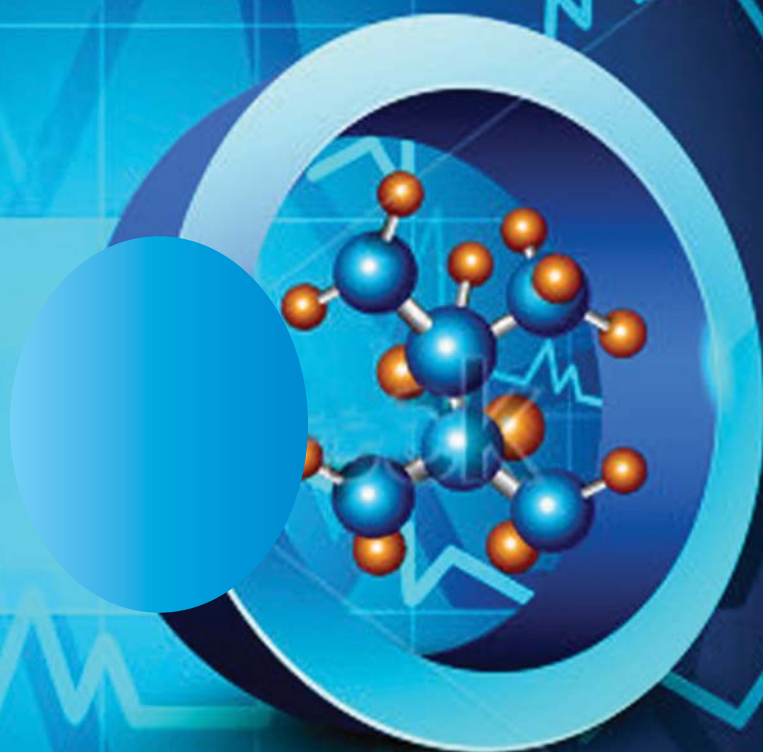




African Technology Policy Studies Network

Annual Report 2011

Science, Technology and Innovations
for African Development



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List of Acronyms

AAS	African Academy of Sciences
AAU	Association of African Universities
ABS	Access and Benefit Sharing
ACCFP	African Climate Change Fellowship Programme
ACET	African Centre for Economic Transformation
ACODE	Advocates Coalition for Development and Environment
ACPC	Africa Climate Policy Centre
AGM	Annual General Meeting
AHERS	African Higher Education and Research Space
AIAE	African Institute of Applied Economics
ANAFE	African Network for Agro-forestry Education
APHRC	African Population and Health Research Centre
ARIPO	African Regional Intellectual Property Organization
ATPS	African Technology Policy Studies Network
AU	Africa Union
AWFST	African Women Forum for Science and Technology
AYFST	African Youth Forum for Science and Technology
BEST	Biodiversity, Ecosystem Services, Social Sustainability and Tipping Points in African Dry lands project
BIPCEA	Bio-resources Innovation Policy Consortium for Eastern Africa
BTA	Biotechnology Trust Africa
CAR	Central African Republic
CAADEP	Comprehensive African Agricultural Development Programme
CoP	Conference of Parties
CoP-17	United Nations Climate Change Conference, Durban, South Africa
COSTECH	Tanzanian Commission for Science and Technology
CSP	Climate Sense Program
DeIPHE	Development Partnerships in Higher Education
DSTR	Directorate of Science, Technology and Research, Rwanda
ECA	Economic Commission for Africa
Eol(s)	Expression(s) of Interest



EMOD	Executive Master of Science in Organizational Development
FARA	Forum for Agricultural Research in Africa
FANRPAN	Food, Agriculture, Natural Resources Policy Analysis Network
FME	Federal Ministry of Environment (Nigeria)
GHGs	GreenHouse Gases
GO-SPIN	Global Observatory of Policy Instruments on Science, Technology and Innovation
HESP	Higher Education Support Program
ICE	Interactive Collaborative Environment
ILRI	International Livestock Research Institute
IPCC	Intergovernmental Panel on Climate Change
IP	Intellectual Property
ISAAA	International Service for the Acquisition of Agri-Biotech Applications
MDG(s)	Millennium Development Goal(s)
MKU	Mt. Kenya University
MoU	Memorandum of Understanding
NANO-DEV	Nanotechnologies for Development
KNCST	National Council for Science and Technology (Kenya)
NEPAD	New Partnership for African Development
NGO(s)	Non-Governmental Organization(s)
NISER	Nigerian Institute for Social and Economic Research
NSC	National Steering Committee
OAU	Organization of African Unity
PanAAC	Pan African Agri-Business Consortium
RMRDC	Raw Materials Research and Development Council
RSC	Regional Steering Committee
S&T	Science & Technology
SCP	Sustainable Consumption and Production
SEI	Stockholm Environment Institute
SET-DEV	Science Ethics and Technological Responsibility in Developing and Emerging Countries
SIDA	Swedish International Development Agency



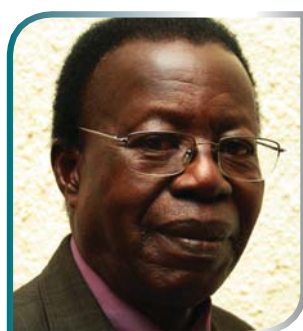
SPC	State Project Coordinators (SPC)
SPM	Summary for Policy Makers
SRDA	Scientific Revival Day for Africa
STEPS Centre	Social, Technological and Environmental Pathways to Sustainability (STEPS) Centre
STI	Science, Technology and Innovation
TAC	Technical Advisory Committee
TK	Traditional Knowledge
ToTs	Training of Trainers
TREC-CAfrica	Transdisciplinary Training for Resource Efficiency and Climate Change Adaptation in Africa
TWAS-ROSSA	The Academy of Sciences for the Developing World – Regional Office for Sub Saharan Africa
UCL	University College of London
UK	United Kingdom
UN	United Nations
UNCST	Uganda National Council for Science and Technology
UN-ECA	United Nations Economic Commission for Africa
UNEP	United Nations Environment Program
UNESCO	United Nations Education, Scientific and Cultural Organization
UniBRAIN	Universities, Business, and Research in Agricultural INnovations
USA	United States of America
USIU	United States International University
ZSL	Zoological Society of London



Board of Directors



Prof Shaukat Abdulrazak Ali
Chairman



Prof Turner Issoun



Prof Indira Nath



Prof Kevin Urama
Ex Officio Member



Prof Sir Brian Heap



Prof Agness Mwang'ombe

Vision

To become the leading international centre of excellence and reference in science, technology and innovation systems research, training and capacity building, communication and sensitization, knowledge brokerage, policy advocacy and outreach in Africa.

Mission

To improve the quality of science, technology and innovation systems research and policy making in Africa by strengthening capacity for science and technology knowledge generation, communication and dissemination, use and mastery for sustainable development in Africa.

Overall Goal

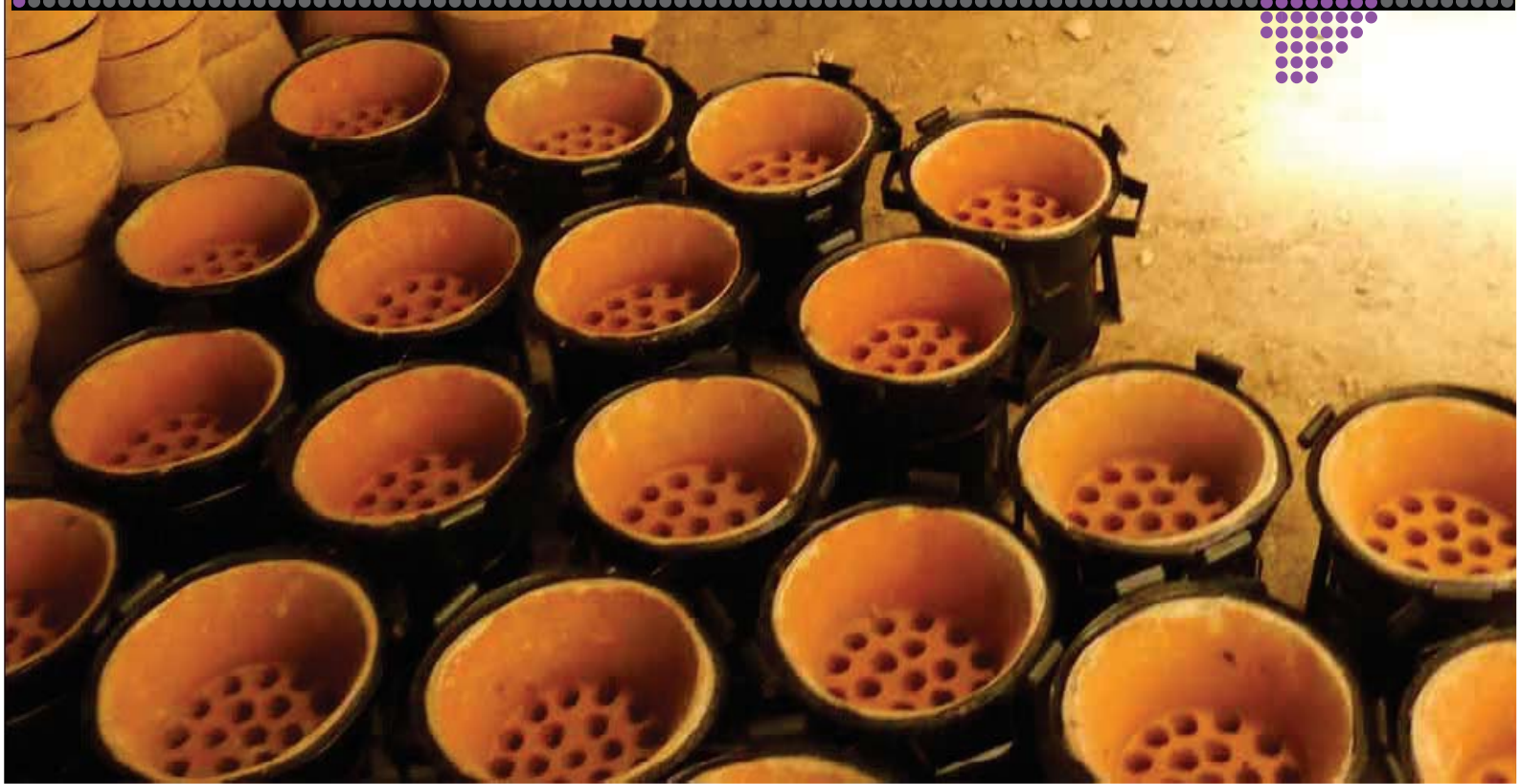
To develop Africa's STI capacity (knowledge basis and infrastructure, knowledge conditions and policies) today for sustainable African development tomorrow.

A photograph of a warehouse interior. The walls are made of corrugated metal. The floor is covered with stacks of various items. In the foreground, there are several stacks of reddish-brown bricks. Behind them, there are numerous stacks of metal drums or barrels, some of which are painted in different colors like red, green, and blue. The lighting is warm and somewhat dim.

The Chairman's Message



Science, Technology and Innovations
for African Development





The Chairman's Message

It gives me pleasure to introduce the African Technology Policy Studies Network (ATPS) Annual Report for the year 2011.

This report presents a summary update of the STI capacity building activities and financial position of the African Technology Policy Studies Network (ATPS) Secretariat for the period 01 January 2011 to 31 December 2011. The report is organized under the strategic objectives outlined in the ATPS Annual Work plan for the period 01 January – 31 December 2011.

The ATPS is the leading trans-disciplinary network of researchers, policymakers, private sector actors and civil society that promotes capacity strengthening in science, technology and innovation (STI) policy research, dialogue and practice, for sustainable development in Africa. With its headquarters in Kenya, the ATPS works through its National Chapters in 30 countries (27 in Africa and one each in USA, UK, and Australia established for Africans in the Diaspora). Its core functions include STI knowledge generation; knowledge brokerage; knowledge dissemination & outreach; and knowledge valorization with support from development partners. The ATPS has full Diplomatic status in the Republic of Kenya where its regional Secretariat is hosted.

ATPS supports capacity building activities in the area of Science, Technology and Innovation (STI) policy research and research capacity building (knowledge generation), intra-African and global cooperation and partnerships, youth and gender empowerment, training and sensitization, science communications and stakeholder dialogue, STI outreach, knowledge brokerage, knowledge cir-



Prof. Shaukat Abdulrazak Ali
Board Chairman

ulation and networking, and policy dialogues for sustainable development in Africa. Through these thematic and facilitative activities, the ATPS has continued to provide platforms for improved STI policy research, policy making and implementation for African development.

All ATPS programs focus on facilitating innovation capacity development at individual, institutional, country and regional levels.

In this regards, we are happy to note the significant increase in the activities of the ATPS during the reporting period. The number and quality of research conducted by the Network increased significantly



during the year and so did the membership of the network. The ATPS successfully completed many of its ongoing collaborative research capacity building activities during the year and commenced new programs with diverse partners globally. I am also delighted to note the increase in global reach and influence of the ATPS as it strives to represent the African voice on STI policy dialogues in Africa and globally. Notable amongst many of such engagements in 2011 was ATPS' side events and continued presence at the 17th Conference of Parties to the United Nations Framework Convention on Climate Change hosted in Durban, South Africa. ATPS participated in an exhibition for the African Pavilion in and the CoP serving as the meeting place for Parties Member countries and delegates seeking technical support and guidance on emerging issues on climate finance, technology transfer and low carbon development in the negotiations. The ATPS delegation to the African Pavilion under the stewardship of our Executive Director, hosted a side event where leading experts presented key papers to inform Africa's position at the COP on (i) Climate Finance; (ii) Low Carbon Development; and (iii) Technology Transfer.

The ATPS Board is also delighted to note the record expansion and global reach of the Network during the year. The ATPS not only strengthened its national chapters in the 23 African countries, it also expanded into six more countries including Egypt, Sudan, Rwanda, Morocco, United Kingdom and

the United States of America with plans in place to expand to all countries of Africa and establish Diaspora chapters in China, Australia, South America and India. ATPS also provided funding for the strengthening of National chapters in Liberia, Ethiopia, Lesotho, South Africa, Zambia and Zimbabwe respectively. The ATPS Diaspora chapters provide platforms for African's in the diaspora and friends of Africa living and working outside the continent to effectively participate in African development efforts through STI. This is an implementation activity of the African Manifesto for Science, Technology and Innovation launched by the ATPS and its partners in Egypt in November 2010. The aim is to turn brain drain into brain gain through knowledge brokerage and knowledge circulation.

I am also delighted to note the expansion in the number and quality of institutional collaborations and partnership agreements entered into by the ATPS during the year. The ATPS prioritises partnerships as a useful tool for pulling resources, knowledge and expertise together to address challenges of mutual interest for African development. The memorandum of understanding signed with like-minded international organisations and pan-African governmental agencies during the year is therefore welcome developments. Let me use the opportunity to thank our partners including the United Nations Economic Commission for Africa (UNECA) who signed an MoU to collaborate with ATPS in the development and implementation of



the Africa Climate Policy Centre's (ACPC) work program on (i) Technology Transfer, (ii) Knowledge, sharing and networking, (iii) Climate policy analyses and support to African governments, and other specific activities of mutual interest to both organizations that may be determined from time to time. I also thank the African Union Commission (AUC), the United Nations Agencies, African governments, relevant Ministries, universities, and other stakeholders for their continued support and collaborations with the ATPS Secretariat in implementation of STI related activities during the year. We value your partnerships and look forward to strengthening our work together in the coming years.

I also wish to specially appreciate the Netherlands Ministry for Foreign Affairs (Netherlands Directorate-General of Development Cooperation- DGIS), the Rockefeller Foundation, the Open Society Foundations, the European Commission, International Livestock Research Institute (ILRI), United Nations Environmental Programs (UNEP), University of Maastricht, the Government of the Federal Republic of Nigeria, for their financial support which has enabled the ATPS to implement its activities during the year. As you are aware, the activities of the ATPS are informed by strategic policy priorities of the African countries and policy stakeholders usually documented in multi-year Strategic Plans. The on-going Phase VI Strategic Plan commenced in January 2009 and will end in December 2012. I am delighted to note that significant progress has been

made in realizing the objectives stated under the ATPS Phase VI Strategic Plan (2008-2012) as confirmed by the external evaluation report which was released in December 2011 (see http://www.atpsnet.org/media_centre/focus/evaluation-report/index.php). On behalf of the ATPS membership, allow me to take this opportunity to thank you very much for your continued support and partnership and request your continued partnership as the ATPS prepares to enter into a new strategic phase in its efforts to strengthen Africa's STIP capacity for sustainable development. You would agree with me that this important role of the ATPS is needed now even more than before.

Finally, I wish to thank my fellow Board members and the Secretariat staff for their hard work, which has enabled this progress to be made during the year. I reaffirm ATPS commitment to continue championing this important function in the region. We look forward to all your continued support in so doing. I wish you all a prosperous and fruitful 2012.

Thank you, God bless ATPS.

Prof. Shaukat Ali Abdulrazak
Chair, ATPS Board /
Executive Secretary (CEO), National Council for Science and Technology, Republic of Kenya.



Executive Director's Message

Science, Technology and Innovations
for African Development



Executive Director's Message

This report presents a summary update of the STI capacity building activities and financial position of the African Technology Policy Studies Network (ATPS) Secretariat for the period 01 January 2011 to 31 December 2011.

The report is organized under the strategic objectives outlined in the ATPS Annual Work plan for the period 01 January – 31 December 2011 as approved by the ATPS Board and our development partners. These include:

- i. Research, Research Capacity Building & Knowledge Generation
- ii. International Cooperation and Partnerships;
- iii. Youth and Gender Empowerment;
- iv. Training and Sensitisation;
- v. Science Communications and Stakeholder Dialogue
- vi. Outreach, Knowledge Brokerage, Knowledge Circulation and Policy Dialogue
- vii. Technical Support Program Activities A-F and Network
- viii. Management/Coordination

In line with its vision, ATPS continued to strengthen capacities of all ATPS actors and stakeholders within Africa's innovation systems at the national, regional and continental levels. It has continued to act as the STI knowledge broker amongst the quadruple helix: policymakers, private sector actors, science experts and the civil society, to ensure effective identification, prioritisation, research and



Prof. Kevin Urama
Executive Director

policy making on key and emerging development challenges of the continent in a rapidly changing global economy. The aim is to provide sound scientific evidence to inform STI policy making in response to Africa's development challenges at national, regional and global scales. This effort is informed by the firm belief that unless African countries strengthen their science, technology and innovation capacities, achieving sustainable development and global competitiveness will remain a mirage.

All ATPS thematic research and research capacity building programs focus on facilitating innovation



All ATPS thematic research and research capacity building programs focus on facilitating innovation capacity development at individual, institutional, country and regional levels. Each research program is therefore designed to include the “make” or “design” perspective, i.e. translation of the research outputs into “institutional” and/ or “social engineering” designs, and/or cost effective “technical designs/technologies” that are necessary to the specific development and/or policy gaps addressed.

capacity development at individual, institutional, country and regional levels. Each research program is therefore designed to include the “make” or “design” perspective, i.e. translation of the research outputs into “institutional” and/or “social engineering” designs, and/or cost effective “technical designs/technologies” that are necessary to the specific development and/or policy gaps addressed. To enhance the process, each research team is expected to include (or proactively engage) trans-disciplinary science experts; relevant policy-makers and practitioners at all stages of the project cycle: from conception to implementation and dissemination of results. The scientific quality; added value and innovation content; and societal and policy relevance of activities are regarded of equal importance in all ATPS activities.

During the reporting year, ATPS recorded many successes in the face of many challenges. Some of the achievements during the years include:

1. Expansion and strengthening of ATPS National Chapters: - The network strengthened its national chapters in six countries including Liberia, Ethiopia, Lesotho, South Africa,

Zambia and Zimbabwe and provided seed funding for the launch of new chapters in six countries including Egypt, Sudan, Rwanda, Morocco, United Kingdom and the United States of America

2. Establishments and strengthening of Intellectual Property Rights (IPR) National Steering Committees in four countries including Kenya, Zimbabwe, Uganda and Lesotho.
3. Completed on-going research programs including the European Commission (EC) funded collaborative project on “*Science Ethics and Technological Responsibility in Developing and Emerging Countries*” (SET-DEV). The program resulted in key outputs, namely, two manifestos - an African and an Indian manifesto for Science, Technology and Innovation, and a guideline on Socialization of Scientific and Technological Research (STR) for Kenya and in India.
4. Commencement of new collaborative research programs including (i) a collaborative project on “*Building Trans-disciplinary Climate Change Adaptation Capacity at the University*



of Nigeria". The project is a joint initiative of the ATPS, University of Nigeria and the Open Society Foundations (OSF) designed to build and up-scale the capacity for research, teaching, learning and outreach services in climate change adaptation within the University of Nigeria, and (ii) a collaborative project on "*Bio-resources Innovation Policy Consortium for Eastern Africa (BIPCEA)*". The project is supported under the auspices of the Biore-sources Innovations Network for Eastern Africa Development (Bio-Innovate) Program. This is a newly established multidisciplinary competitive funding mechanism focusing on the applications of bio-resource innovations to support sustainable growth and transformation of the agricultural and environmental sub-sectors from primary production to value addition, while enhancing adaptability to climatic change and strengthening innovation policy.

5. Development of a web-hosted Integrated Collaborative Environment (ICE) for climate change adaptation and resilience capacity building in Africa (cf: [\[matechange.net\]\(http://www.atps-ice4cli-matechange.net\)\) The ICE platform serves as a knowledge brokerage tool to bring climate change information \(the science, the economics, existing and ongoing adaptation plans, etc.,\) to the desktops, laptops, tables and mobile phones of policymakers, science experts, private investors, and the general public. It hosts online knowledge repositories, adaptation and mitigation technology virtual market place, and interactive social networking tools to enhance effective knowledge circulation on climate change impacts, adaptation and mitigation practices, etc. When fully launched, it will include platforms for instant transmission of climate impacts photos taken by the public to be transmitted globally for speedy response actions by policymakers, science advisors and private sector actors looking for investment opportunities.](http://www.atps-ice4cli-</div><div data-bbox=)

6. Increased International Collaboration/Institutional Partnerships: During the year, the ATPS signed MoU with the United Nations Economic Commission for Africa (UNECA) to collaborate in the development and implementation of the Africa Climate Policy Cen-



tre's (ACPC) work program on (i) Technology Transfer, (ii) Knowledge, sharing and networking, (iii) Climate policy analyses and support to African governments, and other specific activities of mutual interest to both organizations that may be determined from time to time. The ATPS also strengthened partnerships with the President Woodrow Wilson Centre for International Scholars, USA under the auspices of its Southern Voices program. The ATPS also continued to play key roles in many international panels including the Intergovernmental Panel on Climate Change (IPCC) reports, the International Panel on Sustainable Development, etc.

7. Increased grants to national chapters resulting in improved capacities of the ATPS national chapters'. Overall twenty six (26) grants were issued to the chapters in order to support STI activities at the National level, launch new chapters and strengthen the weak chapters.
8. During the year, the ATPS also played key roles in the Africa Pavilion at the 17th Conference of Parties to the United Nations Framework Convention on Climate Change held in Durban, South Africa. ATPS participated in an exhibition for the African Pavilion serving as the meeting place for the member countries to receive advice on key STI related policy issues in the negotiations. The ATPS delegation to the African Pavilion also hosted a side event where key climate experts gave presentations to African governments and stakeholders to inform Africa's position at the COP on (i) Climate Finance; (ii) Low Carbon Development; and (iii) Technology Transfer, etc.
9. During the reporting period, the volume of publications has grown tremendously in the various publication categories at the ATPS. In all, we recorded a total of 55 publications comprising of 13 Working Papers, 13 Research Papers, 10 Policy Briefs, 3 Journal articles, 2 Newspaper articles/Newsletters, 1 Annual report, 3 Workshop/Conference Proceedings, 4 Book volumes, and 5 Media Outreach items

These achievements notwithstanding, the ongoing global financial crisis, increasing climate change impacts and the global shifts toward new development paradigms (inclusive green growth and climate resilient economies), provided great opportunities for the ATPS to help Africa countries shape their response strategies, policies and plans. However, the triple crisis also meant that funding made available to the ATPS by its consortium of Donors and development partners fell short of meeting the increased demands received by the ATPS from its stakeholders. Allow me to take this opportunity to appeal for your understanding and cooperation if we fell short of meeting your needs. It was mainly due to budget constraints.

I would like thank all our Donors and development partners who have supported the implementation of the ATPS Phase VI Strategic plan activities so far, especially during the year 2011. We could not have achieved the much we did had it not been for your support. We count on your continued support in the coming years as we seek to expand our programs to address the multiple needs of the continent in 2012 and beyond.

Finally, I want to express my deepest appreciation to the ATPS Board, the ATPS Regional Council, the International STI Advisory Committee, ATPS Secretariat staff, National Coordinators, and the network membership and all our dear stakeholders for the unwavering support and strategic guidance received during the year. We look forward to receiving your continued support and cooperation in 2012 and beyond.

We, the ATPS Secretariat Management, firmly believe that with your continued support and collaboration, we will be able to build on the gains made so far until our collective goal is achieved. We believe that the renewed optimism in Africa's continued growth record in the past decade can only be sustained if endogenous capacity in STI is mainstreamed as the engine of growth in Africa. Together, we can make this happen.

God bless you. God bless ATPS. God bless Africa.

Professor Kevin Chika Urama
Executive Director, ATPS

Reflection on the 2011 Annual Conference and Workshop

Science, Technology and Innovations
for African Development

Reflection on the 2011 Annual Conference and Workshop



Delegates at the ATPS 2011 Annual Conference in Mombasa, Kenya

The 2011 ATPS Annual Conference and Workshops were held from 07 – 10 November 2011 in Mombasa, Kenya. The theme of the workshop was ***Strengthening Linkages between Policy Research and Policymaking for African Development***. The international conference aimed to strengthen the gains from an initial consultative workshop on strengthening linkages between policy research and policymaking for African development held in Mombasa, Kenya in February 2011.

The outcomes from this workshop informed the consultative group on the way forward and the need to engage a wider stakeholder group for making better impacts on strategies for strengthening linkages between research, policy and practice for African development.

The overall purpose of the conference was to engage relevant stakeholders to address the gap between research, policy and practice with a view to designing a proactive way forward for bridging this gap for African development.

Papers from a range of stakeholders who registered for the conference and heeded the conference concept

note which called for abstracts addressed the following conference sub-themes:

- i) Conceptualizing research, policy and practice for sustainable African development
- ii) Youth and Gender empowerment
- iii) Mechanisms and Approaches for effective linkages amongst researchers, policymakers and practitioners access and benefit sharing.
- iv) The role of capacity development
- v) Research uptake, communication, advocacy and brokerage
- vi) Challenges and Opportunities for effective linkages between research, policy and practice

The conference attracted the participation of 155 participants from 25 countries globally including policy makers, researchers, civil society and private sector actors.

The first two days of the workshop were devoted to plenary sessions where invited keynote speakers shared



A cross section of participants during the ATPS 2011 Annual Conference in Mombasa, Kenya held under the theme Strengthening Linkages between Policy Research and Policymaking for African Development

their perspectives on the gaps, challenges and opportunities surrounding the theme of the conference. This paved way for the parallel plenary sessions addressing each of the conference subthemes.

The conference provided a perfect forum for the delegates to discuss on improved linkages amongst researchers, policymakers and practitioners in Africa.

Participants also discussed on the need for improved utilization of home-grown research evidence for policymaking and practice as well as the establishment of a trans-disciplinary consortium/network of like-minded institutions that will promote effective linkages amongst researchers, policymakers and practitioners in Africa.

Research, Capacity Building and Knowledge Generation



Science, Technology and Innovations
for African Development

Research, Capacity Building and Knowledge Generation



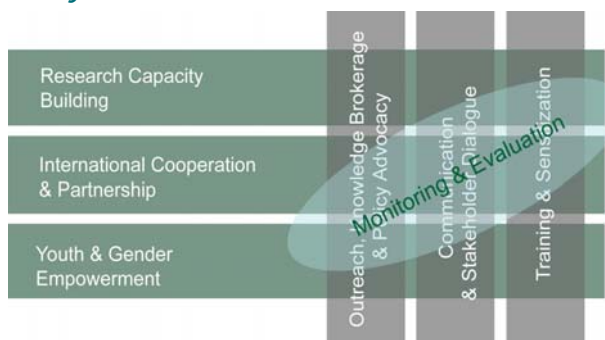
ATPS stakeholders join the local community in the re-afforestation of a depleted Mangrove forest in Mombasa, Kenya

All ATPS thematic research and research capacity building programs focus on facilitating innovation capacity development at individual, institutional, country and regional levels. Each research program is therefore expected to include the “make” or “design” perspective, i.e. translation of the research outputs into “institutional” and/or “social engineering” designs, and/or cost effective “technical designs/technologies” that are necessary to the specific development and/or policy gaps addressed. To enhance the process, each research team is expected to include (or proactively engage) trans-disciplinary science experts; relevant policymakers and practitioners at all stages of the project cycle: from conception to implementation and dissemination of results. The scientific quality; added value and innovation content; and societal and policy relevance of activities are regarded of equal importance in all ATPS activities.

Regional Research Projects

Agricultural Innovations Program

The ATPS Agricultural Innovations Program is aimed at contributing to the achievement of the UN Millennium Development Goal number One (MDG 1) which calls



ATPS Research Priorities

for the eradication of extreme poverty and hunger and halving hunger and poverty by 2015 in relation to 1990.

To realize this, Africa must build its institutional capacities in Agricultural science, technology and innovation. A fundamental analysis of the underpinning national and regional strategies, policies, institutions and actors in the agricultural and allied sectors as well as the inter-linkages amongst them is required to form the basis for responsible innovation responses to the complex challenges in the agricultural systems for development. This forms the main focus of the ATPS Agricultural Innovations Program.



An update on specific activities under this program is provided below.

Implementation of three regional studies on Agricultural Innovations and Emerging Technologies for Climate Change Adaptation and Food Security in Africa

This objective aims to support research and research capacity building on agricultural innovations for climate change adaptation and food security in Africa. Under this program, the ATPS conducted regional research on agricultural innovations for climate change adaptation in Africa. The regional research was conducted in West Africa Anglophone (Nigeria, Ghana, Sierra Leone, Liberia, The Gambia), Central African Francophone (Cameroon, Equatorial Guinea and Central African Republic (CAR).

The specific objectives outlined in the Call for Proposals were six-fold, namely:

- i. To mainstream the concept of innovation in African agriculture through targeted training and field demonstrations in selected countries,
- ii. To identify and document indigenous and emerging innovations and good practices for improving food security in the face of climate change in Africa and elsewhere,
- iii. To develop a system based integrated innovation systems framework for improving agricultural productivity in Africa taking into consider-

ation climate change and global financial crisis.

- iv. To build the capacities of African Young Professionals, Women and Policymakers on agricultural innovation systems through an integrated capacity building training programs including hands-on case studies, farm placements and country tours to show case and learn from good practices elsewhere.
- v. To enhance individual and institutional behavioral changes towards sustainable farming and other agri-businesses innovations in Africa.
- vi. To support the implementation of the NEPAD CAADP program through popularization and policy advocacy.

The Call for Proposals targeted under this objective was posted on the ATPS website and circulated to all ATPS national chapters and in 29 countries inviting applications from all members of the ATPS Network. A total of fifteen (15) proposals were received from Burkina Faso, Cameroon, Ghana and Nigeria. The proposals were subjected to intensive peer and expert review culminating in the commissioning of three (3) regional grants targeting the Western and Central African region. The first regional grant for US\$50,000 covered Nigeria, Liberia and Sierra Leone while the second grant amounting to US\$40,000 covered Ghana and the Gambia. These grants were commissioned as scheduled in 2009. The third regional grant for US\$40,000 covered Cameroon, Central African Republic and Equatorial Guinea and was commissioned in 2010.

Table 1 below presents a summary of the progress of studies commissioned under the Agricultural Innovations programme

S/N	PRINCIPAL RESEARCHER	TITLE OF RESEARCH	COUNTRIES COVERED	STATUS
	Principal Researcher Agwu Agwu Ekwe Co-Researchers Mr. Festus Amadu (Sierra Leone) Mr. Mustapha Sawi (Liberia)	Agricultural Innovations for Climate Change Adaptation and Food Security in West Africa: The Case of Nigeria, Ghana and Sierra Leone	Nigeria, Liberia & Sierra Leone	Research Completed Working Paper No. 61 http://www.atpsnet.org/Files/wps61.pdf Research paper No. 12 http://www.atpsnet.org/Files/rps12.pdf Policy Brief No. 29 http://www.atpsnet.org/Files/pb29.pdf



S/N	PRINCIPAL RESEARCHER	TITLE OF RESEARCH	COUNTRIES COVERED	STATUS
	<p><u>Principal Researcher</u></p> <p>Akon -Yamga Gordon</p> <p><u>Co-Researchers</u></p> <p>Paul Boadu (Ghana)</p> <p>Joyce Amoako (Ghana)</p> <p>Beatrice Darko Obiri (Ghana)</p> <p>Fatou Janha Mboob (The Gambia)</p>	<p>Agricultural Innovations for Climate Change Adaptation and Food Security in Africa: The Ghanaian Perspective</p>	<p>Ghana & The Gambia</p>	<p>Research Completed</p> <p>Working Paper No. 59</p> <p>http://www.atpsnet.org/Files/wps59.pdf</p> <p>Research Paper No. 11</p> <p>http://www.atpsnet.org/Files/rps11.pdf</p> <p>Policy Brief in press</p>
	<p><u>Principal Researcher</u></p> <p>Ngoh Siri Bella</p> <p><u>Co-Researchers</u></p> <p>Mafany George Teke</p> <p>Sylvester Ndeso Atanga</p>	<p>Agricultural Innovations and Indigenous Knowledge as Keys to Ensuring Food Security in the South West Region of Cameroon</p>	<p>Cameroon, Equatorial Guinea & Central African Republic</p>	<p>Research Paper No. 13 Published</p> <p>http://www.atpsnet.org/Files/rps13.pdf</p> <p>Working Paper and Policy Brief in press</p>

Table 1: Regional grants commissioned under Agricultural innovations for climate change adaptation for food security in Africa (CP0309)

Small Grants National Case Studies on Indigenous and Emerging Agriculture Innovations for Resilience

This activity aimed to support case studies on indigenous and emerging agricultural technologies and inno-

ventions for climate proofing agriculture in Africa under the auspices of the ATPS small grants research program. A series of country case studies were planned to map and document indigenous and emerging agricultural technologies and innovations for climate proofing agriculture in Africa.



The specific objectives of the research activities under this call were three-fold, namely:

- i) To identify and document effective indigenous and emerging technologies and innovations for climate change adaptation and resilience in Africa;
- ii) To build the capacities of African Young Professionals and Women to adapt to climate change impacts in their communities, localities and countries; and
- iii) To enhance behavioral changes towards climate change adaptation measures at individual and institutional levels.

Following the Call for Proposals under this objective, a total of 22 proposals were received from nine (9) African countries namely Egypt, Ghana, Kenya, Lesotho, Malawi, Nigeria, Sierra Leone, Tanzania and Uganda. The proposals were subjected to thorough peer and expert review which led to the commissioning of eleven (11) small grants under this program with a budget of US\$13,500 each. The grants were commissioned in six (6) countries namely Egypt, Ghana, Lesotho, Malawi, Nigeria, Sierra Leone, and Tanzania.

The status of the research carried out under this initiative is summarized in Table 2 below.

S/N	RESEARCHERS	TITLE OF PROPOSAL	COUNTRY	STATUS
1.	1.Kaletapwa Farauta 2.Yusuf Lawan Idrisa 3. Victoria Chinwe Agu	Assessment of the incidence of Climate Change and Indigenous Innovative Adaptation Measures in Northern Nigeria	Nigeria	Research Completed Working Paper No. 62 http://www.atpsnet.org/Files/wps62.pdf Research Paper No. 15 http://www.atpsnet.org/Files/rps15.pdf
2.	1.Mekbib, S.B 2.Olaleye, A.O 3.Mokhothu, M.N. 4.Masia J.	Assessment of the Impact and Adaptive Capacity of the Machobane Farming System to Climate Change in Lesotho	Lesotho	Research Completed Working Paper No.51 http://www.atpsnet.org/Files/wps60.pdf
3.	Shemdoe Riziki	Tracking Effective Indigenous Adaptation Strategies on Impacts of Climate Variability on Food Security and Health of Subsistence Farmers in Tanzania	Tanzania	Research Completed and Published Working Paper No.51 http://www.atpsnet.org/Files/wps51.pdf Research Paper No.4 http://www.atpsnet.org/Files/rps4.pdf Policy Brief No. 31 http://www.atpsnet.org/Files/pb31.pdf Newspaper Article: http://dailynews.co.tz/home/?n=18320&cat=home



S/N	RESEARCHERS	TITLE OF PROPOSAL	COUNTRY	STATUS
4.	1.Nzeadibe Chidi 2.Nnaemeka Chukwuone 3.Victoria Chinwe Agu 4.Nassi H. Mandu	Climate Change Awareness and Indigenous Adaptive Technologies in the Niger Delta Region of Nigeria	Nigeria	Research Completed and Published Working Paper No. 57 http://www.atpsnet.org/Files/wps57.pdf Research Paper No.7 http://www.atpsnet.org/Files/rps7.pdf Policy Brief No.28 http://www.atpsnet.org/Files/pb28.pdf
5.	1.Adebayo Dr. K 2. S.O Iposu 3. J.J. Atungwu 4. F.O.A George 5 Temitope Ayinde 6. A.O.S Ayanwale 7. O.S. Fashola 8. T.A Dauda 9. S.L Rikko	Emerging and Indigenous Technology for Climatic Change Adaptation in the Farming Systems of Southwest Nigeria	Nigeria	Research Completed and Published Working Paper No.56: http://www.atpsnet.org/Files/wps56.pdf Research Paper No.10: http://www.atpsnet.org/Files/rps10.pdf Policy Brief No. 27: http://www.atpsnet.org/Files/pb27.pdf Newspaper Article: http://www.kamberaga.eu/agriculture/exploring_job_opportunities_in_e-agric.html
6.	1.Mahu Seth Agbeve 2.Vadim Belotserkovsky	Wind Resource Assessment for Sustainable Development in Rural Ghana- A Science, Technology, and Innovation Research Capacity Building Initiative	Ghana	Research Completed Working Paper No. 55 http://www.atpsnet.org/Files/wps55.pdf Research Paper No.10 http://www.atpsnet.org/Files/rps10.pdf Policy Brief in press
7.	1.Enete Anselm 2. Ignatius Madu 3. E.A Onwubuya 4. A.N Onyekuru 5. Mojekwu Josephat 6. Staff Sgt (rtd) Fidelis Eze	An Assessment of Indigenous Climate Change Adaptation Practices in Smallholder- Agriculture of Southeast Nigeria	Nigeria	Research Completed and Published Working Paper No.53 http://www.atpsnet.org/Files/wps53.pdf Research Paper No.6 http://www.atpsnet.org/Files/rps6.pdf Policy Brief No.25 http://www.atpsnet.org/Files/pb25.pdf



S/N	RESEARCHERS	TITLE OF PROPOSAL	COUNTRY	STATUS
8.	1. Emeka Celestine Peter Nzeh 2. Rita Ogugua	Study of Technological and Farming Systems Adaptation to Climate Change in Farming Communities of Enugu State , Nigeria	Nigeria	Research Completed and Published Working Paper No. 52. http://www.atpsnet.org/Files/wps52.pdf Research Paper No.5 http://www.atpsnet.org/Files/rps5.pdf Policy Brief No.24 http://www.atpsnet.org/Files/pb24.pdf Newspaper Article http://www.compassnewspaper.com/index.php?option=com_content&view=article&id=2877:-experts-challenge-scientists-on-climate-change&catid=37:general-news&Itemid=607
9.	1.Morlai Teddy 2.Kelleh G. Mansaray 3.Gibril Vandj	Knowledge based Integrated Mapping of Climate Change Adaptations: Indigenous Responses, Techno-Scientific Observations and Future Outlook for Food Security, Health and Disaster Management in Sierra Leone.	Sierra Leone	Research Completed and Published Working Paper No. 54 http://www.atpsnet.org/Files/wps54.pdf Research Paper No.8 http://www.atpsnet.org/Files/rps8.pdf Policy Brief No. 26 http://www.atpsnet.org/Files/pb26.pdf Newspaper Article http://allafrica.com/stories/201103220827.html
10.	1.Samra Manal 2.Ahmed Abdel Hamid	Sensitizing and Building the Capacity of Women towards Climate Change Consequences in Northern Lakes of Egypt	Egypt	Research completed Policy Brief No. 26 http://www.atpsnet.org/Files/pb33.pdf
11.	1.Magombo Tennyson 2.Mutisungirire Kachulu 3.George Kanthiti 4.Hilda Kabuli 5.Grace Chawezi Phiri	Enabling Rural Innovation for Climate Change Adaptation and Livelihood Security	Malawi	Research Completed Research Paper No. http://www.atpsnet.org/Files/rps14.pdf

Table 2: Emerging and indigenous technologies for climate change adaptation in Africa (CP0109)



Development of the structure for a web-based platform for the Interactive Collaborative Environment (ICE)

During the reporting year, ATPS embarked on an initiative that aims at designing and implementing a web-hosted Integrated Collaborative Environment (ICE) for climate change adaptation and resilience capacity building in Africa. The ICE is web-hosted and functions as a climate market place where stakeholders can ask questions and receive leading answers and directions of core experts to be contacted for further advice and/or available relevant resources. The ICE addresses the need of strengthening the climate resilience by providing quadruple helix stakeholders with an integrated collaborative environment where easy access to better structured and interconnected knowledge and intelligence tools can enhance capacities to understand, harmonize and cooperate in the efforts to build climate resilience in Africa and elsewhere.

Generally the ICE furnishes all latest Web 2.0 development, including web-wikis, blogs, forums, file sharing, and secure threaded discussions. Participation in the ICE can be in real time or off-line, with a dedicated module that allows for interaction of geristered members both between individuals and in groups, which allows for knowledge and file sharing as well as discussions on various topics related to climate change (<http://atps-ice4climatechange.net/myice/>). The ICE also has a wiki to allow the members engage in extensive discussions that will be moderated for the purposes of checking the accuracy of the information being shared on the platrform regarding climate change(<http://atps-ice4climatechange.net/wiki/index.php?title=Welcome>).

The ATPS is in the final stages of operationalizing the ICE platform, with the sections described above already operational.

The development of the remaining modules is currently ongoing. The finished modules of the ICE can be accessed at <http://atps-ice4climatechange.net>.

Strengthening National IP Policy and legal framework in Eastern and Southern Africa: Traditional Knowledge (TK) Access and Benefit Sharing (ABS) and Effective IP Systems

In implementing the thematic program on: "Strengthening National IP Policy and legal framework in Eastern and Southern Africa: Traditional Knowledge (TK) Access and Benefit Sharing (ABS) and Effective IP Systems, ATPS focused on the activities below during the reporting period.

Support the implementation of one ongoing regional study on Traditional knowledge systems and increasing access to benefit sharing and Intellectual Property (IP) in Africa, targeting Eastern Africa and the SADC countries commissioned in 2010

Strengthening the Regional Steering Committee (RSC)

The Regional Steering Committee (RSC) was created to oversee the IP program implementation at the regional scale. Twelve renowned IP Experts from relevant institutions were identified and invited to serve on the Regional Steering Committee (RSC) to spearhead the effective running of the regional network on IP. Eleven (11) experts, representing key institutions were recruited into the RSC for the IP program. The partici-



Figure 1: A snapshot of the homepage of the ICE



pation of some of the senior officials from these institutions have been hampered by conflicting schedules while in some cases, the contact persons/members have changed jobs and moved to other organizations. These changes have made it necessary to replace the said officials. Some of the RSC members convened in Mombasa, Kenya during the 2011 ATPS Annual Conference and Workshop where they interacted with other IP team members.

Strengthening the National Steering Committees (NSC)

To ensure proactive engagement of the National Chapters in the coordination of the IP program, the ATPS liaised with the National Chapter Coordinators to establish 5-person IP national steering committees (NSCs) in Ethiopia, Kenya, Lesotho, Malawi, Swaziland, Uganda, Tanzania and Zimbabwe. The NSCs in most of the countries are progressing quite well while a few challenges have been reported in some of the countries. The Secretariat in consultation with the respective national chapters and NSC chairpersons has recommended a review of the team composition to ensure they meet the threshold diversity and attend the meetings as required. The process of strengthening the NSCs kicked off in Lesotho, Malawi and Swaziland. The remaining five countries have reported good progress and have sent in their reports regularly.

Visits to National Chapters

The IP coordinators are required to visit the countries implementing the IP program at least once every year. These visits are intended to raise the profile of the program in the country by meeting and sensitizing the relevant stakeholders and government officials besides providing technical support to the grantees/researchers as well as the national steering committees. During the reporting period, chapter visits were implemented in Kenya, Lesotho and Zimbabwe.

The NSC members in Swaziland and Tanzania attended an IP workshop that took place in November 2011 where the schedules of chapter visits in the two countries were discussed.

Create a Regional IP Network

With the IP studies drawing nearer to completion and publishing, the ATPS intends to populate the pages reserved for the IP program under the ATPS website and use it as a platform for sharing experiences and lessons from across the region. This activity is dependent on the implementation of other activities within the programme and it is expected that the website can be populated within this year, 2012. The RSC, NSC and the IP research team are all currently functioning as a network that meets annually during the ATPS annual conference and workshops.

Finalize the publications of outputs from the IP studies including working papers, research papers and policy briefs

Following the conclusion of the country case studies in Ethiopia, Lesotho, Kenya and Tanzania, outputs have undergone peer review and are now in press. We expect to disseminate these outputs widely when published.

Progress and Status of the six (6) National Case Studies on Traditional Knowledge Systems in increasing Access to Benefit Sharing of Intellectual property (IP) in Africa, targeting Eastern Africa and the SADC countries.

Six case studies under the IP program were commissioned in Malawi, Ethiopia, Kenya, Lesotho, Tanzania and Uganda. Ethiopia, Kenya, Lesotho and Tanzania have completed their studies and submitted their papers and policy briefs which have been shared with external reviewers for review. The Uganda study is on course but the project delayed slightly due to research clearance and regulatory approvals. Both Lesotho and Malawi are nearing completion but have been delayed because the Principal investigators have changed jobs and the co-investigators are taking over the responsibilities for the projects. The transitions have occasioned delays but the Secretariat has got assurances that these projects will be completed in the next three months. The case study in Zimbabwe will be commissioned in 2012 while discussions are still underway with the Malawi and Swaziland teams to inform the way forward on their studies.



Table below gives a summary of the status of these projects

S/N	Principal re-searcher	Co-researchers	Title of research	Country	Status
	Ndetei Prof. D.M	1. Anne Mwayo 2. Victoria Mutiso 3. Lincoln Khasakhala	Traditional Medicine: Mental Health and Behavioural Practices	Kenya	Completed; Working Paper, Research Paper and policy brief in Press
	Phiri Dorica Suvye	Chapusa Domino Phiri	Ascertaining the Nature of Traditional Knowledge and Traditional Cultural Expressions and the Search for Legal Options in Regulating Access in Malawi.	Malawi	Project implementation stalled due to changes in PI;
	Shemdoe Georges	Loy Mhando	National Policies and Legal Frameworks Governing Traditional Knowledge and Effective Intellectual Property Systems in Southern and Eastern Africa: The Case of Traditional Healers in Tanzania	Tanzania	Completed; Working Paper, Research Paper and policy brief in Press
	Solomon Tibebe	Wondwossen Belete Getahun Dechasa Angecha Habtamu Gujabay	Assessment of Possible Intellectual Property Protection Options of Traditional Knowledge System in Ethiopia	Ethiopia	Completed; Working Paper, Research Paper and policy brief in Press
	Pitso Masupha	Lebese Lekholoane Thlako Mokhorro Maseqobela Williams lieketseng Tjokotsi Sekoja Phakisi Lefa Thamae Mamolise Falatsa	The Impact of Intellectual Property Rights and Multi-Media on Acquiring and Managing Traditional Knowledge Systems	Lesotho	Completed; Working Paper, Research Paper and policy brief in Press
	Job Wanakwakwa	Munabi, Catherine Lwanga, Herbert: Dr. Muhumuza, Denis	Empowering Traditional Herbalists in Uganda to benefit-share better from their knowledge and skills in collaboration with other Researchers and Innovators in the Government, Civil and Business sectors	Uganda	Expected to conclude within the 2 nd quarter of 2012

Table 3: Traditional Knowledge Systems & Increasing Access to Benefit Sharing of Intellectual Property in Africa (CP0209) – Small Grants



Small Research Grants

Commission new Small Grant Case Studies on Health Innovations Program

Based on the experiences and lessons from the health program commissioned under the ATPS Phase V strategic plan (2004 – 2007), ATPS has continued its focus on health in its current Phase VI strategy (2008 – 2012). A program is currently under development on “*strengthening science, technology and innovation systems for improved health care delivery in Africa*”. While building on its predecessor in Phase V, this new program is unique in its recognition of the need for a more holistic/systemic approach to strengthening healthcare delivery systems. This program recognizes that strengthening health systems must be aligned to the complex developmental issues that are affected by (and in turn affect) health. While continuing to generate and collate policy-relevant research on healthcare delivery and management, the program will have special emphasis on (i) strengthening the linkages, interactions and joint learning amongst the different actors in the healthcare sector and (ii) spearheading uptake and utilization of policy research outputs by the policymakers

In tune with the above, the program’s main objectives will include:

- (i) Conducting well targeted and policy-relevant research; including analysis, synthesis and reviews of existing literature. This research will be targeted at improving the policies and institutions that influence healthcare delivery
- (ii) Building human and institutional capabilities to raise awareness, knowledge and skills of stakehold-

ers in order to integrate health care technology issues into national development plans

- (iii) Improving uptake and use of policy research in policy making by supporting continuous engagement between the researchers and policymakers and other relevant stakeholders in the health sector
- (iv) Disseminating the findings to deepen the understanding of health care technologies and their linkages to access and effectiveness of health care systems.

The draft concept note for the program is currently under review. The ATPS Secretariat Management plans to commission a Book Volume on the subject to ensure that the outcomes of the program are published.

International Collaborative Research

Continued collaboration with SET-DEV partners to draft an African Manifesto for STI and a handbook on STI in Kenya

The period saw the successful completion of the European Framework 7 funded INCO program on: “*Science Ethics and Technological Responsibility in Developing and Emerging Countries*” (SET-DEV). The program resulted in key outputs, namely, two manifestos - an African and an Indian manifesto for Science, Technology and Innovation, and a guideline on Socialization of Scientific and Technological Research (STR) for Kenya and in India. The outputs were all products of multi-lateral dialogue between the SETDEV partners in Africa, Europe and India, and key stakeholders in Africa, Europe and India. The ATPS leveraged the SETDEV program efforts to produce a manifesto for STI in Africa.

Three final workshops were held in India, Kenya and Belgium in March, April and May 2011 respectively to



Participants who attended the final meeting of the SETDEV program during the presentation of the African Manifesto for Science, Technology and Innovation



popularize the key outputs from the program. ATPS took the lead role in organizing a parliamentary breakfast meeting held in Kenya on 29 April 2011, targeting the quadruple helix, organized in collaboration with the National Council for Science and Technology (NCST). The meeting was attended by 60 delegates from 26 countries in Africa, Asia, Europe and the USA.

Strategic Impact: The ATPS leadership in the development of the African Manifesto for Science, Technology and Innovation, and a Guideline on Socialization of Scientific and Technological Research (STR) for Kenya, has helped to raise the STI profile amongst the STI policy communities in three continents: Africa, Asia, and Europe. The interactions with the EU Commissioners and Minister's in Brussels during the launch of the Manifestoes, and in other African countries is seen as a welcome strategy to increase networks with potential Donors and increase STI visibility among key decision makers. We have since seen increased requests for the ATPS to play key roles in research proposals being developed by EU institutions and greater networking amongst national chapter members and partners in Europe and India.

The African Manifesto for STI and the guidelines for Socialization of STI have also received wide coverage in various media including newspapers, radio and TV. Interest and commitments to implement its recommendations have also been wide reaching on the continent. Global STI institutions such as UNESCO have welcomed the African manifesto and we are in discussion with them on strategies to implement the recommendations of the manifesto, including the publication of the state of STI in Africa report. We are also currently working with the STEPS Centre, UK on new funding opportunities to implement the Manifesto.

Collaboration with University of Nigeria (UNN) to build and up-scale the capacity for research, teaching, learning and outreach services in climate change adaptation within the UNN

ATPS has embarked on a collaborative project on *"Building Trans-disciplinary Climate Change Adaptation Capacity at the University of Nigeria"*. The project is a joint initiative of the ATPS, University of Nigeria and the Open Society Foundations (OSF). The overall purpose of this initiative is to build and up-scale the capacity for research, teaching, learning and outreach services in climate change adaptation within the University of Nigeria.

This capacity building initiative will document existing climate change technologies, and climate change adaptation (CCA) teaching, research and outreach activities at the University of Nigeria, and build a trans-

disciplinary curriculum to mainstream CCA in University teaching and learning in Nigeria. It is expected that the project will also develop and garner the support of policy makers to support the curriculum review, teaching, research and outreach on Climate Change Adaptation (CCA) in all Nigerian universities. As partner in the program, the ATPS is receiving support to further develop its integrated Collaborative Environment for Climate Change Adaptation in Africa.

Strategic Impact: This program provides an avenue for the ATPS to address a core objective of its Phase VI Strategic plan on curriculum review. It also affords the ATPS a in road to a new donor, OSF with whom discussions are now ongoing for potential core funding to support the ATPS Phase VI Strategic plan activities. Through the program, the ATPS is now working with Five (5) Universities in three regions of the continent on trans-disciplinary curriculum review, hence increasing ATPS' visibility and opportunities for new members from these institutions.

Nanotechnologies for Development in India, Kenya and the Netherlands: Towards a Framework for Democratic Governance of Risks in Developing Countries

The ATPS is collaborating with Maastricht University and the University of Hyderabad, India on a program: *Nanotechnologies for Development in India, Kenya and the Netherlands: Towards a Framework for Democratic Governance of Risks in Developing Countries*. The ATPS' role in the project involves the establishment and hosting of the NANO-DEV website to enhance its role as a knowledge broker in the emerging field, conduct a case study on governance of nanotechnologies in Kenya, and assist the PhD Students and a Post-Doctoral Fellow who are registered on the program at Maastricht University whenever they are in Kenya for their research, when necessary. The students were selected by Maastricht University following its own rules and procedures and are originally planned to be based in the University of Nairobi for their research while they are in Kenya.

As part of the project implementation, a workshop on ***Nanotechnologies for development: interactions between researchers, stakeholders and policy makers*** were held in Nairobi, Kenya, on 12-13 December 2011.

In the workshop the project team presented comparative insights from India and the Netherlands to stimulate the discussions on an African and Kenyan approach to these questions. Participation in the workshop was by invitation only with attendance from experts in nanotechnologies, nanoscience and related newly emerging science and technologies from a variety of Kenyan institutions: universities, non-university research institutions, government agencies, stakeholder organizations.



Prof. Wiebe Bijker of Maastricht University opens a workshop on Nanotechnology for Kenya's Development in Nairobi, Kenya

The project is led by Prof. Wiebe Bijker, University of Maastricht, The Netherlands, with the University of Hyderabad, India; and the ATPS as partners.

Collaborate with University College London (UCL), Zoological Society of London (ZSL), International Livestock Research Institute (ILRI) on a Biodiversity, Ecosystem Services, Social Sustainability and Tipping Points in African Drylands project (BEST)

This program is underway and ATPS participated in the interview process for a Post-Doctoral Research Officer to take the program forward. A start up workshop was also held in May 2011 where partner institutions discussed the process of refining the concept and research questions. The partners also discussed the possibility of having a stakeholder engagement workshop with some of the relevant policymakers/ practitioners scheduled for the third quarter of 2011. The Post-Doctoral Fellow is based at the University College London but will liaise with ILRI and ATPS while in Kenya for the coordination of the research project.

As part of the project implementation, a workshop will be held at the ILRI Complex in Nairobi Kenya on 14 February 2012. The Aim of workshop is to engage stakeholders and at all levels including grassroots users through to national and international policymaker/practitioners; SME and entrepreneurs; and scientists working on related issues.

Strategic Impact: Through these programs, the ATPS Secretariat Management aims to strengthen ATPS' part-

nerships with leading institutions in the relevant fields of research. Through these programs, funds are also leveraged to support staffing costs of the ATPS while at the same time producing relevant research outputs to feed into the outcomes of the ATPS Phase VI Strategic Plan (Program B on International Collaboration and Institutional Partnerships). The BEST program launched a website to disseminate information on the outputs of the project which can be accessed at

Other partnerships and initiatives with the quadruple helix (relevant STI institutions in Africa through development of memorandum of understandings, joint activities, etc)

MoU between ATPS and UNECA

ATPS entered into an MoU with the United Nations Economic Commission for Africa (ECA) to collaborate in the development and implementation of the Africa Climate Policy Centre's (ACPC) work program on (i) Technology Transfer, (ii) Knowledge, sharing and networking, (iii) Climate policy analyses and support to African governments, and other specific activities of mutual interest to both organizations that may be determined from time to time. UNECA is mandated to support economic development of its Member States, and promote international cooperation for Africa's development and is also responsible for promoting social development, gender equality and the advancement of women. The African Climate Policy Centre (ACPC) was established in 2010 to serve as the knowledge-management and policy-facilitation arm of the Climate for Development (ClimDev) Africa Program.

Strategic Impact: The MoU provides great opportunities for the ATPS Climate Sense Program (CSP) activities



to directly feed into African Union Commission's policy priorities and also more directly to the African countries climate policies and strategies.

Collaborative Project on Bio-resources Innovation Policy Consortium for Eastern Africa (BIPCEA)

ATPS has embarked on a collaborative project on "*Bio-resources Innovation Policy Consortium for Eastern Africa (BIPCEA)*". The project is supported under the auspices of the Bioresources Innovations Network for Eastern Africa Development (Bio-Innovate) Program. This is a newly established multidisciplinary competitive funding mechanism whose niche is characterized by a focus on the applications of bio-resource innovations to support sustainable growth and transformation of the agricultural and environmental sub-sectors from primary production to value addition, while enhancing adaptability to climatic change and strengthening innovation policy.

The Bio-Innovate Program is based at the International Livestock Centre (ILRI) and funded by the Swedish International Development Cooperation Agency (SIDA) over the 5 year period (2010-2014). The program receives strategic direction from Technical Committee (TAC) of which the ATPS Executive Director, Dr. Kevin Urama is a member. Other partners involved in the project include the Kenya National Council of Science and Technology (KNCTST); Uganda National Council for Science and Technology (UNCST); Tanzania Commission for Science and Technology (COSTECH); Directorate of Science, Technology and Research, Rwanda (DSTR); International Service for the Acquisition of Agri-Biotech Applications (ISAAA); and the Stockholm Environment Institute (SEI). All the partners were hosted by the UNCST for

the inaugural meeting for the project on 29 September 2011 in Kampala, Uganda. At the meeting, all partners discussed their specific roles and timelines were agreed on the delivery of some of the start-up activities.

Strategic Impact: The role of ATPS under the BIPCEA project is to provide support on policy review national science, technology and innovation policies in Eastern Africa to establish the extent to which they promote bioscience innovations. ATPS will also leverage on its network to facilitate the convening of two high-level regional conferences on bioscience innovations and policies in Eastern Africa.

Collaborative project on Transdisciplinary Training for Resource Efficiency and Climate Change Adaptation in Africa (TRECCAfrica) proposal for the Intra-ACP Academic Mobility Scheme

ATPS has partnered with the South African based Stellenbosch University agrees to undertake a project dubbed **TRECCAfrica** under the Intra-ACP Academic Mobility Scheme Lot 1-Africa (EACEA/35/10).

As an associate partner, ATPS role in the project is to enhance the policy skills of the TRECCAfrican students and staff members and to raise awareness of the programme among our numerous stakeholders including policy makers, researchers, private sector actors, civil society groups and the media in Africa and the Diaspora. ATPS will also offer modules on policy translation of research results and policy advocacy skills during the proposed TRECCAfrica Transdisciplinary Summer Schools as well as through an internship programme for selected TRECCAfrican students.



Mr. Sylvance Sange of Kenya Industrial Property Institute trains participants on IP during the Entrepreneurship Training Workshop for Scientists under the BIPCEA program



In addition, ATPS will also assist in organizing workshops that will bring relevant stakeholders together to foster networking and collaboration opportunities among partners in the academic mobility scheme and other stakeholders in Africa and the Diaspora. The ATPS will also offer to the consortium its Interactive Collaborative Environment (ICE) platform for climate change adaptation and mitigation in Africa to enhance collaboration and coordination amongst the participating staff and students.

Strategic Impact: This project is of strategic importance to the ATPS as it will enhance its continuing efforts to build a strong African network of academics and students to tackle the twin challenge of climate change and resource depletion facing the African continent. Other institutions involved in the project include Mekelle University, Ethiopia; University of Ghana; University of Nairobi; University of Dar Es Salaam; and the University of Nigeria.

The ATPS participated in an exhibition for the African Pavilion in the 17th Conference of Parties to the United Nations Framework Convention on Climate Change and the 7th Conference of Parties serving as the Meeting of the Parties to its Kyoto Protocol (COP 17/CMP 7).

The ATPS delegation to the African Pavilion under the stewardship of the ATPS Executive Director organized a side event where they made presentations touching on Africa's position at the COP on (i) Climate Finance; (ii) Low Carbon Development; and (iii) Technology Transfer. The ATPS Exhibition stand attracted numerous guests who expressed an interest to learn more about the network and become affiliated in one way or another. The forum was also used as an opportunity to disseminate ATPS publications.

Strategic Impact: It is envisaged that the inclusion of ATPS in the African Pavilion sets the pace for the formal accreditation of the ATPS as a UN Observer in the Negotiation Table in charge of technology transfer and innovations for CC adaptation and mitigation of GHGs. The ATPS is also making progress on the other UN Panels including the *International Resource Panel* for which the ATPS Executive Director chairs the Water Working Group; and the UNESCO Global Observatory on STI which will produce the Paris Protocol for STI. The ATPS will continue to pursue these developments earnestly.

Towards a Global Observatory of Policy Instruments on Science, Technology and Innovation (GO-SPIN) UNESCO, Paris, 19-20 October 2011

The ATPS Executive Director attended the GO SPIN workshop from 19 – 20 October 2011 which was organized by the UNESCO Headquarters in Paris, France. The

Workshop focussed on the elaboration of a methodology for the systematization, assessment and standardization of the information concerning STI policy instruments around the world. Several decision-makers and experts from the governments, academia, multinational companies that perform R&D activities, as well representatives from other similar initiatives participated in this high level international meeting. The Executive Director attended the meeting as a speaker within the roundtable on **Monitoring Policy Instruments on Science, Technology and Innovation around the World: The Role of ATPS**. The presentation was well received by the invited delegates who shared a common sentiment that the ATPS was a vital link to UNESCO and other global bodies to provide the relevant STI policy expertise owing to its strategic advantage. One of the key outcomes of this meeting was the creation of an international committee to work towards gathering input to feed into the "Paris Manual" a methodology to standardize the information about science, technology and innovation "policy instruments" that are the most valuable information of these platforms.

Strategic Impact: Through these initiatives, the ATPS Secretariat Management aims to strengthen ATPS' partnerships with UNESCO both at the regional and international levels.

Regional Meeting on Sustainable Consumption and Production (SCP), 21 – 22 September 2011, Dar es Salaam, Tanzania

The ATPS Executive Director attended a Regional Meeting on Sustainable Consumption and Production (SCP) which was hosted by UNEP in Dar es Salaam, Tanzania from 21 – 22 September 2011. The main objectives of the regional meeting were to provide a global and regional overview on MP/SPC process as well as to provide capacity building through thematic working groups related to SCP priority areas for Africa. The outcomes of the meeting are expected to feed into the preparation of the Rio+20. The meeting explored the core questions of how African countries can pursue poverty reduction, industrial growth, food security and overall economic progress in resource-efficient ways. Given that Africa is predominantly dependent on natural resources – land, water, minerals, soils, forests, etc, the meeting also tried to propose and interpret resource efficiency within these contexts. By this approach, the participants were able to benefit from clear strategies and recommendations to take back to their various governments. The ED collaborated with Prof. Eric Eboh, the Executive Director of the African Institute of Applied Economics (AIAE) and member of ATPS Nigeria, to give a presentation on **Decoupling Resource Efficiency and Productivity**. The



paper show cased the need for STI capacity building for sustainable development through improvements in efficiency and productivity.

Strategic Impact: The ED's attendance to the meeting provided him with an opportunity to provide expertise from ATPS on peculiar policy, institutional and STI imperatives and challenges in promoting SCP in resource-dependent economies. Embedding this message in the position report for the Rio+20 is a strategic move to mainstream STI in the global discourses on Sustainable Development.

Open Society Foundations Higher Education Support Program (HESP) Africa Roundtable, September 15-16 2011 Maputo, Mozambique

The ATPS Executive Director attended an Africa Roundtable Forum organized by the Open Society Foundations (OSF) Higher Education Support Program (HESP). The meeting explored the priorities of Higher Education and also sought to identify and discuss the privileged ways in which higher education functions in Africa, in order to influence ways in which HESP could eventually support projects and initiatives. This invitation was extended to the ED following his publication on *Higher Education for Sustainable Development in Africa* which he presented to the Association of African Universities (AAU) in 2009 and was published under the ATPS Special Paper Series (see <http://www.atpsnet.org/Files/hesda.pdf>), and his role as Chair of the Reference Group of Africa Climate Change Adaptation initiative of the OSF.

Participation in the Intergovernmental Panel on Climate Change (IPCC)

The ATPS Executive Director participated as lead Author for the special report of the Intergovernmental Panel on Climate Change (IPCC) special report on Renewable Energy Sources and climate Change Mitigation (SRREN). The ED participated as a lead author for the Summary for Policy Makers (SPM) and Chapter 1 of the full report. The report was adopted by the Parties in May 2011 and has now been published by the IPCC (cf: <http://srren.ipcc-wg3.de/report>). One of the key meetings attended by the ED is the first IPCC Lead Authors' meeting for the 5th Assessment Report held in Changwon, China. He is a Lead Author in the AR5 chapters: *Sustainable Development and Equity*. The ED also attended a Regional Experts' Meeting hosted in Accra, Ghana from 9 – 11 August 2011 also supported by the IPCC, whose objectives were to discuss key issues of climate change impacts and adaptations at the regional level. The meeting discussed how best to accommodate the outcomes of the meeting in the sectoral and regional chapters of the Fifth Assessment Report (AR5).

Launch of the Biennial Report of the State of STI in Africa

The ATPS has liaised with the National chapters in a meeting held on 29th April 2011 in Nairobi, Kenya to agree strategies for launching the ATPS biennial report on the State of STI in Africa. The meeting attended by 23 National Chapter Coordinators, and key Stakeholders from the Quadruple Helix brainstormed on the structures required at the national and regional levels to ensure that the necessary data required for the report would be accessible to the ATPS at all scales, and also ensure that quality editorial functions are performed to ensure the quality of the biennial reports.

The ATPS Executive Director also held meetings with UNESCO Paris on the subject, and discussed potential areas of collaboration to facilitate the production of the biennial reports using the data resources of UNESCO and also ensure that the reports would feed into the UNESCO Global report on STI. UNESCO has promised to allow the ATPS to liaise with its Statistics office on datasets for the publication of the report.

UNESCO Global Science Report 2010



UNESCO Science Report 2010



The ATPS Executive Director and the Senior Research Officer collaborated with other Sub-Saharan Africa experts to lead the sub-Saharan Africa chapter of the UNESCO Science report for the period 2006 – 2010. The report which is published every 5 years was launched in Paris in November in 2010, and at the ATPS annual conference in Cairo, Egypt in November 2010. The ATPS also participated in the launch of the Sub-Saharan Africa chapter in Nairobi on 24 February 2011 spearheaded by the UNESCO Regional Office in collaboration with the Kenyan National Commission Science and Technology (NCST). The event was attended by the UNESCO officials, science experts and government officials, including the Minister for Higher Education, Science and Technology of the Republic of Kenya, and the Executive Secretary of the NCST Kenya.

UNESCO Paris has translated the report into many UN languages, and is currently working with the ATPS to translate Sub-Saharan Africa chapter into French and Arabic. The feedbacks received so far, suggest that the report is already being used by many agencies as a tool for STI policy advocacy in many countries globally.

Southern Voices in the Northern Policy Debate May 2011

The Woodrow Wilson International Centre for Scholars (USA) invited the ATPS to a consultative conference on *Southern Voices in the Northern Policy Debate* which was held from 22-23 May 2011 in Dakar, Senegal. The ATPS which was selected amongst key institutions to participate in the conference was represented by Dr. Kevin Urama, ATPS Executive Director and Prof. Turner T. Isoun, ATPS Board member.

The purpose of the conference was to identify a set of issues or themes, which are of mutual concern to the North and South alike, but upon which the South has a distinct perspective, set of interests, cultural or historical context which differs greatly from the Northern powers. The objective of the conference was to reach an agreement on this set of interests for which the President Woodrow Wilson International Centre can commission research efforts to bring this "Southern perspective or voice" to the attention of U.S. policymakers.

The meeting identified a number of key areas where the African voices needs to be represented in US policy dialogues, including: Climate Change; Technology Transfer; STI capacity building;

Agricultural Subsidies and Tariff Escalation; Youth, Employment, Migration and Poverty Alleviation; and Public Policies and Effects on Food Security and Poverty

among many other interventions.

The President Woodrow Wilson International Centre has now requested the ATPS to lead the paper on Climate Change and Technology Transfer in collaboration with the African Centre for Economic Transformation (ACET).

The commissioned research papers will be presented to the relevant US government department in 2012. ATPS' leading roles in STI capacity building, knowledge brokerage, technology transfer, and mainstreaming STI in climate change negotiations and dialogue was applauded by the PWWC at the meeting. The ATPS is working with the Woodrow Wilson International Centre on this initiative and will provide updates accordingly.

International Panel for Sustainable Resource Management



UNEP Water Panel



The ATPS Executive Director is engaged in the International Panel for Sustainable resource Management as Chair of the Sustainable Water Resources working group, and member to the Panel. Through his role on the Panel, the ATPS received a grant of US\$49,806 to support his role in leading the report on *"Decoupling, Water Efficiency and Water productivity"*. The report aims to mainstream clean technologies and sustainable policies for effective water management in global policy dialogues. Members of the working group span all continents of the world. A zero draft report was presented by members at the Resource Panel session held from 29 May to 01 June 2011 in Helsinki, Finland.

Bio-Innovate Technical Advisory Committee

The Executive Director was appointed to the membership of the Bio-Innovate Technical Committee (TAC) during the period. The Bio-Innovate is a newly established multidisciplinary competitive funding mechanism whose niche is characterized by a focus on the applications of bio-resource innovations to support sustainable growth and transformation of the agricultural and environmental sub-sectors from primary production to value addition, while enhancing adaptability to climatic change and strengthening innovation policy.

The TAC provides strategic direction to the selection of projects and overall technical management of the Bio-Innovate program which is based at the International Livestock Centre (ILRI) and funded by the Swedish International Development Cooperation Agency (Sida) over the 5 year period (2010-2014). Through his participation in the committee, the ED has initiated discussions with ILRI on potential areas of collaboration between the ATPS and ILRI especially in areas on science communication, policy dialogue and STI capacity building. Discussions are ongoing on the modalities of the collaboration which is necessary for the drafting of a MoU between the two organizations.

Open Society Foundations' Africa Climate Change Adaptation Initiative Reference Group

The ATPS Executive Director was appointed to the Reference Group of the Africa Climate Change Adaptation Initiative funded by the Open society Foundation (OSF). The three-member Reference Group acts as a sub-Board for the OSF initiative in Africa, with a mandate to review and advice on projects to be funded, approve the work program on the initiative, and evaluate the Program Director. At the OSF Board orientation workshop which was held in Budapest, Hungary from 14 – 17 June 2011, Dr. Kevin Urama was nominated by his peers to serve as Chair of the Reference Group. The costs of the ED's

participation in the Reference Group are fully covered by the OSF.

Kenya National Council of Science and Technology (NCST) Annual Conference, Nairobi, Kenya, 3-6 May 2011

ATPS was invited to the Kenya National Council of Science and Technology (NCST) Annual Conference which was held from 3 - 6 May 2011 in Nairobi, Kenya. The conference theme was *Science, Technology and Innovation as a Platform for National Development*. The NCST conference attracted participation from policy makers, scholars, academicians, scientists, entrepreneurs, innovators, research and development workers, and other end-users of technologies. The Executive Director's presentation on *Science, Technology and Innovations and Human Livelihoods* was presented on his behalf by Dr. Maurice Bolo, Post-Doctoral Research Officer.

ATPS has continued to forge strong links with the Kenya National Council for Science and Technology which has also been supporting and providing guidance to the ATPS-Kenya chapter.

Strategic Impact: Secretariat Management believes that ATPS' participation in these global STI reports and initiatives is a welcome development. It is expected to mainstream ATPS and STI capacity building in these global forums and eventually improve ATPS' visibility in the STI arena and fundraising capacity, globally.

ACPC Consultation Forum on Climate and Development Program of Africa, Addis Ababa, Ethiopia, April 2011

The ATPS Executive Director was invited as an expert to a high level experts' consultation workshop on the *Climate and Development Program of Africa* which was held from 26 – 27 April 2011 in Addis Ababa, Ethiopia. The meeting was organized by the African Climate Policy Center (ACPC) which was recently established as the technical arm of the Climate for Development in Africa (ClimDev-Africa) programme, a joint initiative of UNECA and the African Development Bank.

The focus of this consultative meeting was *Low carbon development and Climate and Energy*. The main objective of the meeting was to identify key research questions on low carbon development and climate with energy development particularly energy access in Africa. The consultative meeting also sought to map and identifies complementarities of initiatives undertaken by the invited institutions so as to prioritize knowledge and policy needs with regards to the topical issues un-



der discussion. Participation to this important meeting was by specific selection based on the background and expertise of the invited delegates, therefore indicating the significance attached by UNECA to the work of ATPS.

Emerging collaboration with the African Academy of Sciences (AAS)

The ATPS has held several meetings with the Executive Director and other representatives of the African Academy of Sciences (AAS) to discuss potential areas of collaboration between the two organizations. At a meeting hosted at the ATPS Secretariat, key areas that emerged as being of mutual interest to both AAS and ATPS include: Climate change; STI Policy; Training and Sensitization; Science Communication and Stakeholder Dialogue; Mainstreaming Trans-Disciplinarity in African Universities; and others. Discussions are ongoing regarding the potential of both organizations hosting joint Annual Conferences and General Meetings of members; hosting the ATPS Secretariat within the AAS complex; and other joint program initiatives.

Strategic Impact: The ATPS regards the emerging partnership with AAS as very important. As an umbrella body for Science in Africa, AAS will provide a useful platform for ATPS to access African Science experts and scientific knowledge and resources. On the other hand, ATPS will support the AAS in enhancing uptake of science outputs from its Fellows.

National Chapters/Institutional Support

Support the National Coordinating Centres undertaking studies on Traditional Knowledge Systems and Increasing Access to Benefit Sharing of Intellectual Property (IP) in Africa, targeting Eastern Africa and the SADC countries (Kenya, Uganda, Tanzania, Ethiopia, Swaziland, Lesotho, Malawi and Mozambique).

Seven National Chapters have benefited from grants to support national coordinating centres under the IP program so far. The chapters are Ethiopia, Kenya, Lesotho, Malawi, Swaziland, Uganda and Zimbabwe. Following the successful resolution of the challenges affecting the Tanzania chapter, the already constituted National Steering Committees in the chapter will now be able to benefit from this initiative.

Support the ATPS National Chapters and Focal Points

ATPS organized a retreat for the National Chapter coordinators from 28 – 30 April 2011 in Nairobi, Kenya. Twenty three national chapter coordinators attended the retreat where they discussed and strategized on ways of strengthening the relationship between the chapters and the ATPS. At the retreat, the coordinators committed to put more effort in ATPS activities within their respective chapters.

The coordinators adopted and endorsed the revised Agreement between ATPS and its National Chapters which outlines the working modalities to ensure mutual benefit. They also reviewed and adopted the minutes of the national chapter coordinator's meetings held on 29 November 2010 in Cairo Egypt.

International Cooperation and Partnership



Science, Technology and Innovations
for African Development

International Cooperation and Partnership



Prof Osita Ogbu takes ATPS National Coordinators and Secretariat staff through training on the Ethics of a winning organization

Conduct Training of Trainers

Following a successful launch of the ToTs in Cairo during the last annual conference, a training curriculum and manual to guide the training of trainers was developed. The curriculum and manual is based on the content the IP team shared with the African Regional Intellectual Property Organization (ARIPO), initially approached to facilitate the workshop but were unable to commit. To avoid delays in the programme implementation a team of IP experts led by Prof. Moni Wekesa, Dean of the Law School at the Mount Kenya University (MKU) were approached to implement the training from 10 – 11 November 2011 in Mombasa, Kenya.

The specific objectives of the ToT workshop were to:

- identify the various forms of Intellectual Property Rights (IPRs);
- provide an overview of intellectual property rights and linkages to access and benefit sharing;

- understand patents and the patent application process and linkages to ABS;
- To introduce key concepts concerning disclosure and certificates of origin/source/compliance;
- provide an overview of patent registration offices in Africa, their roles and linkages with international and other offices (e.g. the Patent Cooperation Treaty, the European Patent Office, the United States Patent and Trademark Office);
- understand how a patent registration office examines and grants patents, patent opposition, and patent filing and maintenance costs; and
- Understand the international legal framework related to IPRs.

The TOT was facilitated by Prof. M. Wekesa and Ms Millicent Ligare and attracted participation from 4 chapter coordinators (Ethiopia, Kenya, Malawi, and Uganda); 25 National Steering Committee members from the par-



ticipating countries; 10 TOT participants; 4 project principle investigators; and 3 Regional Steering Committee Members. The session also attracted the interest and participation of 17 other conference attendees thereby bringing the cumulative attendance to 64.

The training covered seven sessions and these included: The Intellectual Property Rights regimes; IPR institutional frameworks (both international and regional); Protection of Traditional Knowledge and expression of Folklore; concepts and principles of Benefit Sharing as per Nagoya and Swakopmund Protocols; Protection of Traditional Knowledge; Tools for Access and Benefit Sharing; and Bioprospecting and Biotrade.

The post-evaluation of the training was generally positive and ATPS expects to carry on with the implementation of the ToT curriculum for the remaining duration of the project. The ToT beneficiaries at country level will receive further support to implement the ToTs at their respective country levels.

Support creation of awareness at the grassroots levels

The national chapters have been requested to submit proposals for awareness creation and sensitization involving grassroots communities. As at the end of December 2011, only two countries, Ethiopia and Uganda had submitted their proposals and funding budgets have been approved. Other chapters are expected to follow

suit within the first quarter of 2012. To fast track the process, IP-team held a side session during the IP workshops held November 2011 for all coordinators to present their workplans this year (2012), to enable the TOTs and coordinators to implement activities such as round table workshops, stakeholders meetings etc. It is expected that the published materials will be ready by the second quarter of 2012 hence everything will be in place for the countries to effectively create awareness on Traditional Knowledge, Access Benefit Sharing and effective IP.

Conduct a three day workshop to engage scientists, policy-makers, science journalists and policy research advisors in brainstorming, discussing and prioritizing innovative ideas on strategically addressing the science-policy divide

ATPS organized a 3-day workshop on “*Strengthening Linkage between Policy Research and Policymaking for African Development*” from 16 – 18 February 2011 in Mombasa, Kenya. The overall purpose of the workshop was to engage relevant stakeholders to address the gap between policy research and policymaking with a view to designing a proactive way forward for bridging this gap for African development. The workshop was organized in collaboration with the African Population and Health Research Centre (APHRC); the African Center for Economic Transformation (ACET); and the Food, Agriculture, Natural Resources Policy Analysis Network (FANRPAN).



Prof Kevin Urama, the ATPS Executive Director addresses participants at a workshop on Strengthening Linkages between Policy Research and Policy Making for African Development



The workshop was attended by 29 delegates from 9 African countries comprised of policy makers, private sector actors, journalists and researchers. The delegates sought to identify and prioritize strategies to improve the linkages amongst policymakers and policy implementers in Africa to improve the use of homegrown policy research evidence in policymaking. The meeting also sought to create a network of like-minded institutions to sustain policy knowledge brokerage and communication for African development.

A key outcome from the meeting were key Resolutions committing to establish a trans-disciplinary consortium of policy research institutions and policy making arms of governments in Africa to:-

- i. Promote more effective policy development;
- ii. Enhance collaboration and coordination of financial and human resources;
- iii. Facilitate the development and sharing of knowledge amongst the stakeholders; and
- iv. Enhance the capacity for evidence-based policy development.

The proceedings report from this workshop is available at http://www.atpsnet.org/Files/Linking_Research_to_policy_-_Proceedings_of_Stakeholders_Workshop_Kenya.pdf.

Strategic Impact: In the process of developing the African Manifesto for STI, the lack of collaboration between policy research and policymakers was identified as a key constraint to STI policy development and policy implementation on the continent. The gap was identified by all the key actors in the STI policy space in Africa during the Manifesto development consultation exercise, including the officials of the African Union, Science experts, National Councils for STI, the private sector actors and the civil society. The initiative aims to address this gap, and also through collaboration with development partners and other leading STI Policy Research Institutions in Africa, mainstream the ATPS' role as a knowledge broker on STI policy issues on the continent. This workshop was a pre-cursor to the wider Pan-African roundtable forum which was held during the 2011 ATPS Annual Conference and Workshop held from 07 – 11 November 2011 in Mombasa, Kenya.



Youth and Gender Empowerment

Science, Technology and Innovations
for African Development



Youth and Gender Empowerment



A group of youth at a conference organised by ATPS and the University of Nairobi on "Factoring Youth Voices into Critical Issues"

African Youth Forum for Science and Technology (AYFST)

Climate Change Innovation Challenge Awards

To build capacity for innovation amongst youths, ATPS held a competition on Climate innovations Challenge at its annual conference in November 2011. The aims of the programs are:

The specific objectives of the research include:

- i) To identify, document, induce and upscale indigenous and new technologies and innovation for Climate Change mitigation, adaptation, risk reduction, preparedness and resilience capacity building in Africa;
- ii) Harness new ideas, prototype technologies and ground breaking scientific research and/or craftsmanship in designing 'workable solutions' for addressing the climate challenge and har-

ness the development opportunities in "climate change industry" for African development;

- iii) Mobilise and support African Women/Youth to harness and incubate their innovative capacities and entrepreneurship skills in addressing climate change challenges and opportunities in Africa. The Award winners will receive long term mentorship as Climate Innovators in Africa;
- iv) Mobilize women/youth across the continent and amplify their voices in making sense of climate science, economics, politics, and opportunities in Africa; and
- v) Mainstream a culture of innovation among African women/youth in finding solutions to development challenges such as climate change.

Following the successful Proposal Tournament organized by ATPS on 26th November 2010 in Cairo, Egypt,



15 proposals submitted under the Climate Innovation Awards were shortlisted under the AYFST category passed the threshold for fundable proposals and were subsequently approved by the 18th meeting of the ATPS Board. The shortlisted proposals cover (10) countries namely: Ghana, Zimbabwe, Nigeria, Ethiopia, Kenya, Tanzania, Malawi, Benin, South Africa, and Lesotho.

The grantees supported under this initiative convened in Mombasa, Kenya on from 08 - 10 November 2011 for a Progress Review and Methodology Workshop. At

the workshop, the grantees presented the status of their ongoing studies to their peers and experts led by the AYFST project coordinator. The grantees received useful comments from reviewers aimed at strengthening and upscaling the remaining part of their studies. The studies are on course and are expected to conclude within the second quarter of 2012.

Below is a summary of the research studies commissioned under this category.

PROPOSAL CODE	TITLE OF PROPOSAL	LEAD PROPONENT	COUNTRY	STATUS
CP/0401/10-06	Design and analysis of a 1mw grid-connected solar photovoltaic system in Kumasi, Ghana	Ebenezer Nyarko Kumi	Ghana	Commissioned & ongoing
CP/0402/10-04	Near real-time application and validation of a multi-temporal threshold algorithm in active forest fire detection and monitoring in Zimbabwe using MSG satellite	Tawanda Manyangadze	Zimbabwe	Commissioned & ongoing
CP/0402/10-05	Optimization of a continuous biodiesel plant	Mr. J. N. Nwakaire	Nigeria	Commissioned & ongoing
CP/0403/10-01	Evaluation of the CMIP3 Model on the Simulation of the South Atlantic ocean Dipole	Hyacinth C. Nnamchi	Nigeria	Commissioned & ongoing
CP/0403/10-02	Developing the Capacity and Improving Access of Small-scale Farmers to Low Cost Artificial Substrate Mushroom Cultivation in South-Eastern Nigeria	Mkpado Mmaduabu-chukwu	Nigeria	Commissioned & ongoing
CP/0404/10-01	Utilization of the Potential Rain Water Harvesting Technology for Improving Food Security in Dry Areas, The Case of Bahi District, Dodoma.	Deusdedit Kibassa	Tanzania	Commissioned & ongoing
CP/0404/10-02	Harnessing Indigenous Knowledge on Small-Scale Soil and Water Conservation Innovations to Enhance Farmer Adaptation to Climate Change in Central Malawi.	Loma Nyangulu	Malawi	Commissioned & ongoing
CP/0404/10-05	Assessing Indigenous Climate Change Adaptation and Mitigation and Improving Resilience and Decision Making Capacity of Smallholder farmers in response to climate risks in Tigray, Northern Ethiopia.	Kiros Meles Hadgu	Ethiopia	Commissioned & ongoing
CP/0404/10-06	Assessment of the vulnerability and adaptation strategies to climate variability and change of the Bos-taurus dairy genotypes under diverse production environments in Kenya.	Kiplangat Ngeno	Kenya	Commissioned & ongoing



PROPOSAL CODE	TITLE OF PROPOSAL	LEAD PROPONENT	COUNTRY	STATUS
CP/0405/10-07	Analysis of the role of ICTs in Climate Change Awareness; Adaptation and Mitigation in Rural South Africa and Zimbabwe.	Shakespear Mudombi	South Africa	Commissioned & ongoing
CP/0401/10-08	Detailed measurements of vehicular carbon footprints emissions concentration level in Minna, Niger State, Nigeria and the Environmental Pollution cum Climate Change Effect	Francis Okelola Olu-mayokun	Nigeria	Commissioned & ongoing
CP/0401/10-05	The Integration of Conservation Agriculture to Agro-forestry system as an adaptation strategy to climate change.	Sekaleli Ts'epo Stephen	Lesotho	Commissioned & ongoing
CP/0404/10-04	Climate Change Analysis: Improve Farmers' Resilience to Climate Related Hazards in the Upper Catchment of Blue Nile, Ethiopia	Mr. Bewket Amdu	Ethiopia	Commissioned & ongoing
CP/0405/10-03	Les Jeunes moteurs des Communautés résilientes face au changement climatique dans les villes de Karimama et de Malanville	Abdelaziz Lawani	Benin	Commissioned & ongoing
CP/0401/10-02	Assess the rationale and competence of pastoral community innovative adaptation to the incidence of climate change in Ethiopia	Tibebu Solomon	Ethiopia	Commissioned & ongoing

Table 4: Research commissioned under the AYFST Climate Innovation Challenge Awards

Strengthen collaboration with UNECA and AU on mainstreaming youth in STI governance in Africa

The 5th TWAS-ROSSA Young Scientists' Conference February 2011, Nairobi, Kenya

The ATPS was invited to participate in the Fifth Young Scientists' Conference of the TWAS, the Academy of Sciences for the Developing World - Regional Office for Sub Saharan Africa, (TWAS-ROSSA). The conference was held in Nairobi, Kenya from 26-27 February 2011 focused on the theme *"Exchanging Knowledge on Climate Change Impacts and Vulnerability in Africa: The Role of Networking."*

The Conference provided a forum for young and senior scientists to share their research findings on climate change in the region as well as outline effective networking mechanisms for the advancement of climate change research and implementation of scientific measures to reduce Africa's vulnerability.

At the event, the ATPS Executive Director presented a keynote paper on *"Exchanging knowledge on Climate*

Change Impacts and Vulnerability in Africa; The role of networking - Developing an Integrated Collaborative Environment (ICE)". The involvement of ATPS in capacity building initiatives for young scientists through the AYFST program was well appreciated at the event.

Publish a book volume on innovation for Climate Change Adaptation and Mitigation in Africa

This will be published upon the completion of the grants awarded under the innovation challenge programme

Support to ATPS Youth Internships and Post-Doctoral Summer Placement Program

In line with the ATPS program on student Internships, seven (7) interns were hosted during the reporting period. These include Mr. Trust Saidi, a Ph.D. student from the Maastricht University; Ms. Sarah Ngetha an International Relations graduate from the United States International University, Nairobi; Mr. Josiah Owiti a Biochemistry graduate from the University of Nairobi; Mr. Robert Mutwiri a Law graduate from the Catholic University of Eastern Africa (CUEA); Ms Belinda Maka-



dia a graduate in Pure Chemistry from the University of Nairobi; Ms. Suchi Smita Mahato an International Political Economy major senior at Colorado College which is an arts school in Colorado Springs, USA; and Ms. Ada Osisioma a holder of Executive Master of Science in Organizational Development (EMOD) from the United States International University (USIU)-Africa.

The ATPS Secretariat has continued to receive applications for Internships and short term summer placements from experts around the world wishing to strengthen their networks and skills on STI in Africa. The Secretariat hopes to expand this facility in future as a cost effective way of building STI capacity and global outlooks / networks for African youths through learning by doing, peer to peer knowledge circulation and knowledge networking. As in most student internship programs, ATPS Interns receive KES 8,000 per month as a contribution to their local transport while working at the ATPS. International interns and/or their sponsors are expected to cover the cost of their international flights, accommodation and subsistence while undertaking their internship in Kenya.

African Women Forum for Science and Technology (AWFST)

Climate Change Innovation Challenge Awards

Following the successful Proposal Tournament on the Climate innovations Challenge program, organized by ATPS on 26th November 2010 in Cairo, Egypt, 15 proposals submitted under the Climate Innovation Awards were shortlisted under the AWFST category passed the threshold for fundable proposals and were subsequently approved by the 18th meeting of the ATPS Board. The shortlisted proposals cover (5) countries namely: Nigeria, Tanzania, Kenya, Uganda, including the Diaspora, and the United Kingdom (UK).

The grantees supported under this initiative convened in Mombasa, Kenya on from 08 - 10 November 2011 for a Progress Review and Methodology Workshop. At the workshop, the grantees presented the status of their on-going studies to their peers and experts led by the AWFST project coordinator. The grantees received useful comments from reviewers aimed at strengthening and up scaling the remaining part of their studies. The studies are on course and are expected to conclude within the second quarter of 2012.

Below is a summary of the research studies commissioned under this category.

PROPOSAL CODE	TITLE OF PROPOSAL	LEAD RESEARCHER	COUNTRY	STATUS
CSP/0501/10-01	Smallholder rice farmers in South Eastern Nigeria: Constraints. Impact, mitigation and adaptation to climate change	Dr. Happiness Oselebe	Nigeria	Commissioned & ongoing
CSP/0502/10-01	Waste Minimization Programme (WIP)	Martha Ada Ugwu	UK	Commissioned & ongoing
CSP/0504/10-01	Climate Change Awareness and Indigenous Innovative Adaptation Measures applied by the Maasai Society in Tanzania	Elinorata Mbuya	Tanzania	Commissioned & ongoing
CSP/0504/10-02	Farm Level Responses to Climate Change and Sustainable Agro-Ecosystem Management in Marginal Lands of Ebonyi State, Nigeria	Ann Nnenna Ezech	Nigeria	Commissioned & ongoing
CSP/0504/10-05	Moving Forward in a Changing Climate: Poverty Reduction through Sustainable Environmental Management (PRESEM)	Joy Samantha Bongyereire	Uganda	Commissioned & ongoing
CSP/0504/10-07	Effective Dissemination pathways for delivering Climate information and services to vulnerable groups for adaptation in semi-arid Kenya.	Viola Kirui	Kenya	Commissioned & ongoing



PROPOSAL CODE	TITLE OF PROPOSAL	LEAD RESEARCHER	COUNTRY	STATUS
CSP/0504/10-08	Identifying Indigenous knowledge and effective communication systems for adaptation to climate change by smallholder farmers of Kilifi District, Kenya.	Grace A. Achiando	Kenya	Commissioned & ongoing
CSP-0504/10-09	Strategies for Promoting Sustainable Indigenous Practices in Adaptation, Resilience Capacity Building and Mitigation of Deforestation, Desertification and Drought in Rural African Communities.	Barrister Onyeke Kingsley	Nigeria	Commissioned & ongoing
CSP-0501/10	The Effect of Human Activities on the Role of Forests as a Carbon Sink - The Case of Mau Forest, Kenya.	Aliet Ondicho	Kenya	Commissioned & ongoing

Table 5: Research commissioned under the AYFST Climate Innovation Challenge Awards

Strengthen collaboration with UNECA and AUC on mainstreaming women in ST&I governance in Africa

First Climate Change and Development for Africa (CCDA-I) Conference, 17 – 19 October 2011

The ATPS Technical Staff team members played key roles in the First Climate Change and Development for Africa (CCDA-I) Conference which was held from 17 – 19 October 2011. The conference was hosted at the United Nations Conference Centre in Addis Ababa, Ethiopia and was organized through collaborative efforts of African Union Commission (AUC), African Development Bank (AfDB) and the United Nations National Economic Commission for Africa (UNECA). This conference was part of the Climate for Development in Africa (ClimDev Africa) programme and it was coordinated by the new African Climate Policy Center (ACPC) of UNECA.

The overall objective of the conference was to establish a forum for dialogue, enhance awareness raising, mobilize effective commitment and actions through bringing together policy makers, academicians and practicing stakeholder with the aim of effectively mainstreaming climate change concerns into development policies, strategies, programmes and practices in Africa. The CCDA-I also explored ways of strengthening Africa's position and participation in international climate change negotiations with a view to ensuring adequate reflection of the continent's concerns and priorities in a post-2012 international climate change regime.

ATPS encouraged former successful grant recipients un-

der the Climate Sense Programme to submit abstracts for presentation at the CCDA-I conference as a way of showcasing experiences from their work. This was especially important for the ATPS researchers as provided them a chance to contribute to global debates on climate change issues such as the upcoming African Pavilion and COP17/CMP7 that was held in Durban, South Africa from 28 November 2011 – 9th December 2011.

The involvement and participation of ATPS at the conference is one of the direct outputs under the MoU signed by ATPS and UNECA

Other partnerships with AUC

The African Union Commission (AUC) has through the African Development Bank's Association for Development of Education in Africa (ADEA) commissioned the Prof. Kevin Urama, the ATPS Executive Director to prepare a paper on the **Role and Contribution of Research and Post-graduate Training to Strengthening and Sustaining the African Higher Education and Research Space (AHERS)**. The request for the preparation of the paper was as a result of an earlier keynote paper presented to the Association of African Universities (AAU) in 2009 on *Higher Education for Sustainable Development in Africa*. This latest request was very timely as it affirms the AUC's recognition of the internal expertise within the ATPS.

Publish a book volume on innovation for Climate Change Adaptation and Mitigation in Africa

This will be published upon the completion of the program.



Training and Sensitization

Science, Technology and Innovations
for African Development

Training and Sensitization



A section of participants in a group discussion during the IP Training of Trainer's Workshop

Building S&T Constituencies and Popularization of S&T

Organize in-country activities to commemorate the scientific revival day of Africa in the ATPS chapter countries

The 46th Ministerial Conference of the Organization of African Unity (OAU) in 1987 declared 30th June as a day that should be reserved to commemorate the Scientific Revival Day in Africa (SRDA). ATPS attaches great significance to this day and has used it over the years to mobilize support and generate enthusiasm for Science, Technology and Innovation (STI) policy in Africa through various platforms. During the reporting period, ATPS circulated a call to all the National Chapters to submit Expressions of Interest (Eols) for activities to commemorate the SRDA in their respective countries.

Eight chapters (Benin, Ghana, Kenya, Lesotho, Malawi, Nigeria, Uganda, and the UK) heeded the call and their Eols are currently under review. Zimbabwe chapter has requested special concession to submit their proposal later as they are undergoing the process of registration of the chapter in Zimbabwe and addressing institutional challenges facing the chapter in the country's political climate. A grant of US\$5,000 per chapter was approved for the chapters that have expressed interest with the exception of the UK chapter which is still in its infancy. Brief reports from the countries where the activity was implemented are provided below:-

ATPS Lesotho

ATPS Lesotho chapter celebrated the Scientific Revival Day on the 30th of August at Lehakoe Club in Lesotho. The main purpose of the event was "To adopt and launch the African Manifesto for Science, Technology and inno-



vation.” The objectives for the Lesotho Chapter’s commemoration included the adoption, launch and sensitization of the general public on the African Manifesto for Science, Technology and Innovation (STI); assisting political parties in Lesotho to integrate STI and entrepreneurship in their manifestos; raising awareness of the ATPS and the ATPS Lesotho Chapter and encouraging new members to join the ATPS Lesotho Chapter; presentation to the general public the Lehakoe Resolutions which were adopted at the Chapter’s Annual General meeting and to demonstrate products which are relevant to economic setting of Lesotho and Africa whose emergence is attributable to Science, Technology, Innovation and Entrepreneurship. The forum provided a platform to also address the Science illiteracy problem at all levels of the society in Lesotho and to help in sustaining the momentum, passion and commitment gained so far by the ATPS Lesotho Chapter. For more on this event, please see http://www.atpsnet.org/media_centre/focus/atps-lesotho-srd/index.php

ATPS Kenya

The ATPS-Kenya chapter commemorated the SRDA with a workshop which was held in collaboration on 29 July 2012. The target groups were mainly the youth aged between 15 and 35 years old. Partners and collaborators include organizations involved in policy formulation / implementation, promotion, production, training, research and marketing of agricultural products including the Kenya National Council for Science and Technology (NCST) and the Kenya Agricultural Research Institute (KARI).

The overall objective of the workshop was to promote participation of the Kenyan Youth in Agricultural Science, Technology and Innovation Systems for employment and wealth creation. The workshop created awareness of the role of STI in Agriculture among the targeted participants and also created a forum for the youth to share experiences in agri-business. The workshop further provided insights on the opportunities available in Agricultural Value Chain for the youth and also sought to identify potential agri-business technologies and innovations that can be adapted / up-scaled by the youth to increase production.

ATPS Malawi

The ATPS Chapter in Malawi held a one day meeting on December 9, 2011. The gathering primarily provided an opportunity for like-minded institutions and registered and potential members to be inducted to the aspirations of ATPS and encourage them to employ ATPS in realizing their own aspirations for a better world by being innovation and knowledge brokers without and within Malawi.

The tenets of the meeting recognized that the ATPS Chapter in Malawi is committed to a course of development which transcends narrowly-defined limits of a single organization. Thus, the Chapter seeks to nurture a network of professionals equipped with knowledge and skills that are needed to make the transition towards more sustainable socio-economic development.



Participants at the 2011 ATPS Kenya Scientific Revival Day for Africa



Participants at the African Technology Policy Studies Network (ATPS) Malawi Chapter Meeting held December 9, 2011, Lilongwe, Malawi

ATPS Nigeria

ATPS Nigeria has in the past couple of years taken the initiative to network with other organizations in Africa and indeed Nigeria in annually celebrating the Scientific Revival Day. In 2011, the collaborating institutions included the University of Nigeria (UNN), the ATPS Network, and the Open Society Foundation (OSF) of the United States of America, the Development Partnerships in Higher Education (DePHE) of UK and the Faculty of Agriculture, UNN, under the UNN-ATPS-OSF project on building trans-disciplinary climate change adaption capacity at the University of Nigeria. The major activity for the celebration was a symposium on *Climate Change Adaptation Strategies and Policies* on the 6th July 2011 at the Princess Alexandra Auditorium, University of Nigeria, Nsukka, Enugu State, Nigeria.

Speakers at the symposium were drawn from South Africa, the Federal Ministry of Environment, the University of Nigeria, the Federal University of Technology Yola, and the African Institute for Applied Economics, Enugu. Participants were from the partner institutions joined by representatives from the Federal Ministry of Environment, (FMEn), Abuja; the Nigerian Institute for Social and Economic Research (NISER), Ibadan; the Raw Material Research and Development Council, (RMRDC), Abuja; the Step-B Project, Abuja; representatives from State Ministries of Environment; State Project Coordinators (SPC) of the Fadama 111 projects; staff and students of the University of Nigeria as well as selected secondary schools, and the press. More information on this event is

available at http://www.atpsnet.org/national_chapters/nigeria/news/srd-nigeria-2011/index.php.

Conduct a Parliamentary Roundtable on Role of STI in Africa: Implications for Millennium Development Goals (MDGs)

UNESCO Capacity building training workshop in STI Policy for Eastern African, 31 October – 01 November 2011, Nairobi, Kenya

The UNESCO bureau in Nairobi tapped on the ATPS expertise in STI policy issues for a training to map the policy environments of the countries in Eastern Africa and use this data as a reference for training of policy makers, academics, private sector and/or parliamentarians in STI Policy formulation, implementation and monitoring. The justification for the training was that each of the various countries reflects the diverse developmental characteristics of East African countries with challenges in effective STI policy implementation for accelerated socio-economic development.

This request came as a follow up to the detailed training manual on STI that ATPS prepared for UNESCO in 2010. The ATPS research and training team under the guidance of the Executive Director put together a stimulating training program for the delegates which was very well received. The overall objective of the training was to create the necessary capacity in STI policy in the selected countries in Eastern Africa (Rwanda, Uganda, Tanzania and Kenya) to enhance the application and



development of STI for sustainable development. The Executive Director was the Lead Consultant for this training activity.

Organize training for ATPS National Coordinators

The ATPS National Chapter Coordinators and Regional Council members held a meeting in Mombasa, Kenya on 07 November 2011. This convening was the second in the year for the team which held an earlier meeting in Nairobi, Kenya from April 28 – 30, 2011

Immediately following the meeting, ATPS Secretariat staff members and the national coordinators and regional council members benefitted from a training workshop on **Ethics of Winning Organizations**. The training was facilitated by a professional consultant who provided strategies on how to harness efforts to collectively deliver on the mandate of ATPS. This training was part of the annual training of ATPS staff members, the Regional Council and National chapter coordinators to build a common vision and ethics for ATPS.

Staff Training

Support staff training

In continued commitment towards ensuring that ATPS members of staff benefit from its capacity building mandate, has continued to support various staff mem-

bers who have benefitted from training grants. During the period in review, one staff member was sponsored to attend intensive 5-day leadership training in Kisumu, Kenya.

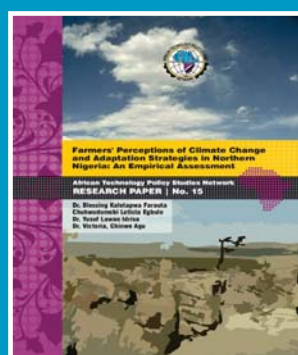
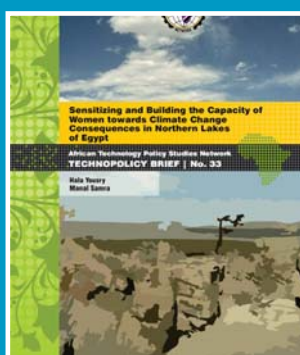
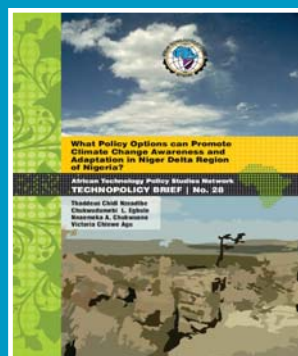
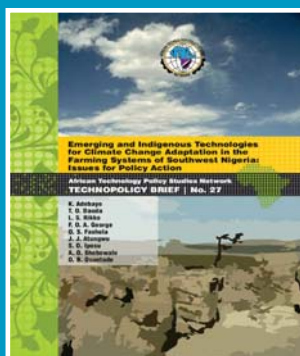
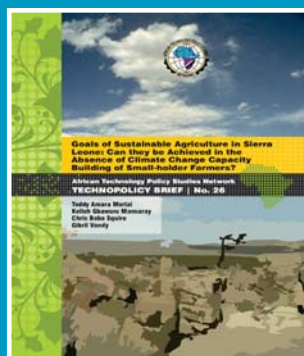
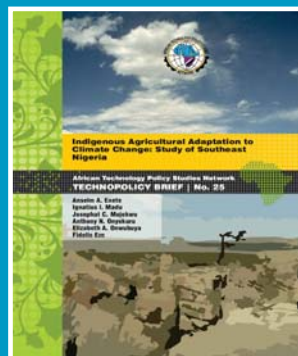
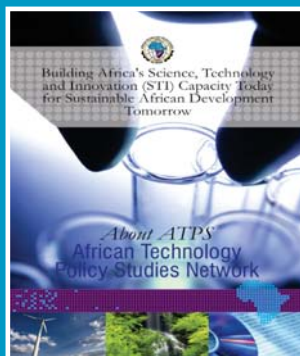
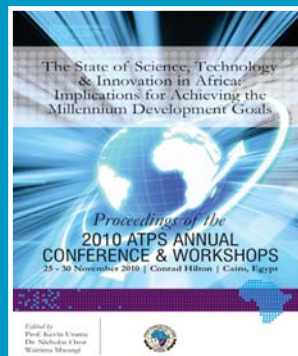
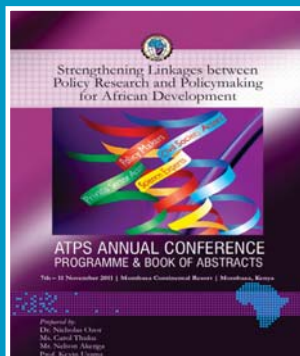
Another staff has received partial support towards a Bachelors' degree at the Africa Nazarene University, Nairobi. Staff members are continually encouraged to undertake short courses that are relevant to their work to enrich them with skills that will enable them add value to their work and ultimately contribute to the effective realization of ATPS' objectives. The training assessment needs for all staff members are discussed and reviewed during the ATPS Performance Review and Appraisal process each year. The training needs for staff in 2011 were identified by Line Managers and respective staff members accordingly during their Forward Job Planning meetings.

In addition, training is provided on collective basis on matters of Human Resources and Team Building issues such as the planned ATPS Staff training which was held on 07 November 2011, at the Mombasa Continental Hotel in Mombasa, Kenya. This whole exercise is meant to enhance cohesiveness and strengthen the ATPS Secretariat team, and motivate them to work towards a common objective. The training was also expected to harmonize the relationship between the Secretariat and the National Chapters.



ATPS Finance Manager, Mr. Murimi Muriuki takes staff through the budget making process during an internal training session for staff members

Science Communication and Stakeholder Dialogue





ATPS Multi-Media Publications & Websites

Below is a summary of the publications produced and/or initiated in 2011:

- 1 ATPS Reports
- 1 Book Volumes
- 3 Book Chapters
- 1 ATPS Newsletters
- 4 Conference/Workshop Proceedings Reports
- 3 Journal Articles
- 1 ATPS Research Paper Series
- 6 Technopolicy Briefs
- 5 Multimedia Publications
- 17 Conference/Keynote presentations
- 18 Press Releases
- 1 Other publication (flyers, prospectuses etc)

A complete list of the publications is shared below. The Website report is discussed separately.

ATPS Reports

1. Urama K.C., Bolo, M.B., (2011) Science, Technology and Innovations for African Development; ATPS Annual Report 2010. http://www.atpsnet.org/publications/annual_reports/2010/index.php

Book volumes

1. Ozor N., Thuku C., Akenga N., and Urama K. (2011) Book of Abstracts: A compendium of the 2011 ATPS Annual Conference and Meetings http://www.atpsnet.org/Files/Annual_Conference_2011_Program_and_Book_of_Abstracts.pdf

Book Chapters

1. IPCC, 2011: Summary for Policymakers. In: IPCC Special Report on Renewable Energy Sources and Climate Change Mitigation [O. Edenhofer, R. Pichs-Madruga, Y. Sokona, K. Seyboth, P. Matschoss, S. Kadner, T. Zwickel, P. eickemeier, G.Hansen, S.Schliomer, C. von Stechow (e.ds.)) Cambridge University Press, united Kingdom and new York, USA.
<http://srren.ipcc-wg3.de/report>
2. Moomaw, W., F. Yamba, M. Kamimoto, L. Maurice, J. Nyboer, K. Urama, T. Weir, 2011. Introduction. In: IPCC Special Report on Renewable Energy Sources and Climate Change Mitigation [O. Edenhofer, R. Pichs-Madruga, Y. Sokona, K. Seyboth, P. Matschoss, S. Kadner, T. Zwickel, P. eickemeier, G.Hansen, S.Schliomer, C. von Stechow (e.ds.)) Cambridge University Press, united Kingdom and new York, USA. <http://srren.ipcc-wg3.de/report>
3. Ozor, N., M.N. Oguguah and M. Ugwuoke (2011) Sharing the Lagos megacity experience in the integrated management of sea level rise and flooding; In: K. Otto-Zimmermann (Ed.). Resilient Cities: Cities and Adaptation to Climate Change; Springer Science + Business Media B.V. 2011: 319-327. Available online at:<http://www.springerlink.com/content/u623427519386133/abstract/>

ATPS Newsletters

1. SETDEV Newsletter, Issue No. 5, May 2011
http://www.atpsnet.org/Files/SET-DEV_newsletter_05.pdf
http://www.set-dev.eu/phocadownload/set_dev_newsletter_05.pdf

Conference/Workshop Proceedings

1. Ozor, N., & Urama, K. (2011) Proceedings of the Pre-Conference and Policy Side Events on Higher Education in Agriculture in Africa held at the Speke Resort and Conference Center, Munyonyo, Kampala, Uganda. http://www.atpsnet.org/Files/CHEA_Ministerial_Conference.pdf



2. Urama, K., Ozor, N., & Mwangi, W., (2011) Proceedings of the 2010 ATPS Annual Conference and Workshops on the State of Science, Technology and Innovation in Africa: Implications for Achieving the Millennium Development Goals. http://www.atpsnet.org/Files/2010_Annual_Conference_Proceedings.pdf
3. Urama, K., Ozor, N., & Bolo, M., (2011) Strengthening Linkage between Policy Research and Policymaking for African Development Proceedings Report. http://www.atpsnet.org/Files/Linking_Research_to_policy_-_Proceedings_of_Stakeholders_Workshop_Kenya.pdf
4. Mwangi, W., & Urama, K. (2011) Science, Ethics and Technological Responsibility in Developing and Emerging Countries (SETDEV). Implementation of the African manifesto for Science, Technology and Innovation. A Breakfast Roundtable with Stakeholders & Final Outputs' Workshop (Manuscript under review)

Journal Articles:

1. Urama, K. C., Mulugetta, Y., Thorne, S., Ozor, N. (2011) Review of Technology Transfer Models and Opportunities for Climate Sensitive Sectors in Africa. (Manuscript under review)
2. Urama, K. C., and Ozor N., (2011) Agricultural Innovations for Climate Change Adaptation and Food Security in Western and Central Africa. *AgroScience Journal*. (In Press).
3. Ozor, N., and Nnaji Cynthia (2011) The Role of Extension in Agricultural Adaptation to Climate Change in Enugu State, Nigeria. *Journal of Agricultural Extension and Rural Development*; Vol. 3(3): 42-50.
<http://academicjournals.org/jaerd/PDF/Pdf%202011/Mar/Ozor%20and%20Nnaji.pdf>

ATPS Research Paper Series:

1. Farauta, B. Chukwudumebi, L. E., Idrisa, Y. L, and Agu, V. C. (2011) Farmers' Perceptions of Climate Change and Adaptation Strategies in Northern Nigeria: An Empirical Assessment
<http://www.atpsnet.org/Files/rps15.pdf>

Technopolicy Briefs:

1. Enete A.A, Madu I.I, Mojekwu J.C, Onyekuru A.N, Onwubuya E.A and Eze F (2011) Indigenous Agricultural Adaptation to Climate Change: Study of Southeast Nigeria
<http://www.atpsnet.org/Files/pb25.pdf>
2. Morlai T. A, Squire B.C, Mansaray K.G and Vandy G. (2011) Goals of Sustainable Agriculture in Sierra Leone: Can they be achieved in the Absence of Climate Change Capacity Building of Small-holder Farmers?
<http://www.atpsnet.org/Files/pb26.pdf>
3. Dauda T.O, Rikko L.S, George F.O.A, Fashola O.S, Atungwu J. J, Iposu S. O, Shobowale A. O and Osuntade O. B (2011) Emerging and Indigenous Technologies for Climate Change Adaptation in the Farming Systems of Southwest Nigeria: Issues for Policy Action
<http://www.atpsnet.org/Files/pb27.pdf>
4. Nzeadibe C.T, Chukwudumebi L.E, Nnaemeka A.C and Agu C.V (2011) What Policy Options can Promote Climate Change Awareness and Adaptation in Niger Delta Region of Nigeria?
<http://www.atpsnet.org/Files/pb28.pdf>
5. Agwu E. A, Chukwudumebi L.E, Amadu F.O, Morlai T, Wollor T.E and Cegbe L.W (2011) What Policy Options can Promote Agricultural Innovations for Climate Change Adaptation and Food Security in the West African Sub-region?
<http://www.atpsnet.org/Files/pb29.pdf>
6. Agbeve M.S. (2011). Harnessing Wind Energy for Climate Change Adaptation and Food Security in Coastal Regions of Ghana: A Policy Perspective
<http://www.atpsnet.org/Files/pb30.pdf>
7. Yousry, H and Samra, M (2011) Sensitizing and Building the Capacity of Women towards Climate Change Consequences in Northern Lakes of Egypt
<http://www.atpsnet.org/Files/pb33.pdf>



Multimedia Publications:

1. TV Talk on Nanotechnologies for Technologies Nation TV 2011
http://www.youtube.com/watch?v=IWt9sbm8_O0&list=UUnvdzdU0aCoVpLDxwSuftZQ&index=3&feature=plpp_video
2. TV Talk on Linking Research to Policy and Practice KTN TV 2011
http://www.youtube.com/watch?v=0a-9NJvsbzc&list=UUnvdzdU0aCoVpLDxwSuftZQ&index=10&feature=plpp_video
http://www.youtube.com/watch?v=Htfd2Xzsers&list=UUnvdzdU0aCoVpLDxwSuftZQ&index=9&feature=plpp_video
3. TV Talk on Drought Mitigation KTN TV 2011
http://www.youtube.com/watch?v=NKzBuuQPUns&list=UUnvdzdU0aCoVpLDxwSuftZQ&index=8&feature=plpp_video
4. Radio talk on GMOs Metro FM 2011
http://www.atpsnet.org/Media/Urama_Ozor_GMO_Talk.mp3
5. Radio talk on Scientific Revival Day in Africa Metro FM 2011

Press releases:

1. Update on the recently concluded ATPS Conference on linking Research to Policy and practice
http://www.atpsnet.org/media_centre/focus/ac2011/index.php
2. Sciences, Ethics and Technological Responsibilities in Developing and Emerging Countries: Implementation of the African Manifesto for Science, Technology and Innovation
3. ATPS holds a Side Event at COP 17 in Durban, South Africa. http://www.atpsnet.org/media_centre/focus/atps-at-cop-17/index.php
4. Programme and Book of Abstracts for the 2011 ATPS Annual Conference http://www.atpsnet.org/media_centre/focus/2011-annual-conference/index.php
5. ATPS Signs a MoU with the Economic Commission for Africa on collaboration in the development and implementation of Africa Climate Policy Centre's. http://www.atpsnet.org/media_centre/focus/atps-eca-mou/index.php
6. The IP coordinating team visits Zimbabwe http://www.atpsnet.org/media_centre/focus/zimbabwe-ip-visit/index.php
7. Lesotho Chapter's Scientific Revival Day Set for 30th August 2011 http://www.atpsnet.org/media_centre/focus/atps-lesotho-srd/index.php
8. ATPS Chapters plan activities for the 2011 Scientific Revival Day http://www.atpsnet.org/media_centre/focus/srd-2011/index.php
9. ATPS Participates in a Consultative Conference on Southern Voices in the Northern Policy Debate http://www.atpsnet.org/media_centre/focus/southernvoices/index.php
10. ATPS Nigeria Chapter to commemorate the Scientific Revival Day of Africa, 2011 http://www.atpsnet.org/media_centre/focus/srda2011/index.php
11. The Final Newsletter under the SETDEV process is published. http://www.atpsnet.org/media_centre/focus/setdev-final-newsletter/index.php
12. Implementation of the African Manifesto for Science, Technology and Innovation - A Breakfast Roundtable with Stakeholders & SETDEV Final Outputs' Workshop http://www.atpsnet.org/media_centre/focus/setdev-breakfast-roundtable/index.php
13. Nigeria Launches Another High-Tech Communication Satellite in Xichang, China http://www.atpsnet.org/media_centre/news/article.php?article=85



14. ATPS Collaborates with Maastricht University to host a workshop on Nanotechnologies for Kenya's Development http://www.atpsnet.org/media_centre/news/article.php?article=82
15. ATPS Collaborates with UNESCO to provide training in Science, Technology and Innovation Policy Formulation and Implementation for Sustainable Development in East Africa http://www.atpsnet.org/media_centre/news/article.php?article=75
16. ATPS Mid Term Evaluation Questionnaire – Appreciation http://www.atpsnet.org/media_centre/news/article.php?article=74
17. ATPS Signs a MoU with the Economic Commission for Africa on collaboration in the development and implementation of Africa Climate Policy Centre's. http://www.atpsnet.org/media_centre/news_archive/article.php?article=73
18. Notice to stakeholders on the ongoing ATPS Evaluation http://www.atpsnet.org/media_centre/news_archive/article.php?article=72

Conference Papers and Keynote presentations

1. Urama, K.C., (2011) Introductory Concepts of Science, Technology and Innovation. Presentation made at the ATPS/UNESCO Capacity Building Workshop in STI Policy Formulation and Implementation for Sustainable Development in East Africa, 31 October – 01November 2011, Nairobi, Kenya
2. Urama, K.C., (2011) The State of STI Environment in Africa: Imperatives for Successful Policy Development. Presentation made at the ATPS/UNESCO Capacity Building Workshop in STI Policy Formulation and Implementation for Sustainable Development in East Africa, 31 October – 01November 2011, Nairobi, Kenya
3. Urama, K. C., and Mbo'o, M., K (2011) overview of necessary tools and key steps to ensure a successful STI policy formulation. Presentation made at the ATPS/UNESCO Capacity Building Workshop in STI Policy Formulation and Implementation for Sustainable Development in East Africa, 31 October – 01November 2011, Nairobi, Kenya
4. Ozor, N., (2011) Institutional Arrangements for Successful STI Policymaking: Key Issues to Consider. Presentation made at the ATPS/UNESCO Capacity Building Workshop in STI Policy Formulation and Implementation for Sustainable Development in East Africa, 31 October – 01November 2011, Nairobi, Kenya
5. Bolo, M.B., (2011) Public Engagement in STI Policy Formulation & Policy Implementation. Presentation made at the ATPS/UNESCO Capacity Building Workshop in STI Policy Formulation and Implementation for Sustainable Development in East Africa, 31 October – 01November 2011, Nairobi, Kenya
6. Ozor, N., and Acheampong, E., (2011) Participatory Monitoring and Evaluation – The Key to Effective Policy Implementation. Presentation made at the ATPS/UNESCO Capacity Building Workshop in STI Policy Formulation and Implementation for Sustainable Development in East Africa, 31 October – 01November 2011, Nairobi, Kenya
7. Urama, K. C., (2011) Monitoring Policy Instruments on Science, Technology and Innovation around the World. Presentation made at the UNESCO conference on Towards a Global Observatory of Policy Instruments on Science, Technology and Innovation (GO-SPIN), 19-20 October 2011 Paris, France.
8. Urama, K. C., et al (2011) Conceptualising of Low Carbon Development in the Context of Africa. Presentation made at the first Climate Change and Development in Africa (CCDA-I) Conference, 17 – 19 October 2011, Addis Ababa, Ethiopia
9. Urama, K. C., Mulugetta, Y., Okereke, C., Sokona, Y. (2011) Low Carbon Development: Opportunities and Challenges in Africa. Invited paper presented at the first Climate Change and Development in Africa (CCDA-I) Conference, 17 – 19 October 2011, Addis Ababa, Ethiopia
10. Urama, K. C., Bolo, M, and Ozor, N. (2011) Science, Technology and Innovations and Human Livelihoods, presentation made at the National Council of Science and Technology Annual Conference, 3-6 May 2011, Nairobi, Kenya
11. Mwangi, W. (2011). African Manifesto for Science, Technology and Innovation and Case Study on Socialisation of STI in Kenya and Lessons Learned on 2- 3 May 2011, Brussels, Belgium
12. Ozor, N. (2011) The Biennial Science, Technology and Innovation (STI) in Africa Report. Paper presented at the SETDEV Workshop and ATPS Retreat at Hilton Hotel, Nairobi from 28-30 April 2011.



13. Mwangi, W. (2011). African Manifesto for Science, Technology and Innovation and Case Study on Socialisation of STI in Kenya and Lessons Learned on 28 – 29 March 2011 in Hyderabad, India
14. Ozor, N. and Urama K. (2011) Linking Science and Technology Research to Policy and Practice: Issues and the Role of African Governments. Paper presented at the workshop on Strengthening Linkage between Policy Research and Policymaking for African Development held at the Sarova Whitesands Hotel, Mombasa, Kenya from 16-18 February 2011.
15. Ozor, N. (2011) The Need for Inclusion of Climate Change Issues in the Curricula of Universities. Paper Presented at the Inaugural Workshop and Sensitization of Stakeholders on Building Transdisciplinary Climate Change Adaptation Capacity at the University of Nigeria Nsukka held on 16 March 2011 at Princess Alexandra Auditorium University of Nigeria, Nsukka.
16. Urama, K. C. (2011) Exchanging knowledge on Climate Change Impacts and Vulnerability in Africa; The role of networking - Developing an Integrated Collaborative Environment (ICE), presentation made at the TWAS-ROSSA Young Scientists' Conference organized by the African Academy of Sciences, 26-27 February 2011, Nairobi Kenya
17. Mwangi, W. (2011) Plant Genetic Resources for Food and Agriculture (PGRFA), presentation made for the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA), 06 - 08, January 2011, Chennai, India.

Other publications

1. Urama, K. C., Ozor, M., Akenga, N. (2011), "About ATPS Flyer" (Revised ed.) http://www.atpsnet.org/Files/About_ATPS.pdf

Literature acquisition, referral services

ATPS continued its subscriptions to online journals in 2011 through the SAGE platform, which is among the leading academic and professional publishers in the world. The sage subscriptions include the following:

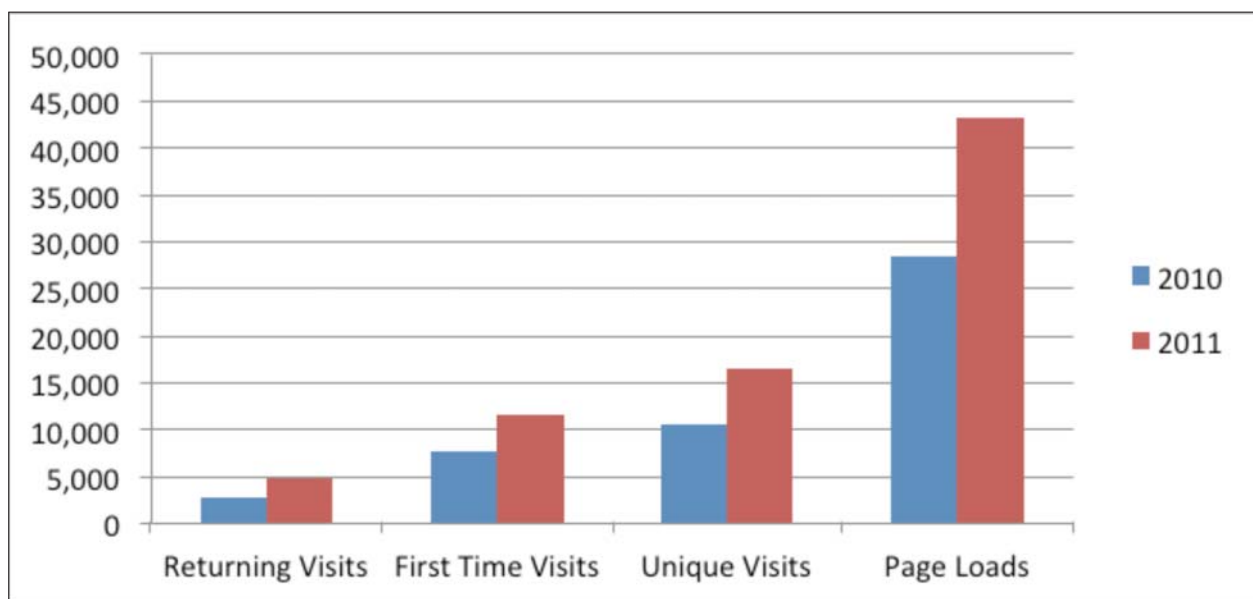
- a) Science, Technology and Society
- b) Public understanding of Science
- c) Progress in Developmental Studies
- d) International Journal of Rural Management
- e) Margin – The Journal of Applied Economic Research
- f) Journal of Environment and development
- g) Journal of Education for Sustainable Development
- h) Journal of Asian and African Studies
- i) Gender, Technology and Development
- j) Bulletin of Science, Technology and Society
- k) Action Research

These are accessible through the ATPS website at <http://www.atpsnet.org/publications/online/index.php>.

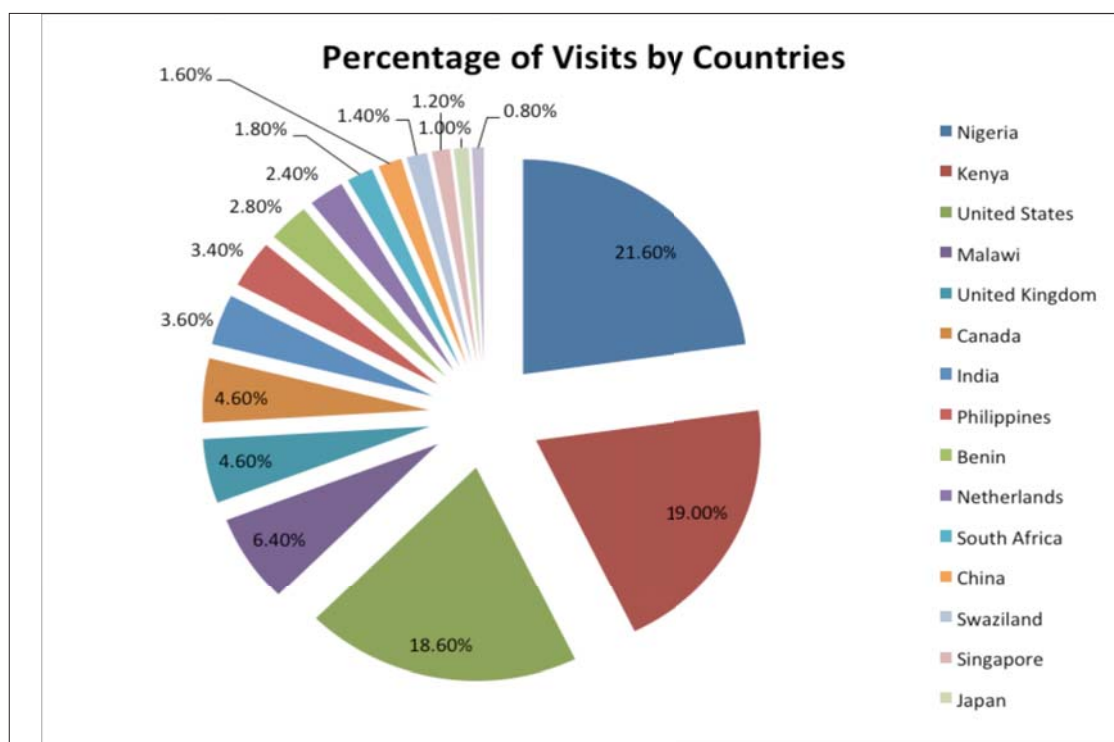
Subscription to JSTOR was also renewed in 2011, with ATPS receiving free access to JSTOR journals through the year as part of JSTOR's Africa Access initiative. The full list available to ATPS via JSTOR is available at <http://about.jstor.org/content-collections/journals>

Website Hosting

The ATPS website, <http://www.atpsnet.org> has continued to receive increased visit since its launch in 2010. In 2011, the website received a total of 43,214 page loads compared to 28,448 in 2010, representing a 52% increase. The total number of visitors to the website in 2011 stood at 16, 576 compared to 10,549 in 2010. The number of new visitors to the site was 11,664 while that of returning visitors was 4,912 compared to 2,758 in 2010, representing a 78% increase. The following is a summary of the website statistics:



In activity by countries, Nigeria was the most active African country, followed by Kenya and Malawi while the United States was the most active non-African country followed by the UK and Canada.



During the year, focus on the ATPS Social Media pages was enhanced with a view of improving subscriptions to the pages. This saw an increase in the number of views of videos of ATPS activities posted on the ATPS YouTube page (<http://www.youtube.com/user/atpsnetwork>) to five hundred and the number of people who liked the ATPS Facebook page (<https://www.facebook.com/atpsnet>) grew to 80 while the Twitter handle (<http://twitter.com/ATP-SNETWORK>) attracted 75 followers.

Through the ATPS website membership registration form, we received up to 810 registrations for ATPS membership with Kenya producing the highest number of registered members at 203 followed by Nigeria at 182 and Ghana at 68. The diaspora chapters had a total of 45 members while Rwanda led in numbers amongst the new chapters at 25 members.



Outreach, Knowledge Brokerage and Policy Advocacy

Science, Technology and Innovations
for African Development

Outreach, Knowledge Brokerage and Policy Advocacy



ATPS National Chapter Coordinators at the Coordinator's retreat

Strengthening and Expansion of National Chapters

Activities under this objective including the ongoing support to ATPS National Chapters and efforts to launch new chapters are under implementation and will continue throughout the year. At the National Chapter Coordinators' retreat with the Secretariat held from 28-30 April 2011, the new chapters/ focal points – Egypt, Rwanda, Sudan, UK and USA were oriented on their roles as ATPS chapters in a forum that was also attended by the veteran chapters. Representatives from other dormant chapters namely Ethiopia, Liberia, Lesotho and Zambia also benefited from this opportunity and received useful insights on how to revamp the chapters.

As collectively agreed at the retreat, nine (9) chapters have received seed grants to help them initiate the preliminary requirements such as chapter registration, recruitment and induction of members within the chapters as well as institutionalization of chapters in relevant government agencies. The chapters that benefited from

the seed grants are Egypt, Ethiopia, Liberia, Rwanda, Sudan, South Africa, UK, USA and Zambia. Other weaker chapters such as Benin, Botswana, Burkina Faso, Mali, Mozambique, Sierra Leone and Zimbabwe are also being considered for seed grants to revitalize them. It was also agreed that all the national chapter coordinators (old and new) would receive appointment contracts clearly indicating their tenure and terms of reference, in line with the ATPS Articles of Association.

A follow up meeting was held on 07 November 2011 in Mombasa, Kenya where the coordinators revisited some of the issues discussed at the April meeting. They provided updates on activities within their respective chapters such which included an update on membership in the specific chapters.

Knowledge Brokerage Programmes

Regional roundtable meetings

These are intended to further support awareness and sensitization as well as information sharing and policy



advocacy. These meetings were to be implemented during the reporting period, however due to the delay in publication of needed materials, it was postponed to the second quarter in 2012.

The roundtable meetings are targeted at key policy makers in areas of Traditional Knowledge Access and Benefit Sharing, classic IP, offices of policy making such as national science technology offices policy related NGOs such as ACODE in Uganda, politicians etc. For them initiate policies and legal framework, materials such as policy briefs and study reports which are currently in press will form good background information for them.

National roundtable workshops

This is one of the activities under the creation of awareness in the target countries in the IP programme. As a precursor to the national round table meetings, the TOT workshop held in November 2011 adequately equipped the trainees with resource expertise for creation of awareness. The curriculum and training manuals are now available and the national chapter coordinators were advised to include the national roundtable workshops in their work-plans for the year 2012. The IP team will follow up and coordinate the workshops during the 2nd quarter of 2012.

Technical Support, Network Management and Coordination

Board Meetings

During the reporting period, the 19th and 20th ATPS Board Meetings were convened on 07 July 2011 in Nai-

robi and 11 November 2011 in Mombasa, Kenya respectively. This period saw the change in Chairmanship of the ATPS Board. Prof. Shaukat Abdulrazak was elected at the Chair of the ATPS Board by the 19th ATPS Board. In line with the ATPS Articles of Association, the immediate former Chair, Prof. Samuel Wangwe handed over to the Chair-elect at the 20th Board meeting held in Mombasa, Kenya on 11th November, 2011. Together with other members including Prof. Oliver Saasa, Prof. Oyebanji Oyelarana Oyeyinka, and Mr. Akosi Benjo, the former Chair (Prof Samuel Wangwe) retired from the Board at the same meeting.

These transitions in leadership and membership of the ATPS Board were formerly ratified by the ATPS Annual General Meeting held in the same venue on the same day. As usual, the Board Members continued to provide the ATPS Network with strategic guidance during the reporting period and for the year ahead.

Program Management (Secretariat Management Coordination/National Chapter meetings, communication and travels)

Monitoring and Evaluation

ATPS 2009 Audit – March 2011

The ATPS annual audit was carried out in accordance to International Standards of Auditing by Deloitte and Touché in March 2011. The audit included examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made



Former Chair of ATPS Board, Prof. Samuel Wangwe hands over to Chair Elect Prof. Shaukat Abdulrazak at the 20th ATPS Board meeting 11 November 2011



Chair of the ATPS Board, Prof. Shaukat Abdulrazak addresses the 2011 ATPS Annual General Meeting

and evaluating the overall financial statement presentation. In their opinion, the independent auditors (Deloitte and Touche) found the financial statements for 2010 reflecting a true and fair view of the state of affairs of the organization as at 31 December 2010. The report also noted that ATPS abided by Kenyan law during the reporting period.

Special Audit for ATPS Phase VI Strategic Plan Grant (2009 – 2012)

Deloitte and Touché carried a program Audit on the ATPS Phase VI Strategic Plan (2009 – 2012), in accordance with requirements as specified in the Decision for Activity No. 17390-DCO0107603 issued by Netherlands Directorate-General of Development Cooperation (DGIS). The Auditors carried out tests on selected transactions and records to determine the ATPS compliance with terms of the program grant agreement, laws, regulations, contract binding policies and procedures. According to the Auditors the ATPS complied in all material aspects with the obligations imposed by the grant in respect to the items tested.

Special Audit for UniBRAIN Grant (January 2010 – December 2010)

Deloitte and Touché also carried a program Audit on the UniBRAIN project for the year ended 31 December 2010. The audit was carried out in accordance with the terms of reference given by the Danish Ministry of Foreign

Affairs' general guidelines for accounting and auditing grants channeled through governmental, Parastatal and international organizations, the Generally Accepted Auditing Standards and any other relevant regulations in order to provide an independent and professional opinion on the financial results and management of the UniBRAIN project and organisation, the ATPS accounting systems, internal control systems and procedures as well as the financial statements. The Auditors performed tests to determine whether the ATPS complied, in all material respects, with agreement terms and applicable laws and regulations.

According to the Auditors report there were no instances of noncompliance by ATPS to the agreement terms, laws and regulations, contracts, binding policies and procedures. The UniBRAIN financial report also represents fairly in all material respects, program revenues and costs incurred and reimbursed for the year then ended in accordance with the terms of the agreements and in conformity with the basis of accounting.

ATPS Annual General Meeting (AGM)

In compliance with the ATPS Articles of Association, the 2011 ATPS Annual General Meeting was held in Mombasa, Kenya immediately following the Annual Conference on 11th November, 2011. Duly registered members of the ATPS attended the meeting where they audited technical and financial reports of the ATPS Secretariat for 2011 as well as the work plan accordingly.



External Evaluator, Prof. Chris Garforth present draft evaluation report to ATPS 2011 AGM

Regional Council members and National Chapter Coordinators also presented reports on their activities, respectively. In addition to the AGM proceedings, members also reviewed and ratified the draft report of the ATPS Phase VI Strategic Plan Evaluation Report at the 2011 AGM. Members also welcomed the change in leadership of the ATPS Board expressing great confidence in the future of the Network under the new leadership of the Board.

External Evaluation

The ATPS External Evaluation was commissioned in May 2011, following extensive consultations with DGIS on the Terms of Reference and the evaluation timelines. The overall objective of the external evaluation was to assess the effectiveness and efficiency of the implementation activities of the ATPS Phase VI Strategic Plan for the period 01 January 2009 – 31 December 2010 and ATPS' compliance with the general Terms of Reference and conditions of the Decision of 16 February 2009, Activity No. 17390-DCO0107603 (REF: DCO/OC-042/09) and other generally applicable laws and regulations in Kenya.

To ensure a transparent and independent evaluation process, the 19th ATPS Board approved the commissioning of two independent external evaluators to conduct the evaluation. The Lead External

Evaluator, Prof. Vincent C. Anigbogu is a science, technology and governance expert and is assisted by Prof. Christopher James Garforth an international expert in institutional and rural development. Both evaluators have longstanding international expertise in institutional and project evaluation/quality management.

The draft findings of the evaluation exercise were presented to the 20th ATPS Board Meeting as well as ATPS Members at the 2011 Annual General Meeting held on 11 November 2011 in Mombasa, Kenya, for discussion and clarification respectively. The report will be published in 2012 and the ATPS is already working with stakeholders to address the recommendation therein.

Conclusion

There have been no significant deviations in the implementation of thematic research activities approved for the year 2011 during the reporting period. A detailed log frame indicating the status of implementation of programs during the period as per the approved work plan and budgets is provided as Appendix 1.

Most of the activities under the 2011 ATPS work plan and budgets for the year as approved by the Board have been implemented or are in advanced stages of implementation.



APPENDIX

Appendix 1 – Logframe indicating status of implementation of programs during the reporting period

Strategic Objectives	Outcomes	Planned Activities- January -December 2011	Activities	Expected time Frame	Status of activities
A. Research, Research Capacity Building & Knowledge Generation	A) Improved ability of African researchers to engage in high-quality peer reviewed ST&I policy research for African development	A.1 Regional Research Projects	A.1.1 Support implementation of 3 regional studies commissioned in 2010 on Agricultural Innovations and Emerging Technologies for Climate Change Adaptation and Food Security in Africa, targeting countries in Western Africa (Anglophone) & Central Africa (Francophone) regions.	Ongoing through year	Research studies completed Publications are various stages of completion
			A.1.1 Support implementation of one ongoing regional study on Traditional Knowledge Systems and Increasing Access to Benefit Sharing of Intellectual property (IP) in Africa, targeting Eastern Africa and the SADC countries commissioned in 2010	Ongoing through year	On going
			A.1.2 Commission National Case Studies on Traditional Knowledge Systems and Increasing Access to Benefit Sharing of Intellectual property (IP) in Africa, targeting Eastern Africa and the SADC countries in Mozambique and Swaziland	Feb-11	Proposals received from Swaziland to be commissioned in 2012 Due to non-response, Mozambique was replaced by Zimbabwe which has also submitted a proposal to be commissioned in 2012
	B) Enhanced understanding of ST&I research and policy processes in Africa; and		A.1.3 Support implementation of 6 ongoing National Case Studies on Traditional Knowledge Systems and Increasing Access to Benefit Sharing of Intellectual property (IP) in Africa, targeting Eastern Africa and the SADC countries. Studies commissioned in 2010 in Kenya (1), Uganda (1), Tanzania (1), Ethiopia (1), Lesotho (1), and Malawi (1).	Ongoing through year	Studies completed in Kenya, Lesotho, Tanzania and Ethiopia. Publications in press Study in Uganda Study stalled in Malawi due to change in PI
		A.2 Small Research Grants	A.2.1 Commission new Small Grant Case Studies on 1. Health Innovations program 2. Science, Technology and Innovations Governance	Ongoing through year	Draft concept note for the Health Innovations program under review.
	C) Improved ability to formulate and implement innovative ST&I policies in Africa.	A.3 International collaborative Research	1A.3.1 Collaboration with FARA, ANAFE and Pan-AAC on Training and sensitisation on Agricultural Innovation and Agribusiness Incubation - Universities, Business and Research in Agricultural Innovation UNIBrain initiative.	2Ongoing through the year[4]	Challenges experienced in program implementation leading to ATPS' withdrawal from the programme
			3A.3.2 Continued collaboration with SET-DEV partners to draft an African Manifesto for STI and a handbook on STI in Kenya	Ongoing through the year	Project completed successfully
			1A.3.3 Collaborate with University of Nigeria (UNN) to build and up-scale the capacity for research, teaching, learning and outreach services in climate change adaptation within the UNN		Ongoing
			A.3.4 Host 2 African PhD students and support an Indian and a Dutch PhD student and a Dutch Post-Doctoral Fellow on Nanotechnologies for Development in India, Kenya and the Netherlands: Towards a Framework for Democratic Governance of Risks in Developing Countries, in collaboration with Maastricht University and the University of Hyderabad and conduct a case study on governance of nanotechnologies	Ongoing through year	Ongoing Workshop held from 12 – 13 December 2011 in Nairobi, Kenya
			2A.3.5 Collaborate with University College London (UCL), Zoological Society of London (ZSL), International Livestock Research Institute (ILRI) on a Biodiversity, Ecosystem Services, Social Sustainability And Tipping Points In African DrylandS project	June 2011	Ongoing Workshop scheduled for 14 February 2012 in Nairobi, Kenya
		A.4 National Chapters/ Institutional Support	A.4.1. Support the National Coordinating Centres undertaking studies on Traditional Knowledge Systems and Increasing Access to Benefit Sharing of Intellectual Property (IP) in Africa, targeting Eastern Africa and the SADC countries (Kenya, Uganda, Tanzania, Ethiopia, Swaziland, Lesotho, Malawi and Mozambique).	Ongoing through the year	Ongoing
			A.4.2. Support the New ATPS National Chapters and focal points	June-11	Ongoing – seed grants issued to new chapters/focal points



Strategic Objectives	Outcomes	Planned Activities-January -December 2011	Activities	Expected time Frame	Status of activities
B. International Cooperation And Partnership	<p>A) Better regional integration and the identification and prioritization of common research areas of mutual interest to African countries</p> <p>B) Enhanced uptake and use of common identified research MDGs in Africa; and outcomes, technologies and innovations for addressing the MDGs in Africa; and</p> <p>C) Increased partnerships amongst African S&T institutions, government ministries, and civil society and with like-minded organizations globally.</p>	B.1 International Round Table Discussion Forums-	B.1.1/B.2.1 Conduct Trainer of Trainers (ToTs) programmes, roundtables, workshops, publications, etc to promote awareness on intellectual property at grassroots levels in the Eastern Africa and the SADC countries	Ongoing through the year	ToT workshop held in November 2011 Regional and national roundtables to be implemented in 2012
			B.1.2 Conduct a 3-day workshop to engage scientists, policy-makers, science journalists and policy research advisors in brainstorming, discussing and prioritizing innovative ideas on strategically addressing the science-policy divide.	16 – 18 February 2011	Completed Report published
		B.2 Joint Participatory Dialogue on STI Policy issues	B.2.2 Training on Linking research to policy and practice Activity to be combined with D.2.1 and B.3.1	Nov 2011	Completed
		B.3 International Conferences & Workshops	B.3.1 ATPS annual international conference and workshops / Training of National Chapters	Nov 2011	Completed
			B.3.2 Annual regional meeting under the program: <i>Strengthening National IP Policy and legal framework in Eastern and Southern Africa: Traditional Knowledge (TK) Access and Benefit Sharing (ABS) and Effective IP Systems</i> Activity to be combined with B.3.1	Nov 2011	Completed
C. Youth And Gender Empowerment	<p>A) Enhanced skills/ capacities in agriculture, ST&I research and policy advocacy amongst Africa Youths and women;</p> <p>B) Increased youth/ women participation in ST&I research projects and other innovative and productive interventions at local, regional and national levels;</p> <p>C) A functioning networking platform, forum [online and offline] in which the youth/women can exchange opinions; and increased awareness among the youth/women on inter-related policy issues in agriculture, science and technology and the need for multi-disciplinary approaches in ST&I research and policy making;</p>	C.1 African Youth Forum for Science and Technology (AYFST)	C.1.1 Award grants to winning proposals on STI relevant subjects under the AYFST / YICAN program with a specific focus on Innovation Incubation for Climate Change adaptation and mitigation, Agricultural innovations; Poverty Alleviation and Entrepreneurship programs	Jan -11	15 Grants commissioned – at advanced stages of implementation
			C.1.2 Support implementation of the commissioned grants on STI relevant subjects under the AYFST / YICAN program with a specific focus on Innovation Incubation for Climate Change adaptation and mitigation, Agricultural innovations; Poverty Alleviation and Entrepreneurship programs	Ongoing through the year	Ongoing
			C.1.3 Strengthen collaboration with UNECA & AU on mainstreaming youth in ST&I governance in AFRICA	June-11	Completed
			C.1.4 Publish a book volume on Innovations for Climate Change Adaptation and Mitigation in Africa based on outcomes of the competition and other research	Nov 2011	To be implemented upon completion of studies in 2 nd quarter of 2012
			C.1.5 Support to ATPS Youth Internships and Post-Doctoral Summer Placement Program	Ongoing through the year	Seven interns engaged More to be engaged during the year and in 2012
		C.2 African Women Forum for Science and Technology (AWFST)	C.2.1 Award grants to winning proposals on STI relevant subjects under the AWFST / WECAN program with a specific focus on Innovation Incubation for Climate Change adaptation and mitigation, Agricultural innovations; Poverty Alleviation and Entrepreneurship programs	Jan -11	9 Grants commissioned
			C.2.2 Support implementation of the commissioned grants on STI relevant subjects under the AWFST / WECAN program with a specific focus on Innovation Incubation for Climate Change adaptation and mitigation, Agricultural innovations; Poverty Alleviation and Entrepreneurship programs	Ongoing through the year	Ongoing
			C.2.3. Strengthen collaboration with UNECA & AU on mainstreaming women in ST&I governance in AFRICA	Jun-11	Ongoing
			C.2.4 Publish a book volume on Innovations for Climate Change Adaptation and Mitigation in Africa based on outcomes of the competition and other research	March-11	Ongoing (combined with C.1.4)



Strategic Objectives	Outcomes	Planned Activities- January -December 2011	Activities	Expected time Frame	Status of activities
D. Training and Sensitization	A) Enhanced dissemination of ST&I policy research to policymakers and to stakeholders at the grassroots through the fourth estate	D.1 Building S&T Constituencies/ Popularization of S&T	D.1.1. Organise in-country activities to commemorate the scientific revival day of Africa in the ATPS chapter countries.	Jun-11	8 chapters to received grants of US\$ 5,000 each to implement SRDA activities (Benin, Ghana, Kenya, Lesotho, Malawi, Nigeria, Uganda, & Zimbabwe)
		D.2 Parliamentary Round Tables on STI Policy Briefings	D.2.1 Conduct a Parliamentary Roundtable on Role of STI in Africa: Implications for Millennium Development Goals (MDGs)	Oct-11	Training workshop implemented in collaboration with UNESCO in from October 31 – 01 November 2011 Roundtable held on 9 th November 2011 during the ATPS Annual Conference
	B) Build capacity of journalists, artists and policy makers to communicate and use ST&I policy research.		D.2.2 Conduct Trainer of Trainers (ToTs) programmes, roundtables, workshops, publications, etc to promote awareness on intellectual property at grassroots levels in the Eastern Africa and the SADC countries	Combined with B.1.1	Completed
	C) Appreciation and apt use of ST&I policy in African development.	D.4 National Chapters Training Workshops	D.4.1 Organise training for ATPS National coordinators Combine activity with B.3.1	Nov-11	Completed
		D.5 Staff Training	D.5.1 Support staff training	Ongoing through the year	Ongoing
E. Science Communications and Stakeholder Dialogue	A) Better appreciation of ST&I policy research by science journalists, policy makers and artists; B) ATPS Techno policy briefs derived from the research finding C) Strengthened partnerships between researchers and policy makers in the ST&I policy process;	E.1 ATPS Multi-Media Publications & Websites	E.1.1 Support ATPS publications series	Ongoing through the year	Ongoing
			E.1.2 Continuous development of the interactive ATPS website and other subsidiary websites such as the IP program, and national chapters	Ongoing through the year	Ongoing
			E.1.3 Commission contributions to the biennial publications on the state of STI in Africa	Ongoing through the year	Ongoing
			E.1.4 Publish popular articles, flyers, etc for popularisation of STI at the grassroots levels	Ongoing through the year	Ongoing
	D) Sensitized leaders/ policy makers on their leadership roles in promoting ST&I-led development;	E.4 Literature acquisition, referral services	E.4.1 Subscription to international journals, Magazines, reports, newspapers, and literature acquisition, etc	Ongoing through year	Ongoing
	E) Stronger existing ATPS chapter through training, and establishment of offices, etc; F) Minimum of six policy briefs addressing MDG related ST&I policy issues published.	E.5 Website Hosting	E.5.1. Hosting the ATPS website and other subsidiary websites: re-designed to include better knowledge circulation facilities, blogs, twitters, knowledge boards, and multiple languages (French, English, and Arabic).	Ongoing through year	Ongoing
			E.5.2 Update and host a website for the Nanotech. for Development project in liaison with Maastricht University, Netherlands & University of Hyderabad, India	Ongoing through year	Ongoing



Strategic Objectives	Outcomes	Planned Activities- January -December 2011	Activities	Expected time Frame	Status of activities
F. Outreach, Knowledge Brokerage And Policy Advocacy		F.1 Strengthening and Expansion of National Chapters	F.1.1 Support to ATPS National Chapters. Launch of a new Chapter Focal Points in Rwanda, Madagascar, and Tunisia. Strengthen links with State institutions in Africa (AU, NEPAD, and other regional bodies)	Ongoing through year	9 chapters received seed grants (Egypt, Ethiopia, Liberia, Rwanda, Sudan, South Africa, UK, USA and Zambia)
		F.2 Knowledge Brokerage Programmes	F.2.1 Organise National workshops on Traditional Knowledge Systems and Increasing Access to Benefit Sharing of Intellectual Property (IP) in Africa focusing on Eastern Africa and the SADC countries (Kenya, Uganda, Tanzania, Ethiopia, Swaziland, Lesotho, Malawi and Mozambique) to launch the national networks & National steering committees under the ATPS Intellectual Property program	Ongoing through year	Ongoing
			F.2.2 Organize science cafes and School programs on selected STI policy issues	Starting Jan, 2011	Ongoing
G. Technical Support (Program Activities A - F)		G.1. Network Consultants	G.1.1 Commission Network Consultants to supervise and provide technical support to ongoing regional and small grants case studies	Ongoing through year	Ongoing
		G.2. Staff Travel/ Program Supervision	G.3.1 Support staff travels for network management, knowledge circulation and knowledge valorisation activities.	Ongoing through year	Ongoing
G1. Technical Support (Network Management/ Coordination)		G1.1. Board Meetings	G1.1.1 Conduct Board meetings in June and November 2011	Jun/Jul 2011 and Nov/Dec 2011	Board meeting held on 11 November 2011 Board meeting held on 07 July 2011
		G1.2 Program Management (Secretariat management coordination/National chapter meetings, communication and travels)	G1.2.1 Program Management , Monitoring and evaluation		Ongoing
H-External Evaluation of ATPS		Evaluation by DGIS- 01 Jan 09 to 31 Dec 2010		December 2011	Final mid-term evaluation report is in press



Appendix 2 – Financial Statements



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INDEPENDENT AUDITORS' REPORT TO THE DIRECTORS OF AFRICAN TECHNOLOGY POLICY STUDIES NETWORK (ATPS)

Report on the financial statements

We have audited the accompanying financial statements of African Technology Policy Studies Network (ATPS), set out on pages 22 to 36 which comprise the statement of financial position as at 31 December 2011, and the statement of comprehensive income, statement of changes in funds and statement of cash flows for the year then ended, and a summary of significant accounting policies and other explanatory notes.

Directors' Responsibility for the Financial Statements

The directors are responsible for the preparation of financial statements that give a true and fair view in accordance with International Financial Reporting Standards for Small and Medium-sized Entities and the requirements of the Kenyan Companies Act, and for such internal controls as directors determine are necessary to enable the preparation of financial statements that are free from material misstatements, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with International Standards on Auditing. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on our judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, we considered the internal controls relevant to the company's preparation of financial statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the company's internal controls. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by the directors, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion the accompanying financial statements give a true and fair view of the state of financial affairs of the company as at 31 December 2011 and of its surplus and cash flows for the year then ended in accordance with International Financial Reporting Standards for Small and Medium-sized Entities and the requirements of the Kenyan Companies Act.



INDEPENDENT AUDITORS' REPORT ON THE FINANCIAL STATEMENTS OF AFRICAN TECHNOLOGY POLICY STUDIES NETWORK (ATPS) (Continued)

Report on Other Legal Requirements

As required by the Kenyan Companies Act we report to you, based on our audit, that:

- i) we have obtained all the information and explanations which, to the best of our knowledge and belief were considered necessary for the purposes of our audit;
- ii) in our opinion, proper books of account have been kept by the company, so far as appears from our examination of those books; and
- iii) the company's statement of financial position and statement of comprehensive income are in agreement with the books of account.

Deloitte & Touche

Certified Public Accountants (Kenya)

21 June 2012

Nairobi



AFRICAN TECHNOLOGY POLICY STUDIES NETWORK (ATPS)
(A COMPANY LIMITED BY GUARANTEE)

STATEMENT OF COMPREHENSIVE INCOME
FOR THE YEAR ENDED 31 DECEMBER 2011

	Note	2011 US\$	2010 US\$
INCOME	3	1,854,300	2,163,144
EXPENDITURE			
Project expenditure	4	(1,668,993)	(2,001,440)
General administration	4	(166,751)	(147,971)
		(1,835,744)	(2,149,411)
Finance income	5	5,682	7,219
		(1,830,062)	(2,142,192)
SURPLUS FOR THE YEAR		24,238	20,952




AFRICAN TECHNOLOGY POLICY STUDIES NETWORK (ATPS)
(A COMPANY LIMITED BY GUARANTEE)

STATEMENT OF FINANCIAL POSITION
AS AT 31 DECEMBER 2011

	Note	2011 US\$	2010 US\$
ASSETS			
Non current assets			
Motor vehicles and equipment	7	60,391	67,319
Intangible assets	8	5,604	7,385
		<hr/>	<hr/>
		65,995	74,704
		<hr/>	<hr/>
Current assets			
Grants receivable	9	126,382	74,500
Other receivables	10	25,440	41,432
Bank and cash balances		1,340,462	763,794
		<hr/>	<hr/>
		1,492,284	879,726
		<hr/>	<hr/>
Total assets		<u>1,558,279</u>	<u>954,430</u>
FUNDS AND LIABILITIES			
Funds			
Accumulated fund		64,295	40,057
		<hr/>	<hr/>
Current liabilities			
Unexpended grants	9	917,549	244,780
Payables and accruals	11	187,325	123,405
Undisbursed grants payable	12	389,110	546,188
		<hr/>	<hr/>
		1,493,984	914,373
		<hr/>	<hr/>
Total funds and liabilities		<u>1,558,279</u>	<u>954,430</u>

The financial statements on pages 22 to 36 were approved by the Directors on
on their behalf by:


.....
EXECUTIVE DIRECTOR

May 31, 2012 and signed

.....
DIRECTOR



AFRICAN TECHNOLOGY POLICY STUDIES NETWORK (ATPS)
(A COMPANY LIMITED BY GUARANTEE)

STATEMENT OF CHANGES IN FUNDS
FOR THE YEAR ENDED 31 DECEMBER 2011

	General Fund US\$
At 1 January 2010	19,105
Surplus for the year	20,952
	<hr/>
At 31 December 2010	40,057
	<hr/>
At 1 January 2011	40,057
Surplus for the year	24,238
	<hr/>
At 31 December 2011	64,295
	<hr/>



AFRICAN TECHNOLOGY POLICY STUDIES NETWORK (ATPS)
(A COMPANY LIMITED BY GUARANTEE)

STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED 31 DECEMBER 2011

	2011 US\$	2010 US\$
OPERATING ACTIVITIES		
Surplus for the year	24,238	20,952
Adjustments for:		
Depreciation	17,832	10,160
Amortisation	3,737	3,106
Loss on sale of equipment	-	409
Operating surplus before working capital changes	45,807	34,627
(Increase)/decrease in grants receivable	(51,882)	96,205
Decrease/(increase) in other receivables	15,992	(8,470)
Increase/(decrease) in unexpended grants	672,769	(252,594)
Increase in payables and accruals	63,920	50,384
(Decrease)/increases in undisbursed grants payable	(157,078)	68,340
Net cash generated from/(used in) operating activities	589,528	(11,508)
INVESTING ACTIVITIES		
Purchase of furniture and equipment	(10,904)	(63,833)
Purchase of intangible assets	(1,956)	(5,043)
Proceeds on disposal of equipment	-	625
Cash used in investing activities	(12,860)	(68,251)
INCREASE/(DECREASE) IN CASH AND CASH EQUIVALENTS	576,668	(79,759)
CASH AND CASH EQUIVALENT AT 1 JANUARY	763,794	843,553
CASH AND CASH EQUIVALENTS AT 31 DECEMBER	1,340,462	763,794
Represented by:		
Bank and cash balances	1,340,462	763,794



Appendix 3 : Status of activities carried out under the IP Program in the January – December 2011

Specific Objective	Expected Outcome	Proposed Activities	Performance Indicators	Current Status
1. To enhance knowledge sharing and collaboration	Effective national and regional networks for information sharing and coordination of activities	<p>1.1 Hold workshop with proposed collaborators and stakeholders to determine and agree the way forward</p> <p>1.2 Invite regional and international institutions to join knowledge network</p> <p>1.3 Oversee the creation of national networks in select countries</p> <p>1.4 Hold annual conferences at regional level for stakeholders</p>	<p>1.1.1 One quality stakeholder workshop held within 4 months of project commencement</p> <p>1.1.1 A regional network up and running with clear guidelines for operation within 6 months of project commencement</p> <p>1.1.1 National networks created in the select countries within 2 months of activity 2.1</p> <p>1.1.2 Successful annual networking and information sharing conferences</p>	<p>1.1.1. One quality stakeholder workshop carried out in September 2009.</p> <p>1.2.1 Regional Steering Committee (RSC) inaugural meeting held on 29 April 2010 in Nairobi, Kenya. Other meetings held with the RSC members in November 2010 and November 2011 in Cairo, Egypt and Mombasa, Kenya.</p> <p>1.1.1 National Steering Committees established in 6 countries – Ethiopia, Lesotho, Kenya, Malawi, Swaziland, Uganda and Zimbabwe</p> <p>1.4.1 Annual networking conference held during the ATPS annual conference in Abuja, Nigeria, 2009; Cairo, Egypt, in 2010; and Mombasa, Kenya in 2011</p> <p>1.0.1 Country visits to launch the IP networks held in Ethiopia, Kenya, Lesotho, Malawi, Swaziland, Uganda and Zimbabwe.</p>



Specific Objective	Expected Outcome	Proposed Activities	Performance Indicators	Current Status
1. To generate and disseminate knowledge on the IP policy environment	Increased knowledge on national and regional IP policy environments for better policy making processes	<p>1.1 Conduct an assessment of the current regional IP environment and select countries to be included</p> <p>1.2 Conduct detailed assessments of the IP environments in the select countries</p> <p>1.3 Develop a communication strategy</p>	<p>1.1.1 A detailed report on the current regional and international policy environment in the area of TK, ABS and IP within 4 months of activity 1.1</p> <p>1.1.2 At least 2 policy briefs published and disseminated on important issues emerging issues from 2.1.1 within 2 months of 2.1.1</p> <p>1.1.1 Detailed reports on the policy environments, needs assessment and gaps of the select countries</p> <p>1.1.1 At least 1 policy brief published and disseminated on important national issues emerging issues from 2.2.1 within 2 months of 2.2.1</p> <p>1.1.2 A communication strategy for the programme detailing the necessary publications, website and other communication strategies within 7 months of project commencement</p>	<p>2.1.1 Background study of the current regional and international policy environments in the area of TK, ABS and IP completed and ready for publication.</p> <p>2.1.2 Three (3) Policy briefs being drafted from the background study commissioned under 2.1.1 above completed and ready for publication.</p> <p>2.2.1 Six (6) Small grants case studies commissioned. Three case studies in Ethiopia, Kenya and Tanzania completed and outputs are in press. Lesotho and Uganda studies still ongoing. Malawi project stalled due to change in PI</p> <p>1.1.2 3 policy briefs from the country case studies in Ethiopia, Kenya and Tanzania expected completed and in press. 3 more expected from Lesotho, Malawi and Uganda.</p> <p>1.1.3 5 baseline reports from Ethiopia, Kenya, Lesotho and Tanzania under review. Other reports expected from Malawi and Uganda while Swaziland and Zimbabwe studies will be commissioned in 2012.</p> <p>2.3.1 A draft Communication Strategy has been developed, peer reviewed and is awaiting publication. IP outputs to be posted on a dedicated webpage http://ip.atpsnet.org/.</p>



Specific Objective	Expected Outcome	Proposed Activities	Performance Indicators	Current Status
1. To promote awareness at the grassroots levels, on issues of TK, ABS and effective IP systems	Improved ability to contribute to policy and legislative frameworks	1.1 Trainer of trainer programmes 1.2 Workshops, policy round-tables, seminars	1.1.1 This exact activities, and therefore performance indicators, will be completely dependent on the findings of the above activities	3.1.1 A training workshop was organised for selected experts within the implementing countries in November 2010 and a subsequent one in November 2011. Work plans for implementing the ToTs at national level received from Ethiopia, Swaziland, Malawi and Uganda. Others expected from Kenya, Tanzania and Zimbabwe. They will all be implemented in 2012. International workshops held in in November 2010 in Cairo, Egypt and also in November 2011 in Mombasa, Kenya during the ATPS Annual Conference and Workshops. IP was an integral part of the program with keynote speakers and parallel breakout sessions. The aim was to integrate IP in the mainstream of policy response strategies by African governments.



Appendix 4: Checklist of Publications and Other Material

ATPS PUBLICATIONS AND MULTI-MEDIA PRODUCTIONS CHECKLIST January to December 2011 period:	
Publications	
ATPS Reports	ATPS Annual Report 2010: Science, Technology and Innovations for African Development http://www.atpsnet.org/publications/annual_reports/2010/index.php
ATPS Working Paper Series	Tracking Effective Indigenous Adaptation Strategies on Impacts of Climate Variability on Food Security and Health of Subsistence Farmers in Tanzania http://www.atpsnet.org/Files/wps51.pdf
	Estimating Land Prices and Opportunity Costs of Conservation in a Mega diversity Country http://www.atpsnet.org/Files/wps58.pdf
	Climate Change Awareness and Adaptation in The Niger Delta Region of Nigeria http://www.atpsnet.org/Files/wps57.pdf
	Technological Challenges Of Climate Change Adaptation In Nigeria: Insights From Enugu State http://www.atpsnet.org/Files/wps52.pdf
	Emerging and Indigenous Technology for Climate Change Adaptation in Southwest Nigeria http://www.atpsnet.org/Files/wps56.pdf
	Emerging Technologies for Building Resilience to Climate Change Effect: A Case Study in Dangbe East District of the Republic of Ghana http://www.atpsnet.org/Files/wps55.pdf
	Enhancing Agricultural Yields by Small-holder Farmers through Integrated Climate Change Adaptation in Sierra Leone http://www.atpsnet.org/Files/wps54.pdf
	Indigenous Agricultural Adaptation to Climate Change: Study of Imo and Enugu States in Southeast Nigeria http://www.atpsnet.org/Files/wps53.pdf
	Agricultural Innovations for Climate Change Adaptation and Food Security in Africa: The Cases of Ghana and The Gambia http://www.atpsnet.org/Files/wps59.pdf
	Assessment on the Adaptive Capacity of the Machobane Farming System to Climate Change in Lesotho http://www.atpsnet.org/Files/wps60.pdf
	Climate Change and Adaptation Measures in Northern Nigeria: Empirical Situation and Policy Implications http://www.atpsnet.org/Files/wps62.pdf
	Agricultural Innovations for Climate Change Adaptation and Food Security in West Africa: The Case of Nigeria, Sierra Leone and Liberia http://www.atpsnet.org/Files/wps61.pdf



ATPS PUBLICATIONS AND MULTI-MEDIA PRODUCTIONS CHECKLIST January to December 2011 period:	
Publications	
ATPS Special Paper Series	Tracking Effective Indigenous Adaptation Strategies on Impacts of Climate Variability on Food Security and Health of Subsistence Farmers in Tanzania
	Indigenous Agricultural Adaptation to Climate Change: Study of Southeast Nigeria
	Farmers' Perception of Climate Change Governance and Adaptation Constraints in Niger Delta Region of Nigeria
	Enhancing Agricultural Yields by Small-holder Farmers through Integrated Climate Change Adaptation in Sierra Leone
	Emerging Technologies for Climate Change Adaptation: A Case Study in Dangbe East District of Ghana
	Emerging and Indigenous Technology for Climate Change Adaptation in Southwest Nigeria
	Agricultural Innovations for Climate Change Adaptation and Food Security in Africa: The Cases of Ghana and The Gambia
	Agricultural Innovations for Climate Change Adaptation and Food Security in Nigeria, Sierra Leone and Liberia: Empirical Evidence
	Agricultural Innovations and Adaptations to Climate Change Effects and Food Security in Central Africa: Case of Cameroon, Equatorial Guinea and Central African Republic
	Incidence of Indigenous and Innovative Climate Change Adaptation Practices for Smallholder Farmers' Livelihood Security in Chikhwawa District, Southern Malawi
	Farmers' Perception of Climate Change Governance and Adaptation Strategies in Northern Nigeria: An Empirical Assessment
Technopolicy Briefs	Technological challenges of climate change adaptation in Nigeria: insights from Enugu State http://www.atpsnet.org/Files/pb24.pdf
	Agricultural Innovations for Climate Change Adaptation and Food Security in Ghana and The Gambia: Policy Options
	What policy options can promote climate change awareness and adaptation in Niger delta region of Nigeria? http://www.atpsnet.org/Files/pb28.pdf
	Harnessing Wind Energy for Climate Change Adaptation and Food Security in Coastal Regions of Ghana: A Policy Perspective http://www.atpsnet.org/Files/pb30.pdf
	What Policy Options can Promote Agricultural Innovations for Climate Change Adaptation and Food Security in the West African Sub-region? http://www.atpsnet.org/Files/pb29.pdf
	Emerging and Indigenous Technologies for Climate Change Adaptation in the Farming Systems of Southwest Nigeria: Issues for Policy Action http://www.atpsnet.org/Files/pb27.pdf
Technopolicy Briefs	Sensitizing and Building the Capacity of Women towards Climate Change Consequences in Northern Lakes of Egypt http://www.atpsnet.org/Files/pb33.pdf
	Indigenous Agricultural Adaptation to Climate Change: Study of Southeast Nigeria. http://www.atpsnet.org/Files/pb25.pdf
	Tracking Effective Indigenous Adaptation Strategies on Impacts of Climate Variability on Food Security and Health of Subsistence Farmers in Tanzania http://www.atpsnet.org/Files/pb31.pdf



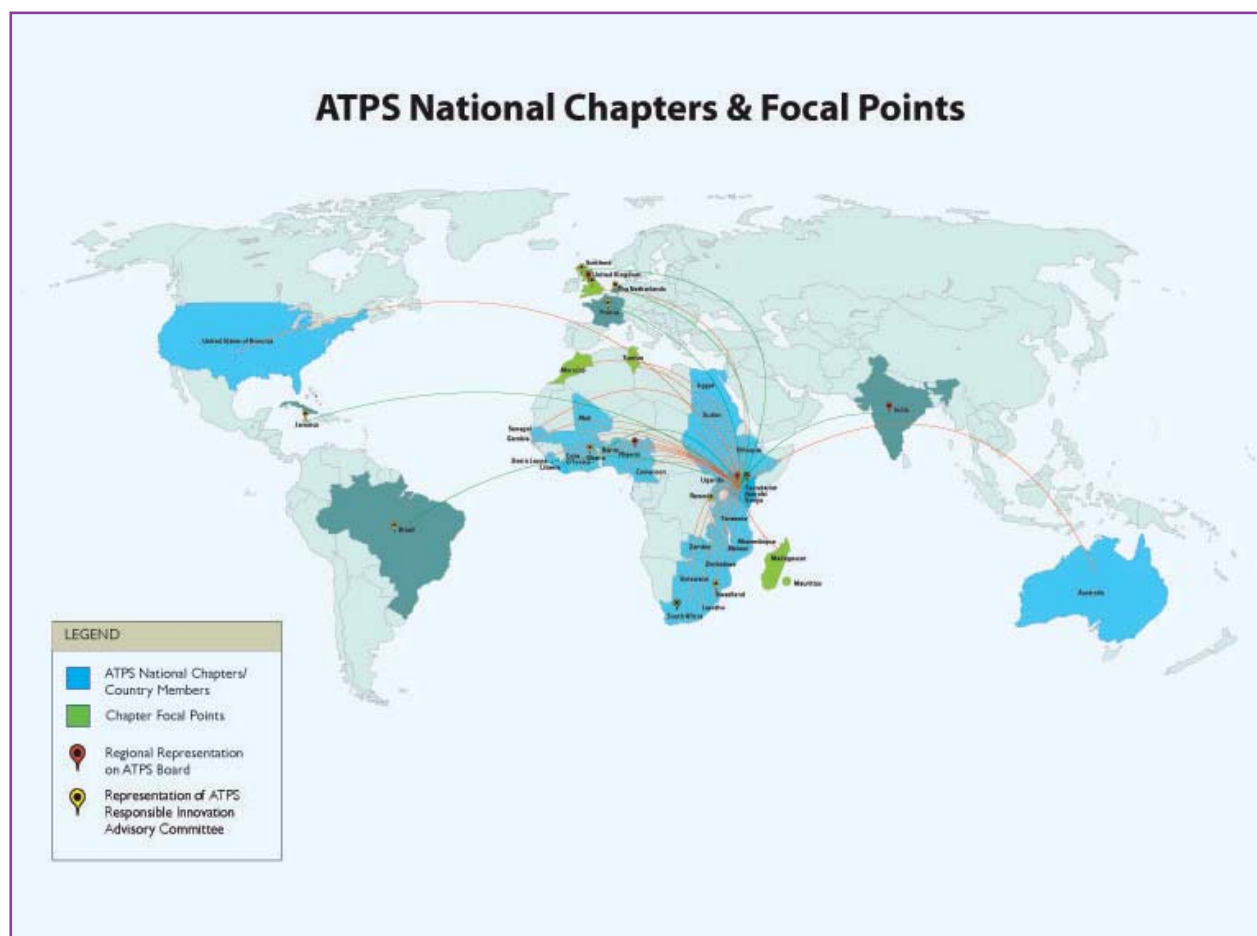
ATPS PUBLICATIONS AND MULTI-MEDIA PRODUCTIONS CHECKLIST

January to December 2011 period:

Publications	
Workshop and/or Conference Proceedings	Strengthening Linkages between Policy Research and Policymaking for African Development: Proceedings of the Stakeholders Workshop held at Mombasa Continental Hotel, Mombasa, Kenya from 16 - 18 February 2011 http://www.atpsnet.org/Files/Linking_Research_to_policy_-_Proceedings_of_Stakeholders_Workshop_Kenya.pdf
	The State of Technology and Innovation in Africa: Implications for Achieving the Millennium Development Goals - Proceedings of the 2010 ATPS Annual Conference and Workshops held at Conrad Hilton, Cairo, Egypt from 25 - 30 November 2010 http://www.atpsnet.org/Files/2010_Annual_Conference_Proceedings.pdf
	Ministerial Conference on Higher Education in Agriculture in Africa (CHEA): Proceedings of the Pre-Conference and Policy Side Events held at Speke Resort and Conference Centre, Kampala, Uganda from 15 - 19 November 2010 http://www.atpsnet.org/Files/CHEA_Ministerial_Conference.pdf
Programme and Book of Abstracts	Strengthening Linkages between Policy Research and Policymaking for African Development http://www.atpsnet.org/Files/Annual_Conference_2011_Program_and_Book_of_Abstracts.pdf
Media Outreach Science news Publications featuring ATPS Programmes	TV Talk on Nanotechnologies for Technologies Nation TV 2011
	TV Talk on Linking Research to Policy and Practice KTN TV 2011
	TV Talk on Drought Mitigation KTN TV 2011
	Radio talk on GMOs Metro FM 2011
	Radio talk on Scientific Revival Day in Africa Metro FM 2011



Appendix 5: Where we Work



About ATPS:

The ATPS is a multi-disciplinary network of researchers, practitioners and policy makers that promotes science, technology and innovation (STI) policy research, dialogue and practice, for African Development. With a regional secretariat in Nairobi, it operates through national chapters in 30 countries with an expansion plan in place to cover the entire Africa.

ATPS organizes and implements STI capacity building programs at regional and national levels. All programs address STI capacity building priorities of African countries identified by network members and stakeholders. ATPS activities are organized in four interrelated functional domains: STI knowledge generation; STI knowledge brokerage; STI knowledge dissemination; STI outreach & policy advocacy; and STI knowledge valorization. These functions are performed through three cross-cutting thematic research capacity building programs and three cross-cutting non-thematic facilitative programs. The thematic and facilitative programs are intertwined and together they form the six medium term strategic priorities of the ATPS.



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Appendix 10: The Secretariat

ATPS has an independent and dynamically evolving Secretariat with staff to provide executive direction, administrative implementation and physical infrastructure to the network.

The Secretariat is led by a Secretariat Management Committee (SMC) chaired by the Executive Director. The SMC provides strategic intellectual and administrative direction to the Secretariat and regional activities of the ATPS, in liaison with the ATPS National Coordinators' Regional Council. The SMC meets regularly to review the activities of the Network for effective continuous monitoring and control and inputs into the network management decisions. The ATPS Secretariat Staff in 2011 include:

Name	Designation
1) Prof Kevin Urama	Executive Director
2) Dr. Nicholas Ozor	Senior Research Officer
3) Dr. Maurice Bolo	Research Officer-Post Doctorate
4) Dr. Michele Francine	Research Officer-Post Doctorate
5) Richard Murimi	Finance & Administration Manager
6) Ernest Acheampong	Research Officer
7) Wairimu Mwangi	Research Officer
8) Philip Osano	Research Officer
9) Steve Otieno	Accounts Assistant
10) Hannah Adari	Research Assistant
11) Edel Kwoba	Communications Assistant
12) Nelson Akenga	Information Technology Assistant
13) Eunice Kariuki	Administration and Program Assistant
14) Jacinta Kahi	Communication Assistant-
15) Barbara Ombasa	Receptionist
16) Cyprian Nyarige	Accounts Assistant
17) Carol Thuku	Senior Secretary/Programs Administrative Assistant
18) Richard Muchesia	Driver/Messenger
19) George Kioko	Accounts Intern
20) Ada Osioma	Research Intern



Appendix 11 - ATPS Grants 2011

	Grant No.	Lead Proponent	Title of Grant	Country	Status
Climate Change Innovation Awards-AYFST					
1	CSP/0405/10	Abdelaziz Lawani	Youths as the driving force behind community adaptation to climate change in Karimama and Malaville, Benin.	Benin	Commissioned
2	CSP/0401/10	Tibebu Solomon Abebe	Assessment of the rationale and competence of pastoral community innovative adaptation to the incidence of climate change in Ethiopia.	Ethiopia	Commissioned
Knowledge and Brokerage Programs					
3	NCKE120	Mr. Kenneth Aduda	Support to Commemorate the Scientific Revival Day (SRDA) 2011	ATPS Kenya	Commissioned
4	NCUG15	Mr. John Okuonzi	Support to Commemorate the Scientific Revival Day (SRDA) 2011	ATPS Uganda	Commissioned
5	NCNG13	Prof. Micheal C. Madukwe	Support to Commemorate the Scientific Revival Day (SRDA) 2011	ATPS Nigeria	Commissioned
6	NCNG111	Prof. Micheal C. Madukwe	Support to organize a symposium on ICT and public governance/ SRDA 2011	ATPS Nigeria	Commissioned
7	NCGH01	Dr. Fred Amu Mensah	Support to Commemorate the Scientific Revival Day (SRDA) 2011	ATPS Ghana	Commissioned
8	NCZM120	Mr. Benson Zwizwai	Support to Commemorate the Scientific Revival Day (SRDA) 2011	ATPS Zimbabwe	Commissioned
9	NCMW12	Prof. H. R. Mloza Banda	Support to Commemorate the Scientific Revival Day (SRDA) 2011	ATPS Malawi	Commissioned
10	NCLS12	Mr. Dennis Sekoja Phakisi	Support to Commemorate the Scientific Revival Day (SRDA) 2011	ATPS Lesotho	Commissioned
Support to National Chapters					
11	NCEG02	Ms. Manal Moustafa Samra	Offer of grant to launch the ATPS Sudan Focal point	ATPS Egypt	Commissioned
12	NCET09	Mr. Wondwossen Belete	Offer of grant to re-launch the ATPS Ethiopia National chapter	ATPS Ethiopia	Commissioned



	Grant No.	Lead Proponent	Title of Grant	Country	Status
13	NCSN101	Dr. Wollor Emmanuel Topor	Offer of grant to launch the ATPS Liberia focal point	ATPS Liberia	Commissioned
14	NCMC101	Dr. Said Boujraf	Offer of grant to launch the ATPS Morocco Focal point	ATPS Morocco	Commissioned
15	NCZA101	Prof. Mark Swilling	Offer of grant to re-launch the ATPS South Africa National chapter	ATPS South Africa	Commissioned
16	NCSN101	Mrs. Nadia Hassan Sidahmed	Offer of grant to launch the ATPS Sudan Focal point	ATPS Sudan	Commissioned
17	NCUK101	Mrs. Martha Ada Ugwu	Offer of grant to launch the ATPS UK focal point	ATPS UK	Commissioned
18	NCUS101	Dr. Anthony C. Ikeme	Offer of grant to launch the ATPS USA focal point	ATPS USA	Commissioned
19	NCZM103	Prof. Francis D. Yamba	Offer of grant to re-launch the ATPS Zambia National chapter	ATPS Zambia	Commissioned
20	NCRW101	Prof. Herman Musahara	Offer of grant to launch the ATPS Rwanda focal point	ATPS Rwanda	Commissioned
21	NCSE107	Prof. Micheal C. Madukwe	Program on building trans-disciplinary climate change adaptation capacity at the UNN	ATPS Nigeria	Commissioned
22	CBO0301	Prof. K.P Baiyeri /University of Nigeria	Grant to support the 10th anniversary of uninterrupted publications of Agro Science journal	ATPS Nigeria	Commissioned
23	NCKE1113	Mr. Kenneth Aduda	Grant to organize National Networking Meetings for the ATPS Intellectual Property Program	ATPS Kenya	Commissioned
24	NCZM12	Mr. Benson Zwizwai	Grant to organize National Networking Meetings for the ATPS Intellectual Property Program	ATPS Zimbabwe	Commissioned
25	NCKLS09	Mr. Dennis Sekoja Phakisi	Grant to organize National Networking Meetings for the ATPS Intellectual Property Program	ATPS Lesotho	Commissioned
26	NCUG14	Mr. John Okuonzi	Offer of grant as chapter office support-implementation of the IP program in Uganda	ATPS Uganda	Commissioned



The African Technology Policy Studies Network (ATPS) is a multi-disciplinary network of researchers, private sector actors, civil society actors and policy makers promoting the generation, dissemination, use and mastery of science, technology and innovation (STI) for African development, environmental sustainability and global inclusion. ATPS intends to achieve its mandate through research, capacity building and training, science communication/dissemination and sensitization, participatory multi-stakeholder dialogue, knowledge brokerage, and policy advocacy.



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Science, Technology and Innovations for African Development

