional Bureau for Science and Technology in  
Africa  
E-Mail: joseph.massaquoi@unesco.unon.org  
Tel: - 254-20-7622619/20
  
2. **ADMINISTRATIVE  
ASSISTANT: -** Mrs. Mary Matemu  
E-Mail: m.matemu@unesco.org **OR** mary.matemu@ansti.org  
Tel: - 254-20-7622620
  
3. **PROGRAMME  
ASSISTANTS: -** Ms. Anne Wamithi  
Email: anne.wamithi@ansti.org  
Tel: - 254-20-7622725  
  
Mr. David Kirenga  
Email: d.kirenga@unesco.org  
Tel: - 254-20-7622951
  
4. **FINANCE  
ASSISTANT: -** Mr. Patrick Ndegwa  
Email: Patrick.ndegwa@ansti.org  
Tel: - 254-20-7621254
  
5. **CLERK: -** Mr. Joseph Njoroge Kiarie  
E-Mail: j.njoroge@unesco.org **OR** joseph.njoroge@ansti.org  
Tel: - 254-20-7622716

## Appendix IX – Statement of activities and funds managed by ANSTI Secretariat in 2007

Receipts		
Contribution for 2007		
	Dutch	\$185,000
	UNU	\$38,000
	DAAD (paid in kind)	\$121,000
	UNESCO	\$15,154
<b>TOTAL revenue 2007</b>		<b>\$359,154</b>
Expenses (including outstanding commitments)		
Programme activities		\$261,553
*	Conference Grant	\$17,941
*	Post Graduate Fellowships	\$198,914
*	Staff exchange fellowships	\$5,000
*	Facilitate use of African Scientists in Diaspora	\$2,000
*	Distance training activities	\$0
*	Training workshops	\$0
*	Dissemination of Information	\$37,698
**	AJST Journal	\$15,000
**	Newsletter	\$2,000
**	ANSTI website	\$733
**	Database and Directory	\$19,965
	Governing Council	\$17,947
	COVIDSET 2007	\$60,000
	General Administration	\$24,073
	Temporary staff	\$6,208
	General communication	\$13,460
	Equipment, materials and supplies	\$568
	Fundraising Activities, Others	\$3,837
<b>TOTAL expenditure in 2007</b>		<b>\$363,573</b>
Amount Carried forward to 2008		-\$4,419

### Note:

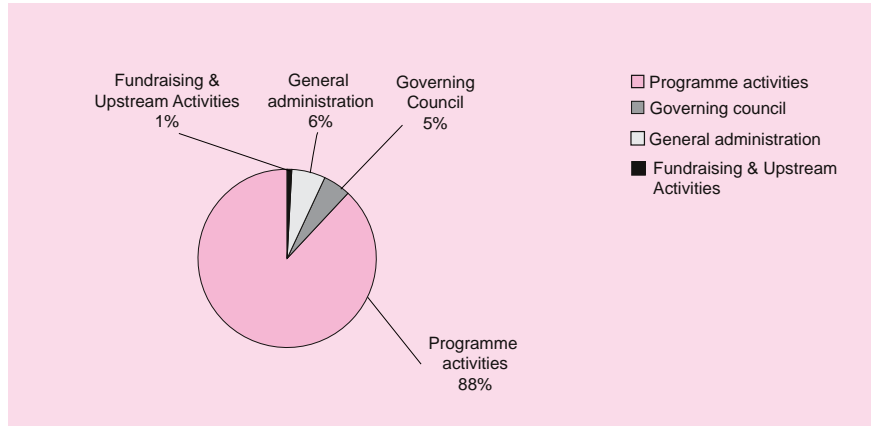
1. Post graduate fellowship includes \$38,000- UNU (New), \$121,000- DAAD (New) and \$39,914- Dutch (New)
2. The bulk of UNESCO grants to ANSTI is administered directly by UNESCO office.



## Appendix 1X Contd. - Distribution of Funds administered by ANSTI secretariat

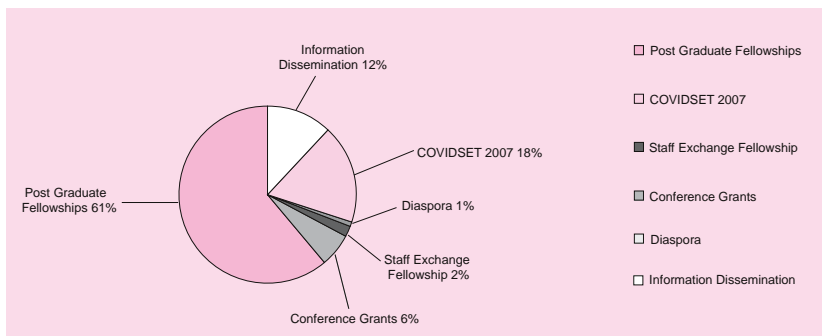
### Distribution of Funds

Programme Activities	\$321,554
Governing Council	\$17,947
General Administration	\$20,236
Fundraising & Upstream Activities	\$3,837
<b>Total</b>	<b>\$363,574</b>



### Programme Activities

Post Graduate Fellowships	198,914.00
Conference Grants	17,942.00
Staff Exchange Fellowships	5,000.00
Diaspora Scientists	2,000.00
COVIDSET 2007	60,000.00
Dissemination of Information	37,698.00
<b>Total</b>	<b>321,554.00</b>



## Appendix X – Members in Good Standing

*(Members who have paid their dues at least once in the last two years)*

COUNTRY	INSTITUTIONS
Benin	University of Benin – IMSP-ICTP
Botswana	University of Botswana Botswana College of Agriculture
Burundi	University of Burundi
Cameroun	National Advanced School of Public Works, Cameroun University of Buea, Cameroun University of Yaounde University of Dschang University of Doula
Congo DR Congo	University of Marien Ngoubi Universite de Bukavu
Ethiopia	Addis Ababa University, Addis Ababa
Ghana	Kwame Nkrumah University of Science and Technology, University of Cape Coast, Ghana University of Development Studies, Ghana
Kenya	University of Nairobi, NAIROBI Kenyatta University, NAIROBI Jomo Kenyatta University of Agriculture and Technology Daystar University, NAIROBI International Centre for Insect Physiology (ICIPE) Kenya Industrial Research and Development Institute (KIRDI) Masinde Muliro University College of Science and Technology Maseno University Moi University
Lesotho	University of Lesotho
Malawi	University of Malawi
Mauritius	University of Mauritius, REDUIT



Namibia	University of Namibia, WINDHOEK
Nigeria	Obafemi Awolowo University, ILE IFE Lagos State Polytechnic University of Agriculture, MAKURDI Federal University of Technology, AKURE University of Agriculture, ABEOKUTA University of Ibadan University of Port Hacourt Lagos State University University of Lagos Federal University of Technology, MINNA Federal University of Technology, AKURE University of Agriculture, ABEOKUTA Redeemers University Michael Okpara University of Agriculture, UMUDIKE Akwa Ibom State University of Technology Ladoke Akintola University of Technology University of Mkar
Rwanda	Kigali Institute of Science and Technology National University of Rwanda
South Africa	University of Kwazulu Natal Tshwane University of Technology University of Johannesburg Stellenbosch University University of South Africa
Sierra Leone	University of Sierra Leone Njala University
Sudan	Sudan University of Science and Technology Sudan Academy of Sciences (SAS)
Tanzania	University of Dar es salaam Sokoine University of Dar es salaam
Uganda	Makerere University Kyambogo University Gulu University Busitema University Uganda National Commission for UNESCO
Zambia	University of Zambia
Zimbabwe	University of Zimbabwe Chinhoyi University National University of Science and Technology,



