



Annual Report 2022





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The African Technology Policy Studies Network (ATPS) is a trans-disciplinary network of researchers, private sector actors and policy makers that promote 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 and communication/dissemination and sensitization, participatory multi-stakeholder dialogue, knowledge brokerage, and policy advocacy.



Annual Report 2022

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List of Acronyms

AfDB	African Development Bank
AI4AFS	Artificial Intelligence for Agriculture and Food Systems
ATPS	African Technology Policy Studies Network
IAU	Innovation for African Universities
ICIPE	International Centre of Insect Physiology and Ecology
IDRC	Canada’s International Development Research Centre
M&E	Monitoring and Evaluation
NDC	Nationally Determined Contribution
NGOs	Non-Governmental Organizations
PACJA	Pan African Climate Justice Alliance
SDC	Swiss Agency for Development and Cooperation
SEIA	Stockholm Environment Institute- Africa Center
Sida	Swedish International Development Agency
STI	Science, Technology and Innovation
SURE-FOOD	Strengthening Urban Resilience in FOOD and nutrition security in Kenya
TIDE	Technological Innovation Development in Africa to Enhance Employability, Entrepreneurship and Job Creation
UNFCCC	United Nations Framework Convention on Climate Change
UPTIER	Understanding the Policy and Institutional Landscape for Technological Innovation Development in Africa to Enhance Youth Employability, Entrepreneurship and Job Creation
ICT	Information Communication Technology
WAGEDI	West Africa Green Economic Development Institute



Chairman's Message

Science, Technology and Innovation for
African Development



Prof. Crispus Kiamba
Chairman, ATPS Board of Directors

It gives me great pleasure to invite you to review the 2022 Annual Report.

ATPS, driven by its vision to leverage Science, Technology, and Innovation (STI) for sustainable development in Africa, has diligently worked to bring together experts, policymakers, private sector actors, and civil society stakeholders across the continent and beyond. Through collaborative efforts, we strive to address global challenges and provide innovative solutions.

During this reporting period, ATPS was actively engaged in various activities across our four priority sectors and five strategic objectives. This report provides a comprehensive overview of our endeavors in advancing Africa's capabilities in STI research, policy, and practice.

As we move forward, we remain committed to our mission and vision, determined to overcome challenges and seize opportunities for impactful change.

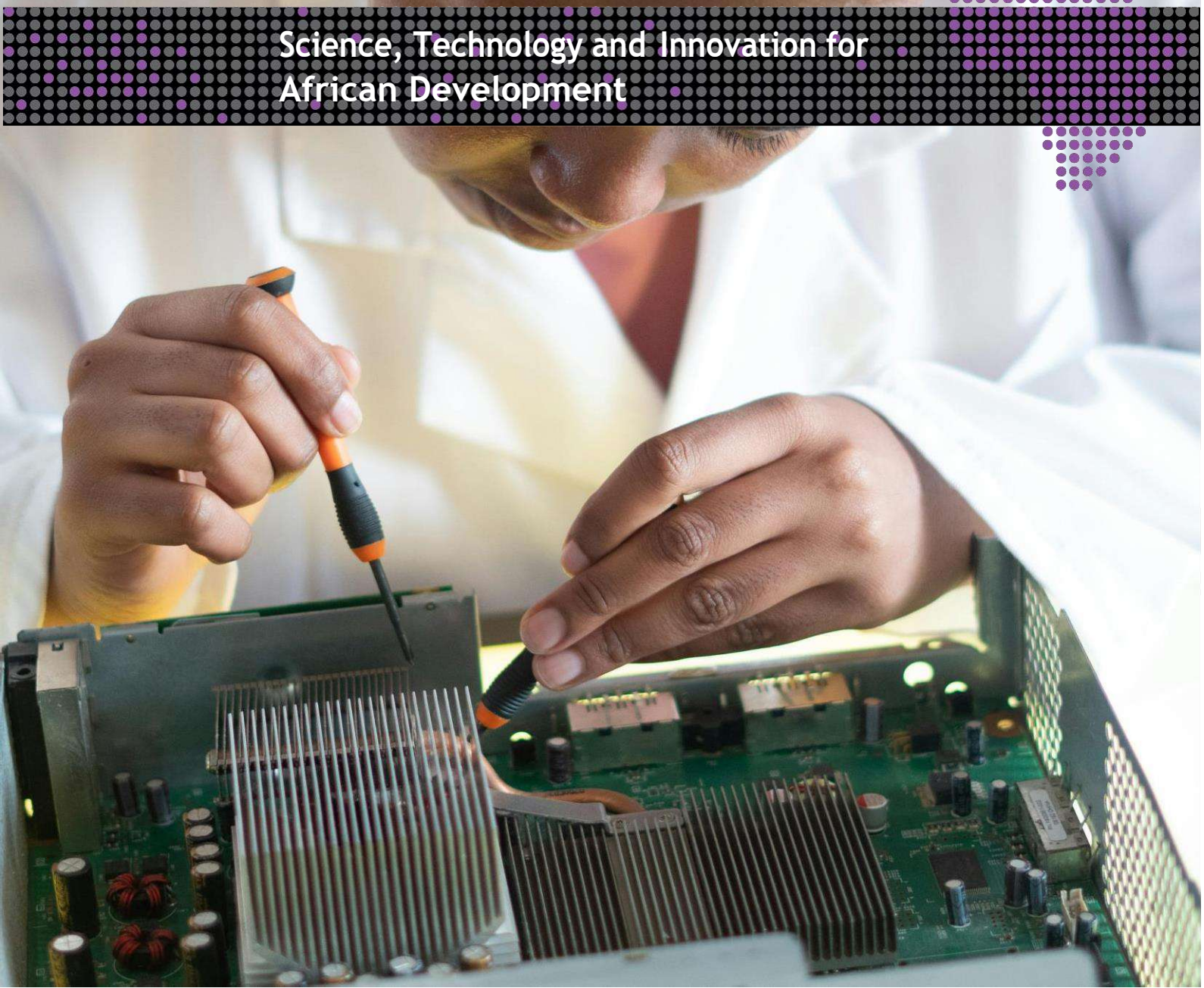
I extend by deepest appreciation to all our stakeholders, partners, and the dedicated ATPS team for their unwavering commitment and support.

Prof. Crispus Kiamba, Chair, ATPS Board of Directors



Executive Director's Message

Science, Technology and Innovation for
African Development





**Dr. Nicholas Ozor
Executive Director,
ATPS**

As we reflect on the accomplishments and challenges of the past year, it is my honor to share with you the ATPS Annual Report for the period 1st January 2022 to 31st December 2022.

Throughout the reporting period, ATPS has been actively involved in a wide range of activities aligned with our strategic objectives. Despite facing hurdles such as the impacts of COVID-19 pandemic that included financial constraints, we have persevered in our efforts to advance STI research, policy, and practice in Africa.

We are proud to report progress on several grants, including initiatives focused on urban resilience, responsible AI, and youth empowerment. These projects exemplify our commitment to driving impactful change and creating a brighter future for Africa.

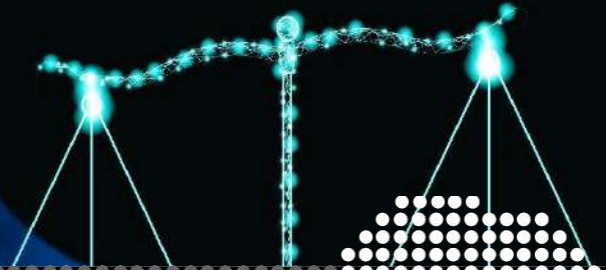
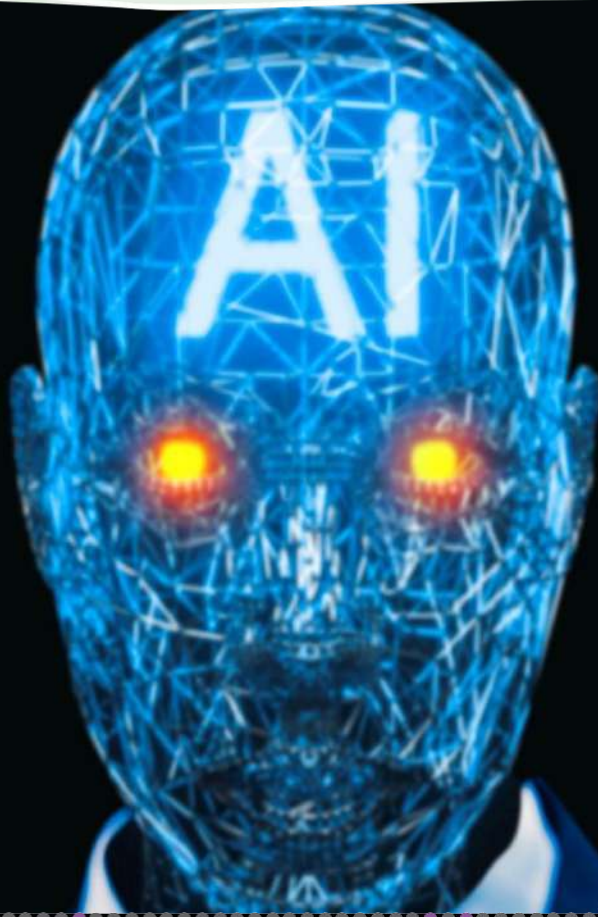
Despite the economic downturn, our team's dedication to fundraising and partnership building has yielded promising prospects for project funding in the coming years.

As we look ahead, we remain committed to our vision of harnessing STI for sustainable development in Africa. With the support of our stakeholders, partners, and dedicated team, I am confident that we will overcome challenges and achieve even greater milestones in the years to come.

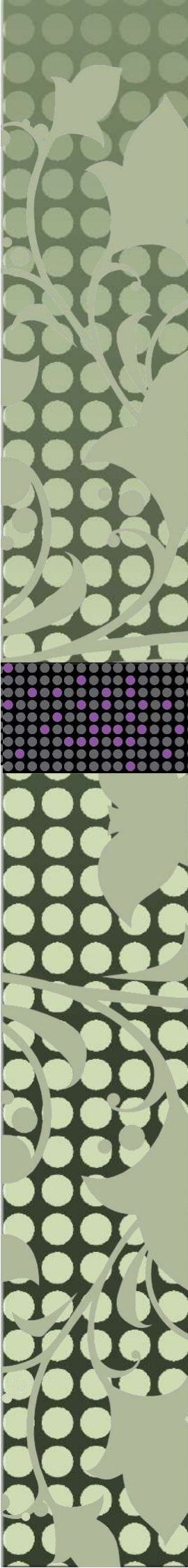
I extend my heartfelt gratitude to all our stakeholders, partners and team members for their invaluable contributions and unwavering dedication.

Dr. Nicholas Ozor, Executive Director, ATPS

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Science, Technology and Innovation for African Development





About ATPS

The African Technology Policy Studies Network (ATPS) is not just a network; it's a dynamic force driving African development, environmental sustainability, and global inclusion through the power of Science, Technology, and Innovation (STI). Since its establishment in 1994, ATPS has been at the forefront of building capacities and fostering innovation for sustainable development across the continent.

From its humble beginnings with a handful of members in seven African countries, ATPS has evolved into an international powerhouse. With its headquarters nestled in Nairobi, Kenya, ATPS enjoys the privileges and diplomatic immunities reserved for prestigious international organisations. With members spanning 30 countries, including diaspora chapters in Australia, the United States, and the United Kingdom, ATPS is poised to extend its reach and impact across the entire African continent.

But ATPS is more than just a network; it's a catalyst for change. Through robust research, targeted capacity building, and engaging science communication efforts, ATPS empowers stakeholders to harness the transformative potential of STI. By facilitating multi-stakeholder dialogues, fostering knowledge exchange, and advocating for evidence-based policies, ATPS creates an environment where innovation thrives and sustainable development becomes a reality.

In collaboration with like-minded institutions, ATPS serves as a hub for regional and international research partnerships, driving collective action towards a common goal: leveraging STI for the sustainable development of Africa. With ATPS leading the charge, the future of African development is brighter than ever before.

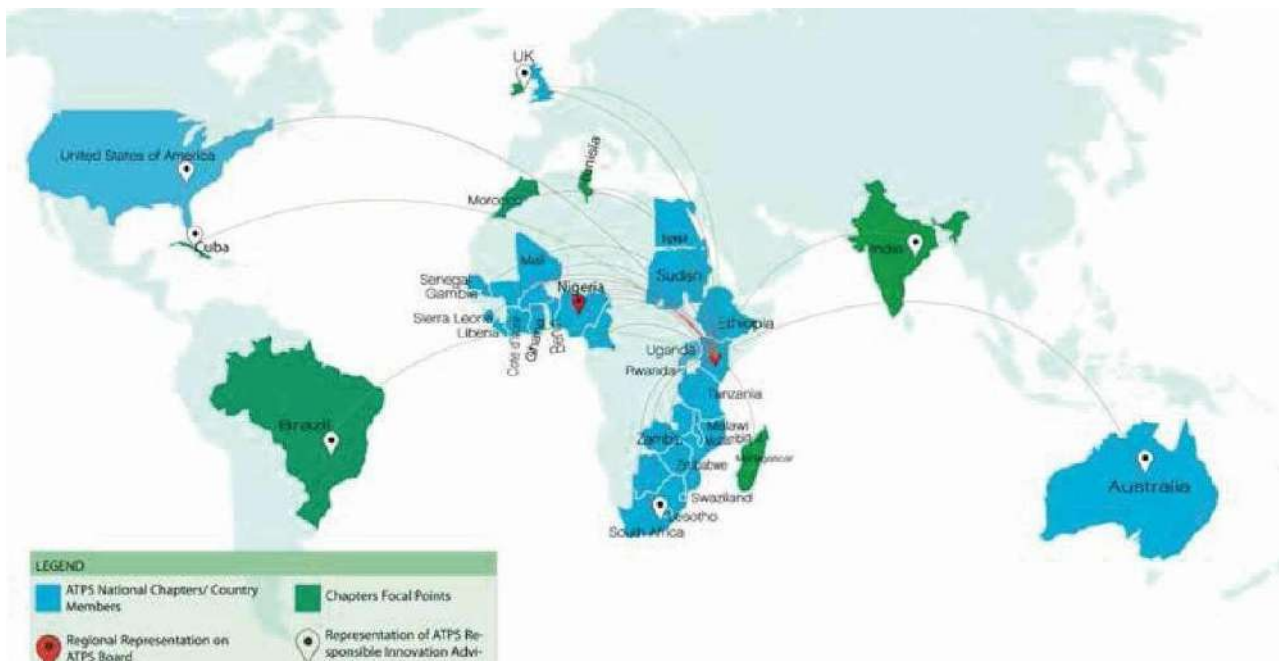


Figure 1



ATPS Unique Niche

ATPS is not only unique as a premier institution focusing on building Africa's capabilities in science, technology and innovation policy research, policymaking and policy implementation for sustainable development but also in its composition of members, institutional structures, and implementation activities.

As the premier STI network in Africa, it has successfully mainstreamed STI in African development policy dialogues and assisted many African governments to formulate STI policies, established ministries of STI, and related Agencies such as National Commissions and Councils for STI. It has produced amongst its membership Prime Ministers, Vice presidents, Ministers, Director Gener- als, Vice-chancellors, and Chief Executive Officers of STI related institutions/industries and private enterprises in Africa and beyond. Key beneficiaries of its services include: United Nations Organi- zations and related programs/commissions for Africa, Africa Union Commission (AUC), the African Development Bank (AfDB), New partnership for African Development (NEPAD), African Regional Economic Communities (RECs), National governments, Universities and Colleges of education and practitioners at the grassroots including youths and women.



Figure 2 The Quadruple Helix

This enhances the ability of the ATPS to readily access, and/or convene policymakers, private sector actors, science experts, and the civil society for effective valorization of policy research results and vice versa.

The institutional structure of the ATPS also enhances cost effective identification, prioritization and implementation of policy research activities at the Regional and National levels through its network of members in the National Chapters and the Regional Secretariat, respectively. The proactive engagement of members in the National Chapters in the identification and implementation of activities also ensures full embedding of the

Unlike many policy institutions, the ATPS membership is composed of all key actors in an innovation system: policymakers, science experts, private sector actors and the civil society. This unique composition provides great opportunities for collaboration and cooperation amongst the quadruple helix in research and policy prioritization, design, implementation, monitoring and evaluation. This ensures that ATPS policy research outputs are co-produced in dynamic and reflective participation with all the key actors in the innovation system bridging the gaps between policy research, policymaking and policy practice. Today, the ATPS has over 5000 members and 3000 stakeholders in over 51 countries in 5 continents with institutional partnerships worldwide. According to the 2021 Global Go To Think Tank ratings by the University of Pennsylv- nia (USA); ATPS was ranked as the best Think Tank Network in Africa, Top Science and Technology Think Tank, Think Tank with the most significant impact on public policy and best regional studies centre among others. The full report and more details on the 2020 Global Go To Think Tank Index can be accessed at: [2020 Global Go To Think Tank Index Report \(upenn.edu\)](https://www.upenn.edu/global-go-to-think-tank-index-report)



Executive Summary

The African Technology Policy Studies Network (ATPS), in line with its vision to use Science, Technology and Innovation (STI) as a means for achieving sustainable development in Africa, brings together STI experts, policy makers, private sector actors, and civil society actors across the African continent and beyond to provide solutions to global challenges. This is done through the implementation of activities identifies, in this case in our current ATPS Phase VIII Strategic Plan (2017-2022).

During the reporting period (1st January 2022 to 31st December 2022), the ATPS was involved in various activities across the four (4) priority sectors along the five (5) strategic objectives. This report provides a summary of ATPS's efforts in building Africa's capabilities in STI research, policy and practice for the period. It highlights key achievement and challenges faced during this reporting period and how they were addressed. ATPS works with like-minded institutions to implement its activities as provided in the strategic plan and in line with the project objectives. For instance, under Objective one, ATPS continues to implement projects that promote the development of evidence-informed policies in the STI domain. The research team has been tirelessly fundraising to increase resources that will assist the ATPS to achieve its objectives. A number of proposals and Expressions of Interests were submitted during the reporting period. Some are under review with one unsuccessful.

With regards to Objective two, Training, Sensitisation and Capacity Building, the ATPS did not have many training and capacity building activities during the year. There were basically meetings with partners on potential collaboration and proposal development meetings that were mainly conducted virtually due to COVID-19. ATPS is implementing seven (7) grants:

- i) Strengthening Urban Resilience in FOOD and nutrition security in Kenya (SURE-FOOD)- Although there are partner conflicts which are paralyzing implementation
- ii) Managing Organization (Hub) for Responsible Artificial Intelligence for Agriculture and Food Systems (AI4AFS) Innovation Research Network in Africa
- iii) Understanding the policy and Institutional Landscape for Technological Innovation Development in Africa to Enhance Youth Employability, Entrepreneurship and Job Creation (UPTIER)
- iv) Technological Innovation Development in Africa to Enhance Employability, Entrepreneurship and Job Creation (TIDE)
- v) Delivering place based Entrepreneurial capacity building in Africa (DIFFERENTIATE).
- vi) University-led Ecosystems for a Sustained Innovation and Entrepreneurship Development in Kenya, and
- vii) Building the Capacity of Selected sub-Saharan African Countries to Effectively Measure Progress in their Nationally Determined Contributions' Implementation Using Tracking Tools and Indexes.



The global COVID-19 scourge in general eased up allowing movement and flow of resources but low domestic funding and investments in research and innovation in Africa and in STI, combined with global recessions, caused reduction in funding. The ATPS team, however, continued to up their efforts to fundraise through aggressive proposal development and partnerships and there have been good prospects of funding of some projects in 2023.

Introduction

In line with its vision of using Science, Technology, and Innovation (STI) as a means of achieving sustainable development in Africa, the African Technology Policy Studies Network (ATPS) brings together STI experts, policymakers, private sector actors, and civil society actors from across the African continent and beyond to provide solutions and ante up Africa's response to global challenges. This is accomplished through the implementation of STI policy and practise in Africa's socioeconomic and environmental development landscape. The execution of ATPS' STI capacity building efforts has been successful in 2022. ATPS personnel, network members, and stakeholders shared their experiences and knowledge to broaden Africa's perspectives and foster the growth of STI capacity.

For the period of January 1, 2022, to December 31, 2022, ATPS's efforts to strengthen Africa's capacities in STI policy research, policymaking, and implementation are summarized in this updated report. The report outlines the major accomplishments and difficulties encountered during the reporting period, together with the solutions the Secretariat has been implementing. This report's presentation is structured in accordance with the ATPS Phase VIII Strategic Plan (2017–2022). The report is divided into the sections provided below:

1. Objective 1: STI Policy Research, Policymaking and Advocacy (STI-RPA)
2. Objective 2: Training, Sensitisation and Capacity Building (TSC)
3. Objective 3: Youth and Gender Empowerment (YGEP)
4. Objective 4: Knowledge Brokerage, Management and Commercialization (KBMC)
5. Objective 5: Intra-Africa and Global Collaboration and Partnership (IGCP)
6. Monitoring, Evaluation (M&E) and Audit
7. Challenges
8. Conclusion



**Towards Implementation of the ATPS
Phase VIII Strategic Plan (2017-2022)**



Objective 1: STI Policy, Research, Policymaking and Advocacy

ATPS continues to build capabilities, structures, and conditions for the co-production of scientific knowledge, technologies, innovations, and policies across its newly identified priority sectors for sustainable development in Africa. These sectors as outlined in the new Phase VIII Strategic Plan (2017-2022) are Agriculture, Food and Nutrition; Energy; Climate Change and Environment Management; and Health. The concept of co-production of knowledge (transdisciplinary) is strongly emphasised in the work of ATPS to ensure proper contextualisation and domestication of STI in African societies for sustainable development, along with the diffusion, commercialisation, and upscaling of innovations.

The Science, Technology, and Innovation Strategy for Africa (STISA-2024) places STI at the epicentre of Africa's socioeconomic development and growth. The ATPS, in the same spirit, recognises that STI-led development is a socio-economic and political endeavour and hence will work closely with key stakeholders in the political, academic, civil society, and private sector classes to attract their goodwill towards STI issues on the continent and beyond. Activities undertaken during the reporting period under the current ATPS research projects are briefly described below:

1.1. Strengthening Urban Resilience in Food and Nutrition Security in Kenya (SURE-FOOD)

This project aims at finding sustainable solutions for strengthening knowledge and resilience systems against food insecurity and malnutrition aggravated by rapid urbanization. It is being implemented by Universities Hohenheim, Nairobi and Egerton, and the ATPS. The goal is to provide adequate, safe, nutrition-dense, preferred, and affordable food to improve the health and well-being of urban dwellers, with a particular focus on the most vulnerable groups. To do this, robust resilience analysis is needed to provide decision-makers, academia, and broader social and policy stakeholders with data and results that enable evidence-based recommendations for action and solutions. Such an analysis can reduce the complexity of the problem and make resilience measurable and controllable. To this end, a longitudinal survey of urban households will be conducted, surveying low- and middle-income households in Nairobi to determine the extent and causes of malnutrition and the dietary habits of urban residents. Existing structures (e.g., informal markets, urban agricultural activities) will be assessed for resilience and optimized in this survey. The expected outputs include:

- Training programmes for vulnerable groups in the urban areas of Nairobi
- An Action Plan for food and nutrition security.
- A novel simulation tool for nutrient deficiencies



1.2.1. Achievements

- a) The Project has been launched and project implementation has officially commenced. Initial meetings to agree on the modalities of implementation and roles of each partner have been conducted. ATPS will be responsible in conducting policy and institutional analysis and stakeholder engagements that will lead to development of a food and nutritional security Action Plan.

1.7.1 Challenges

- b) There were disagreements between the key partners leading to temporary stoppage of project implementation. The issues are being discussed to prevent project cancellation

1.2 Managing Organization (Hub) for Responsible Artificial Intelligence for Agriculture and Food Systems (AI4AFS) Innovation Research Network in Africa

The ATPS, icipe and Kumasi Hive are implementing the AI4AFS project funded by the Swedish International Development Agency (Sida) and Canada's International Development Research Centre (IDRC). This project is part of the innovation stream of the Artificial Intelligence for Development Africa (AI4D Africa) program dedicated to a future where Africans across all regions create and use artificial intelligence to lead healthier, happier, and greener lives. Its mission is to improve the quality of life for all in Africa and beyond by partnering with Africa's science and policy communities to leverage AI through high-quality research, responsible innovation, and strengthening talent. The Hub will establish and host a network consisting of 6-10 innovation research projects for a maximum of 3 years (from Oct 2021- Jun 2024) that will develop, deploy, test, and seek to scale responsible and African-led artificial intelligence research and innovations. This research will deepen our understanding of how to develop, deploy, and scale responsible AI innovations for sustainable agriculture and food systems in Africa. The project will also seek to use these lessons learned to inform African and international AI policy and practice conversations. The expected outputs/outcomes include:

- African researchers/ innovators are enabled through research infrastructure and conducive environment to engage and lead in AI4AFS.
- Enhanced AI4AFS research networks with the potentials to generate new AI research and innovations for tackling pressing AFS challenges in Africa.
- More inclusive policies and strategies for sustaining transformative change in AI4AFS based on societal felt needs.



1.7.1 Achievements

- a) The inception report was developed, submitted, and approved by the donor.
- b) Development and update of the Interactive Collaborative Environment (ICE) Menus/ Platforms-The process of designing, development, testing and deployment of the ICE platform was completed, and all the modules have been populated and requisite content uploaded for public consumption. AI data on experts and content on AI4AFS were continuously populated and updated.
- c) The ATPS National Chapter Coordinators of the respective target countries have been performing their roles in the project seamlessly.
- d) The selection of the AI4AFS grantees was done successfully and they are implementing their projects.

1.2.2. Challenges

- a) The inability by the project team to physically monitor and inspect all projects implemented by the grantees to ensure compliance with project agreements.
- b) Delays in submitting timely reports according to timelines by some grantees.

1.7. Understanding the Policy and Institutional Landscape for Technological Innovation Development in Africa to Enhance Youth Employability, Entrepreneurship and Job Creation (UPTIER)

The UPTIER project aims at reviewing the STI policy and institutional landscape/ecosystem in selected countries, namely: Ethiopia, Ghana, Kenya, Nigeria, Rwanda, Senegal and Uganda; with a view to understanding their statuses, what works (successes), what doesn't work (failures) and why (reasons for successes or failures). The findings and lessons learned from the 18 months research will feed into the Mastercard Foundation's (MCF) [Young Africa Works Strategy](#) aimed at providing 30 million young Africans with dignified and fulfilling work. It will also support the MCF's Research Strategy through the Strategic Research Intervention (SRI) and Knowledge Sharing and Policy Engagement Intervention (KSPEI) pillars of this project by providing the requisite evidence-based knowledge useful for STI policy decision-making for innovation development and job creation. The expected outputs/outcomes include:

- An in-depth understanding of STI policy and institutional landscape in the selected countries.
- A knowledge sharing and stakeholder engagement strategy/action plan developed with a view to enhance the bridging of the gaps between STI research, industry and policy development in the selected countries.
- Strengthened linkages among the research, policy and industry actors towards technological innovation development and evidence-based policymaking.



1.7.1 Achievements

- a) The inception report was developed to guide implementation.
- b) The project was incorporated in the ATPS Interactive Collaborative Environment (ICE) Platforms and content relevant to this project were populated and updated continuously for public consumption.
- c) The ATPS National Chapter Coordinators of the respective target countries were notified and their roles in the project explained.
- d) Data collection was completed and policy and institutional review, stakeholder mapping and analysis reports and seven (7) policy briefs submitted.

1.3.2. Challenges

- a) Access to data and key documents in the respective countries was a major challenge that required innovative ways to acquire the information needed.
- b) Delayed responses from key stakeholders as key informants.

1.4. Technological Innovation Development in Africa to Enhance Employability, Entrepreneurship, and Job Creation (TIDE)

The TIDE project proposes to review the STI policy and institutional landscape/ecosystem in selected sub-Saharan African countries, namely: Ethiopia, Ghana, Kenya, Nigeria, Rwanda, Senegal, Uganda, and Zimbabwe; with a view to understanding their statuses, what works (successes), what doesn't work (failures) and why (reasons for successes or failures). The findings and lessons learned from the three (3) years of research and intervention activities align with Afreximbank's Private Sector Development Strategy. The expected outputs/outcomes include:

- A deeper understanding of the STI policy and institutional landscape in selected SSA countries.
- Increased knowledge sharing and policy and stakeholder engagement.
- Empowered young graduate innovators/entrepreneurs through the TICA programme with a view to enabling them scale up their innovations, start new businesses, support livelihoods, and create more jobs.

1.4.1 Achievements

- a) The implementation strategy for the project was developed for the research activities.
- b) The ATPS National Chapter Coordinators of the respective target countries were notified and explained their roles in the project. They supported project implementation especially data collection.
- c) Data was collected analysed and draft reports, and eight (8) policy briefs were developed.

1.4.2 Challenges

- a) Access to data and key documents in the respective countries was a major challenge that required innovative ways to acquire the information needed.
- b) Delayed responses from key stakeholders as key informants.



1.7. University-led Ecosystems for a Sustained Innovation and Entrepreneurship Development in Kenya

This project aimed to promote university-led ecosystems as anchoring institutions for delivering self-sustaining innovation and entrepreneurship education that contributes to Kenya's development. Conceptualising the partnerships within the Innovation for African Universities (IAU) as anchoring institutions, we will investigate how their structures and operations can inform policies relating to entrepreneurial universities in Kenya. Our approach is informed by the need to promote the attainment of four UN SDGs. First, to strengthen the means of implementation of partnership for sustainable development (SDG 17). Expected outcomes include:

- Greater awareness among IAU Community of Practice partnerships in Kenya, of the opportunities and challenges facing Sub-Saharan Africa Higher Education Institutions in reinforcing their entrepreneurship education through multi-stakeholder partnerships involving UK HE institutions and ecosystems partners.
- Reinforcement in the way research is conducted through more holistic responses to challenge-led themes.
- Recommendations on institutional strategies for supporting the development of innovative pedagogies, capacity building in higher education through university-led ecosystems.

1.7.1 Achievements

- a) Trained Riara University academic staff members to create and deliver entrepreneurship education through blended learning.
- b) Produced a framework for the transformation of Riara University into an entrepreneurial university.
- c) Produced a policy brief on Accelerating Entrepreneurship Support in Universities in Kenya
- d) Held a Policy stakeholder engagement to validate and sensitize the stakeholders on the recommendations proffered in the policy brief.
- e) Co-authored a book chapter and a case study with accompanying teaching notes adapted to the African context on Transformational entrepreneurship in Higher Education Institutions.
- f) Showcased a dissemination and stakeholder engagement in an annual conference held in Nairobi.

1.5.2 Challenges

- a) Delayed responses from key stakeholders and key informants.
- b) Political unrest in the country made it hard to meet some of the stakeholders and key informants.



1.7. Delivering Place Based Entrepreneurial Capacity Building in Africa (DIFFERENTIATE)

Universities play an essential role in creating new knowledge and innovations and training the next generation of leaders, engineers, and scientists. Yet more than half of 420 million young people in Africa are unemployed (AfDB, 2018). This project explores a place-based approach to design and develop entrepreneurial capacity building across African research institutions. This is informed by the fact that entrepreneurship is not yet fully integrated into the activities of Universities across Africa, with most universities having no entrepreneurship capabilities or curriculum and a few having limited entrepreneurship training and support for students and staff. There is therefore the need for capacity building our universities through research, innovation, and entrepreneurship. The expected outcomes include:

- Increased entrepreneurship capacity of staff and students in universities.
- Support African women innovators and entrepreneurs in the STEM space.
- Promote Intra-Africa and global collaboration and partnerships.

1.7.1 Achievements

- a) Co-development of a toolkit for university students.
- b) Organised Entrepreneurship Workshop for all the Higher Education (HE) partners of the project for students using the toolkit.
- c) Engaged with all stakeholders of each partner institution of the project.

1.6.2 Challenges

- a) Difficulty in accessing the required data and key documents in the respective countries.
- b) Delayed responses from key stakeholders as key informants.
- c) Lack of cooperation by some of the government institutions in some of the countries.

1.7. Building the Capacity of Selected sub-Saharan African Countries to Effectively Measure Progress in their Nationally Determined Contribution' Implementation Using Tracking Tools and Indexes

Numerous attempts have been made globally to regulate climate-induced challenges through mitigation and adaptation measures including the United Nations Framework Convention on Climate Change (UNFCCC) of 1994, the Kyoto Protocol of 1997, and the Paris Agreement of 2015 among others. The Nationally Determined Contributions (NDCs), with conditional and unconditional commitments, are key by-product of the Paris Agreement and require all the countries to spell out their intended actions to address climate change over 5-year periods in terms of adaptation, mitigation, and means of implementation as well as opportunities arising therefrom and sustainable development co-benefits for the continent. Despite the Paris Agreement providing little guidance on what and how climate change adaptation would be included in the NDCs, most African NDCs highlight a number of cross-cutting strategies to address their mitigation ambitions as well as their adaptation needs.



It is against this background that the ATPS and its partners, in 2019, developed and piloted an NDC implementation monitoring, tracking tools, and index to gauge the status of NDC implementation in countries against the targets indicated in their submitted NDCs. This project, therefore, seeks to utilize the key product from this pilot study (monitoring and tracking tools) already developed and validated in eight (8) African countries to build the capacity of focal persons/champions in twelve (12) selected SSA countries to effectively measure their NDCs implementation progress using the tracking tools and Indexes. The expected outcomes include:

Increased capacity of countries to collect and utilize the NDC data, using tracking tools and indexes to make informed policy and programmatic decisions.

Progressive increased ambitions and compliance to the Paris Agreement and achievement of the NDC targets brought about by increased buy-in and strategic partnerships with relevant stakeholders in SSA countries.

1.7.1 Achievements

- a) The project was launched in December 2022 with an inception meeting where partners and ATPS national chapter coordinators were involved.
- b) Implementation strategy was also developed and shared with the partners.

1.7.2 Challenges

- a) Access to letters of "No objection" from some of the target countries was problematic especially due the fact that we were entering the festive season since inception of the project.



Objective 2: Training, Sensitization and Capacity Building

2.1 Workshops, Conferences and Meetings

Several project-based training and capacity-building initiatives were conducted during the reporting period. Most of the meetings were scheduled with partners for collaboration and proposal developing partnership. However, numerous capacity-building activities are still being included in the concepts and proposals submitted to donors for funding that would benefit the intended recipients and employees involved in implementation. Training and sensitization workshops to build capacity and impact on policy and practice in various priority sectors are always incorporated to the greatest extent possible in accordance with the ATPS current strategic plan.

Objective 3: Youth and Gender Empowerment (YGEP)

3.1 ATPS Youth Internships

It is the mandate of ATPS to build the capacity of the youth through the ATPS graduate internship program. During the reporting period, there was no one who was recruited for internship.

3.2 Fellowship Program

During the reporting period the ATPS did not nominate any staff for any fellowship program because those opportunities did not become available in the reporting period.



Objective 4: Knowledge Brokerage, Management and Commercialisation

4.1 Publications

The following research papers were published during the period:

Mugwagwa, J., G. Banda, Nicholas Ozor, M. Bolo, and R. Oriama (2022) Optimising governance capabilities for research and innovation in Africa; Technology in Society; Vol 68. <https://doi.org/10.1016/j.techsoc.2021.101804>

4.2 Knowledge Exchange and Management

4.2.1 Capacity Building Workshops and Meetings

The ATPS and partners in the AI4AFS Hub, held various meetings and training workshops as part of the implementation of the project. These meetings were held with IDRC officers and other Hub managers as well. Grantees were trained on various subjects relating to AI. The ATPS staff and other African partners were involved and contributed by making Presentations to share their views and experiences on the various topical issues impacting Africa.

Objective 5: Intra-Africa and Global Collaboration and Partnerships

The ATPS continues to consolidate partnerships and cooperation with relevant STI institutions globally. During this reporting period, the below agreements were reached.

7.1 ATPS Signs MoU with African Union Commission, Department of Education, Sciences, Technology, and Innovation

The ATPS and the African Union Commission (AUC) -Department of Education Science, Technology and Innovation signed an MoU on the 18th March 2022. The MoU details the working relationship between ATPS and the AUC in achieving the STI development goals for Africa's development. The two parties have agreed to cooperate and collaborate to establish necessary arrangements for effective cooperation in areas of mutual interest. The ATPS will provide technical support to the



Commission around STI as and when required around the key areas of strength and comparative advantage. They include:

- a) STI Policy Research, Policymaking and Advocacy (STI-RPA)
- b) Training, Sensitisation and Capacity Building (TSC)
- c) Knowledge Brokerage, Management and Commercialization (KBMC)
- d) Intra-Africa and Global Collaboration and Partnership (IGCP)

The MoU sets up a framework for closer collaboration and information exchange in a manner that creates synergistic relationship and partnership.

6. Monitoring, Evaluation and Audit

The ATPS audit for the year 2021 was initiated and was expected to be complete by early 2023 in accordance with the International Standards of Auditing. Zacky & Associates audit firm was selected to conduct the audit. The audit includes examining evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made, and evaluating the overall financial statements.

7. Challenges

7.1 Staffing

There was progress in recruiting and retaining quality staff at the ATPS. Engr. Dr. Joel Nwakaire was also recruited as a postdoctoral Research Officer and joined the team in January. Several positions were advertised in the year and the ATPS recruited Ms. Sheila Wanjeri as the Communications and Outreach Officer, Mr. Nehemiah Ndinwa as the Finance and Admin Officer and Ms. Caroline Karanja as a Finance and Admin Assistant. A post-doctoral Research Officer, Dr. Cynthia Nwobodo was also recruited to lead project implementation for the newly approved project in 2023.

7.2. Securing core Funding

One of the major issues that ATPS still faces is securing core funding for the implementation of ATPS thematic activities. However, attempts are being made to raise funds for the implementation of activities through aggressive fundraising efforts, the formation of new partnerships, collaborative engagements, and the revival of dormant relationships. Some of the proposals submitted during the quarter for funding were successful, under review, or unsuccessful as outlined in Ann



8. Conclusion

The ATPS continues to carry out its operations in accordance with the ATPS Phase VIII Strategic Plan (2017-2022). Despite long-standing financial constraints that will be compounded by the COVID-19 pandemic beginning in 2020, aggressive funds mobilisation through proposal preparation and other fundraising strategies has resumed. We are currently noticing an improvement in project implementation resources. The foundation that the team has already established, has put ATPS in a better position for 2023 and beyond, as the chances for more funding are promising.

ANNEXES

Annex 1: Summary of proposals and EOI's submitted for 2022.

s/n							Staff/Partners involved in the call	
	Proposals/Concept Note submitted	Target Donor(s)	Collaborating Partners	ATPS Budget	Total Budget	Status	Writing Concept note/ Proposal/EOIs	Follow -up
1.	Evaluation of the Contributions of Nature-based Solutions (NbS) and Ecological Restoration to Achieve Socio-Economic Development, and Environmental Restoration in the Western Highlands of Cameroon	Agence Française de Développement (AFD)	-The University of Bamenda, Cameroon -Sustainable Environment Ecotourism and Agricultural Development Organisation (SEEADO) -Association Green Impact -The Ministry of Forestry and Wildlife, Cameroon	-	EUR 242,440	Not successful	Alfred Nyambane	Dr. Nicholas Ozor
2.	Agroecological Innovations for East African Food Systems Transformation (AGRIFEAST)	Horizon 2020	-Westfaelische Wilhelms Universitaet Muenster (WWU) -International Plant genetic resources Institute (IPGRI)	€ 853,275	€ 7million	Under review	Alfred Nyambane, Wentland Muhatiah, Joel Nwakaire and Nicholas	Dr. Nicholas Ozor

			<ul style="list-style-type: none"> -Remote Sensing Solutions -Natural History Museum (NHM) -LEIBNIZ-ZENTRUM FUER AGRARLANDSCHAFTSFORSCHUNG (ZALF) -The International Centre of Insect physiology and Ecology (icipe) -The Food and Agriculture Organization of the United Nations (FAO) -Helmholtz Zentrum Potsdam Deutsches Geoforschungszentrum (Gfz) -Tanzania Wildlife Research Institute -The Stockholm Environment Institute (SEI) -Sokoine University of Agriculture (SUA) -Research, Community and Organizational Development Associates 				Ozor	
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			<ul style="list-style-type: none"> -Environment and Climate Research Center at Policy Studies Institute -International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) -Moi University (MU) -Universitaet Bern -Egerton University -European Research Services (ERS) 					
3.	African Research Culture	Wellcome Trust	ATPS	£60,000	£60,000	Under review	Dr. Nicholas Ozor	Dr. Nicholas Ozor
4.	University-led Ecosystems for a Sustained Innovation and Entrepreneurship Development in Kenya	British Council, UK	ATPS; Open University, UK; Riara University, Kenya	£7,220	£20,000	Successful	Dr Nicholas Ozor, Alfred Nyambane	Dr Nicholas Ozor
5.	Identifying and Prioritizing Policies and Public Investments for Adapting Agri-food Systems to Climate Change	Bill and Mellinda Gates Foundation	ATPS and SEI	\$500,000	\$500,000	Unsuccessful	Mr Alfred Nyambane; Dr Nicholas Ozor	Dr. Nicholas Ozor
6.	Catalysing Sustainable Forest Conservation, Management and Restoration through Co-designed Policy and	UK-PACT	<ul style="list-style-type: none"> -Lancaster University-UK -Stockholm Environment Institute (SEI)-Africa 	£ 1,142,680	£1,877,775	Unsuccessful	Alfred Nyambane, Joel Nwakaire and	Dr. Nicholas Ozor

	Institutional Interventions to strengthen the National REDD+ Programme in Kenya (CaCoPIK)		Center -Pan-African Climate Justice Alliance (PACJA) -Regional Center for Mapping Resources for Development (RCMRD) -Chuka University -Grassroots Development Initiatives Foundation-Kenya (GRADIF-K)				Wentland Muhatiah	
7.	Developing Climate Smart Digital Technologies for Agriculture and Food Security Training Manuals and Toolkits to Promote Resilience in Smallholder Agriculture in East Africa	Global Centre on Adaptation (GCA)	ATPS	Euros 99,598.20	Euros 99,598.20	Cancelled	Wentland Muhatiah	Dr. Nicholas Ozor
8.	Holistic Valorisation of the banana value chain for sustainable banana production to stimulate economic empowerment amongst the youth in Eastern Africa.	icipe/BIOINNO VATE AFRICA	Kenyatta University Makerere University Ibrahim Badamasi Babangida University	USD 86,000	USD 250,000	Unsuccessful	Wentland Muhatiah	Dr. Nicholas Ozor
9.	Diagnostic tool bid	Ashesi University	Riara University	USD 15,000	USD 25,000	Unsuccessful	Wentland Muhatiah	Dr. Nicholas Ozor

Annex 2: ATPS Work Plan 01 January 2022 to 31 December 2022

Strategic Objectives	Outcomes	Planned Activities	Expected time Frame	BUDGET (US\$)			
				IDRC	AFREXIMBANK	Mastercard Foundation	ACET, AAU, CRES, SURE FOOD, STANTEC
Programmatic Objective 1: STI policy research, policymaking and advocacy							
A1. Undertake STI policy research and capacity building in selected sectors to generate evidence-based knowledge for policy and decision-making	<p>1. More available research evidence to inform policies and decision-making at various levels</p> <p>2. Improved capacity of relevant stakeholders to conduct, formulate and implement policies for sustainable development in the selected sectors</p>	<p>A.1.1 Commission STI policy research studies in selected and allied sectors - IDRC: Artificial intelligence for Agriculture and food systems innovation research network</p> <p>Afreximbank TIDE project: support for operational and programmatic activities</p> <p>Mastercard Foundation UPTIER project</p> <p>ACET: JICA New Policy Agenda Study</p> <p>AAU, SURE FOOD, STANTEC</p>	<p>January 2022 to December 2022</p> <p>January 2022 to December 2022</p>	\$86,735.00	\$85,000.00	\$105,426.67	<p>\$20,500.00</p> <p>\$27,464.00</p>

		<p>A.1.2 Collaborate with other institutions to generate more research evidence</p> <p>A.1.3 Strengthen capacities of stakeholders to undertake policy research, policymaking and policy implementation activities</p>					
A2. Influence policies and policymaking at various levels	1. More policies formulated to support sustainable development in selected sectors	A.2.1 Undertake policy advocacy campaigns	January 2022 to December 2022				
<p>Programmatic Objective 2: Training, sensitization and capacity building</p>							
B1 Develop series of STI training manuals	<ol style="list-style-type: none"> 1. Identify hotspots for training interventions through scoping studies. 2. Collaborate with partners to develop training manuals as may be necessary 	<p>B.1.1 Readily available and accessible training manuals to aid sustained STI capacity building in Africa</p> <p>B.1.2 Increased collaborations with other STI actors within and outside Africa</p>	January 2022 to December 2022	\$5,948.00			

<p>B2 Undertake training, sensitization and capacity building for relevant stakeholders on STI related issues</p>	<ol style="list-style-type: none"> 1. More suitable training interventions that meet the needs of stakeholders accomplished 2. More stakeholders become aware and improve their capacity to deploy STI knowledge and skills for socioeconomic development. 3. Increased ability to meet stakeholders' STI needs through training and capacity building 	<p>B.2.1 Undertake capacity needs assessments prior to mounting STI training programs</p> <p>B.2.2 Collaborate with like-minded institutions to implement STI training programs Monitor and evaluate all training programs</p>	<p>January 2022 to December 2022</p>				
<p>Programmatic Objective 3: Youth and gender empowerment</p>							

<p>C.1 Promote the African Youth Forum for Science and Technology (AYFST) and the African Women Forum for Science and Technology</p>	<ol style="list-style-type: none"> 1. Increased youth and women participation in STI with improved capacity to undertake research, policy, and practice for sustainable development. 2. Increased opportunity for knowledge sharing, networking and 	<p>C.1.1 Mobilize youth and women and empower them to harness opportunities in agriculture, energy, environment, and health for development C.1.2 Support regional knowledge sharing and cooperation among</p>	<p>Ongoing through the year Ongoing through the year</p>				
<p>(AWFST) programmes</p>	<p>collaboration among African youth and women</p> <ol style="list-style-type: none"> 3. Increased ability of African youth and women to innovate and solve societal challenges 	<p>youth and women C.1.3 Provide targeted training and capacity building programmes in specialized STI areas C.1.4 Offer fellowships, internships and mentoring services C.1.5 Reward and celebrate African youth and women inventors and innovators</p>					

<p>C.2 Support African youth and women in science, technology, engineering and mathematics (STEM) education, research and investment</p>	<ol style="list-style-type: none"> 1. Production of quality STEM graduates to support industrial growth. 2. More jobs created to absorb young graduates. 3. Increased capacity to manage businesses 	<p>C.2.1 Offer a number of scholarships annually to African youth and women in STEM education and research C.2.2 Offer supports to youth and women with innovative ideas to start up business ventures C.2.3 Provide supports for innovation incubation programmes and links to venture capital</p>	<p>Ongoing through the year</p>				
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Programmatic Objective 4: Knowledge brokerage, management, and commercialization

<p>D.1 Create platforms to increase and strengthen collaboration and networking between and among STI actors for development</p>	<ol style="list-style-type: none"> 1. Increasingly networked science system actors that could translate STI knowledge into products and services. 2. Opportunities for the creation of more jobs and wealth on the continent 	<p>D.1.1 Organize annual stakeholders' meetings, roundtables, fora and dialogue on topical STI issues of national and regional interests D.2.2 Develop innovation incubation and start-up programmes in the selected sectors including agriculture, energy, environment and health</p>	<p>Ongoing through the year</p>	<p>\$14,455.00 \$471,101.00</p>	<p>\$50,000.00</p>	<p>\$18,000</p>	
<p>D.2 Produce knowledge products to enhance knowledge sharing among actors</p>	<ol style="list-style-type: none"> 1. Well-informed African society that is capable of utilizing new knowledge products to better their living conditions 	<p>D.2.1 Publication and dissemination knowledge products such as journal articles, policy briefs, research papers, working papers, issue papers and newspapers customized to the different stakeholder categories D.2.2 Training on how to produce quality STI</p>	<p>Ongoing through the year</p>	<p>\$3,700.00</p>		<p>\$24,000.00</p>	

		knowledge products					
D.3 Offer technology cooperation services between international investors and Africa countries and institutions	1. A mutually beneficial technical cooperation between African countries and international investors	D.3.1 Undertake scoping studies on specific client needs to inform investment decisions D.3.2 Facilitate bilateral agreements for technology transfer and cooperation between African countries and international investors D.3.3 Conduct trainings for personnel working in the interface of technology management					
Programmatic Objective 5: Intra-Africa and Global Collaboration and Partnerships							

E.1 Revitalize the ATPS national chapters in 27 African countries and 3	<ol style="list-style-type: none"> 1. Increased visibility and impacts of the ATPS at the national, regional, and continental levels. 2. Better engagement of the national 	<p>E.1.1 Secure core funding supports from development partners to support the ATPS National Chapters</p> <p>E.1.2 Continually engage the ATPS</p>	Ongoing through the year	\$10,000.00		\$36,400.00	
diaspora chapters to effectively promote STI research, policy and practice in their respective countries	chapters that will lead to more meaningful impacts at various levels	National Chapters in the programmes of the ATPS and in forums at national, regional and continental levels					

<p>E.2 Mobilize financial resources to promote STI development in Africa</p>	<p>1.Improved well-being of the African people through development interventions and supports 2.Increased partnerships and collaboration between and among like-minded institutions.</p>	<p>E.2.1 Partner and collaborate with like-minded institutions and organizations in Africa and beyond to raise funds to implement programmes on STI development with particular interest in agriculture, food and nutrition security; energy; environment and climate change; and health innovations E.2.2 Sign partnership agreements, and MOUs to promote partnerships and collaborations with other institutions</p>	<p>Ongoing through the year</p>				
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E.3 Support the implementation of the AU's Agenda 2063 and particularly the STISA 2024	1. Achieve the Africa we all want - An integrated, prosperous and peaceful Africa driven and managed by its own citizens and representing a dynamic force in the international arena.	E.3.1 Create awareness on the STISA 2024 among relevant institutions and agencies in Africa and beyond E.3.2 Partner with the AUC, its bodies and other pan-African STI organizations to develop and implement programs/projects focusing on the priority areas of STISA 2024 which aims to accelerate Africa's transition to an innovation-led, knowledge-based economy					
Total Programmes in USD Conversion rate € 1 to \$ 1.12, £1 to \$1.34)			591,939.00	135,000.00	183,826.67	47,964.00	
Administration costs			64,900.00	90,000.00	15,037.33		
GRAND TOTAL in USD			656,839.00	225,000.00	198,864.00	47,964.00	

SUMMARY OF PROJECTS

ESTIMATED INCOME	BUDGET (US\$)
INTERNATIONAL DEVELOPMENT RESEARCH CENTRE (IDRC)	656,839.00
AFREXIMBANK	225,000.00
MASTERCARD FOUNDATION	198,864.00
AFRICAN CENTER FOR ECONOMIC TRANSFORMATION (ACET)	20,500.00
ASSOCIATION OF AFRICAN UNIVERSITIES (AAU)	6,036.00
CONSORTIUM FOR ECONOMIC AND SOCIAL RESEARCH (CRES)	12,000.00
GERMAN FEDERAL MINISTRY OF EDUCATION AND RESEARCH (BMBF) - SURE FOOD	5,428.00
STANTEC NA/SV	4,000.00
Total Estimated Income	1,128,667.00

SUMMARY OF SUBMITTED PROPOSALS

Submitted Proposals	BUDGET (US\$)
ACCF DDW	456,803.00
Total Estimated Income (USD)	456,803.00

APPENDICES

1. APPENDIX 1: ATPS Financial Statements
2. APPENDIX 2: Work Plan and Budget for the period
01 January 2023- 31 December 2023
3. APPENDIX 3: Grants Received in 2022 and Summary of the
2023 Estimated Budget
4. APPENDIX 4: ATPS Board Members
5. APPENDIX 5: ATPS Responsible STI Advisory Committee
6. APPENDIX 6: ATPS Regional Steering Committee Members
7. APPENDIX 7: ATPS Secretariat Staff during the period of
01 January 2022- 31 December 2022
8. APPENDIX 8: ATPS National Chapter Coordinators



Science, Technology and Innovation
for African Development

Appendix 1.0: ATPS Financial Statements



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

**STATEMENT OF PROFIT OR LOSS AND OTHER COMPREHENSIVE INCOME
FOR THE YEAR ENDED 31 DECEMBER 2022**

	Note	2022 US\$	2021 US\$
INCOME			
Grant Income	3	885,843.89	808,382.04
Other Income	4	11,227.56	27,183.45
Finance Income	9	(3,407.88)	(537)
		<u>893,663.57</u>	<u>835,028.49</u>
OPERATING EXPENSES			
Project Expenditure	5	(561,107)	(283,769)
General administration	5	(141,781)	(105,003)
		<u>(702,888)</u>	<u>(388,772)</u>
(DEFICIT) / SURPLUS FOR THE YEAR		<u>190,776</u>	<u>446,256</u>

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

**STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED 31 DECEMBER 2022**

	Note	2022	2021
		US\$	US\$
OPERATING ACTIVITIES			
(Deficit)/Surplus for the year		190,776	446,256
Prior year adjustment		0	(21,089)
Adjustments for:			
Depreciation		3,946	5,169
Amortisation		1,349	1,269
Prior year adjustment		(269)	181
Operating (deficit)/surplus before working capital changes		<u>195,802</u>	<u>431,786</u>
(Increase) / Decrease in other receivables		(24,836)	852
Increase/(Decrease) in payables and accruals		<u>41,870</u>	<u>76,904</u>
Net cash used in operating activities		<u>212,836</u>	<u>509,542</u>
INVESTING ACTIVITIES			
Purchase of furniture and equipment		<u>0</u>	<u>0</u>
Net cash outflow from investing activities		<u>0</u>	<u>0</u>
(Decrease)/Increase in cash and cash equivalents		212,836	509,542
Cash and cash equivalents at 1 January		533,028	23,486
Cash and cash equivalents at 31st December		<u><u>745,864</u></u>	<u><u>533,028</u></u>
Represented by:			
Bank and cash balances		<u><u>745,864</u></u>	<u><u>533,028</u></u>

Appendix 2.0: Workplan for the Period 01 January 2023- 31 December 2023



ATPS WORK PLAN 01 JANUARY 2023 TO 31 DECEMBER 2023

Strategic Objectives	Outcomes	Planned Activities	Expected time Frame	Donors & Budgets (US\$)				
				IDRC	AFREXIM BANK	MasterCard Foundation	African Development Bank (AfDB)	SSFA, AESU,CRES,AESA
Programmatic Objective A: STI policy research, policymaking and advocacy								
A.1. Undertake STI policy research and capacity building in selected sectors to generate evidence-based knowledge for policy and decision-making	<p>A.1.1 Improved Policy Formulation: Research conducted in selected sectors can provide policymakers with a deeper understanding of the challenges and opportunities within those sectors.</p> <p>A.1.2 Increased Innovation: By identifying areas with potential for innovation and growth, STI policy research can</p>	<p>A.1.1.1 Commission STI policy research studies in selected and allied sectors - <i>IDRC: Managing Organization (Hub) for Responsible Artificial Intelligence for Agriculture and Food Systems (AI4AFS)</i></p> <p><i>IDRC: Strengthening The National Research and Innovation Funding Agencies in West Africa (SRIFA)</i></p>	<p>January 2023 to December 2023</p> <p>January 2023 to December 2023</p>	\$146,601.00	\$40,000.00	\$59,516.00	\$112,175.15	\$47,576.95

	<p>stimulate investment in research and development (R&D) activities.</p> <p>A.1.3. Strengthened Stakeholder Collaboration: Capacity building initiatives can bring together stakeholders from government, academia, industry, and civil society to collaborate on research projects and share knowledge and best practices.</p> <p>A.4. Informed Public Discourse: Research findings generated through STI policy research can contribute to public debates on issues related to science, technology, and innovation.</p>	<p><i>Afreximbank TIDE project: support for operational and programmatic activities</i></p> <p><i>Mastercard Foundation UPTIER project - Understanding the Policy and Institutional Landscape for Technological Innovation Development in Africa to Enhance Youth Employability, Entrepreneurship and Job Creation</i></p> <p><i>AfDB: Building the Capacity of Selected sub-Saharan African Countries to Effectively Measure Progress in their Nationally Determined Contributions' Implementation</i></p>						
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		<i>Using Tracking Tools and Indexes</i>						
		A.1.3.1 Collaborate with other institutions to generate more research evidence						
A.2. Advancing Women's Participation in Science and Technology in Agriculture.	A.2.1 Developed policy recommendations and advocacy strategies aimed at promoting gender diversity and inclusivity in agricultural research institutions, universities, and extension services	A.2.1 Conducting research to understand the factors influencing women's participation in STI fields related to agriculture	January 2023 to December 2023					
Programmatic Objective B: Training, sensitization and capacity building								
B.1. Develop series of STI training manuals.	B.1.1 Enhanced knowledge and skills, build capacity, promote innovation, improved research	B.1.1.1 Conducting needs assessments, designing comprehensive curricula, creating	January 2023 to December 2023					

	<p>and development, facilitate knowledge sharing and collaboration, and empower individuals and communities for sustainable development and inclusive growth.</p> <p>B.1.2 Increased collaborations with other STI actors within and outside Africa</p>	<p>instructional materials, conducting pilot testing, revising based on feedback, training facilitators, and disseminating the manuals for implementation.</p> <p>B.1.2.1 Collaborate with partners to develop training manuals.</p>						
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<p>B.2 Undertake training, sensitization and capacity building for relevant stakeholders on STI related issues</p>	<p>B.2.1 More suitable training interventions that meet the needs of stakeholders accomplished.</p> <p>B.2.2 More stakeholders become aware and improve their capacity to deploy STI knowledge and skills for socioeconomic development</p> <p>B.2.3 Increased ability to meet stakeholders' STI needs through training and capacity building</p>	<p>B.2.1.1 Undertake capacity needs assessments prior to mounting STI training programs</p> <p>B.2.2.1 Collaborate with like-minded institutions to implement STI training programs Monitor and evaluate all training programs</p>	<p>January 2023 to December 2023</p>					
<p>Programmatic Objective C: Youth and gender empowerment</p>								

<p>C. Support African youth and women in science, technology, engineering and mathematics (STEM) education, research and investment</p>	<p>C.1 More jobs created to absorb young graduates</p> <p>C.2 Increased capacity to manage businesses</p>	<p>C.1.1 Offer supports to youth and women with innovative ideas to start up business ventures</p> <p>C.2.1 Provide supports for innovation incubation programmes and links to venture capital</p>	<p>Ongoing through the year</p> <p>Ongoing through the year</p>		<p>\$10,000.00</p>			
<p>Programmatic Objective D: Knowledge brokerage, management and commercialization</p>								
<p>D.1. Create platforms to increase and strengthen collaboration and networking between and among STI actors for development</p>	<p>D.1.1 Increasingly networked science system actors that could translate STI knowledge into products and services</p> <p>D.1.2 Opportunities for the creation of more jobs and wealth on the</p>	<p>D.1.1.1 Organize annual stakeholders' meetings, roundtables, fora and dialogue on topical STI issues of national and regional interests</p> <p>D.1.2.2 Develop innovation incubation and start-up programmes in the</p>	<p>Ongoing through the year</p>	<p>\$261,723.00</p>				

	continent	selected sectors including agriculture, energy, environment and health						
D.2 Produce knowledge products to enhance knowledge sharing among actors	D.2.1 Well-informed African society that is capable of utilizing new knowledge products to better their living conditions	<p>D.2.1.1 Publication and dissemination knowledge products such as journal articles, policy briefs, research papers, working papers, issue papers and newspapers customized to the different stakeholder categories</p> <p>D.2.1.2 Training on how to produce quality STI knowledge products</p>	Ongoing through the year	\$3,700.00		\$24,000.00		
D.3 Offer technology cooperation services between international investors and Africa countries and institutions	D.3.1 A mutually beneficial technical cooperation between African countries and international investors	<p>D.3.1.1 Undertake scoping studies on specific client needs to inform investment decisions</p> <p>D.3.1.2 Facilitate bilateral agreements for technology transfer and cooperation</p>						

		<p>between African countries and international investors</p> <p>D.3.1.3 Conduct trainings for personnel working in the interface of technology management</p>						
Programmatic Objective E: Intra-Africa and Global Collaboration and Partnerships								
E.1 Revitalize the ATPS national chapters in 27 African countries and 3 diaspora chapters to effectively promote STI research, policy and practice in their respective countries	<p>E.1.1 Increased visibility and impacts of the ATPS at the national, regional and continental levels</p> <p>E.1.2 Better engagement of the national chapters that will lead to more meaningful impacts at various levels</p>	<p>E.1.1.1 Secure core funding supports from development partners to support the ATPS National Chapters</p> <p>E.1.2.1 Continually engage the ATPS National Chapters in the programmes of the ATPS and in forums at national, regional and continental levels</p>	Ongoing through the year	\$4,900.00		\$36,400.00	\$26,250.00	
E.2 Mobilize financial resources to promote STI	E.2.1 Improved well-being of the African people through	E.2.1.1 Partner and collaborate with like-minded institutions and	Ongoing through the year					

development in Africa	development interventions and supports	organizations in Africa and beyond to raise funds to implement programmes on STI development with particular interest in agriculture, food and nutrition security; energy; environment and climate change; and health innovations						
	E.2.2 Increased partnerships and collaboration between and among like-minded institutions.	E.2.2.1 Sign partnership agreements, and MOUs to promote partnerships and collaborations with other institutions						
Total Programmes in USD				416,924.00	50,000.00	119,916.00	138,425.15	47,576.95
Administration costs				50,800.00	50,000.00	129,700.00	6,151.68	2,504.05
GRAND TOTAL in USD				467,724.00	100,000.00	249,616.00	144,576.83	50,081.00

Grants Received in 2022

S/N	TITLE OF GRANT	DONORS	GRANTS' VALUE
1	Building Capacity of Selected Sub-Sahara African Countries to Effectively Measure Progress in their Nationally Determined Contributions Implementation Using Tracking Tools and Indexes.	African Development Bank	\$456,803.00
2	Solutions for Universal Access to Childcare Services that encourage Economic participation of Senegalese Women.	The Consortium For Economic And Social Research -Cres	\$11,404.00
3	Small Scale Funding Agreement - SSFA Project	United Nations Environment Programme	\$22,500.00
4	Strengthening the National Research and Innovation Funding Agencies in West Africa	IDRC	\$729,320.00
		Total	\$1,220,027.00

Summary of the 2022 Estimated Budget

ESTIMATED INCOME	BUDGET (US\$)
INTERNATIONAL DEVELOPMENT RESEARCH CENTRE (IDRC) – AI4AFS	185,514.00
INTERNATIONAL DEVELOPMENT RESEARCH CENTRE (IDRC) – SRIFA	282,210.00
AFREXIM BANK	100,000.00
MASTERCARD FOUNDATION	249,616.00
AFRICAN DEVELOPMENT BANK (AfDB) - ACCF	144,576.83
UNITED NATIONS ENVIRONMENT PROGRAMME (UNEP) - SSFA	15,000.00
RIARA UNIVERSITY - (AESU)	5,290.00
CONSORTIUM FOR ECONOMIC AND SOCIAL RESEARCH (CRES)	1,667.00
AGRICONSULTING EUROPE (AESAs) - ClimSA	28,124.00
TOTAL ESTIMATED INCOME	1,011,997.83

Appendix 4.0: 2021 ATPS Board Members



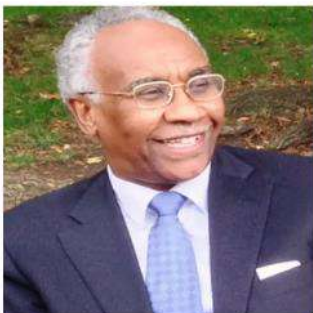
Prof. Crispus Makau Kiamba
Chairperson



Dr. Akanimo Odon
Director



Prof. Azikiwe Peter Onwualu
Director



Dr. El Tayeb Mustafa
Director



Dr. George Owusu Essegbey
Director



Prof. Chinwe Ifejika Speranz
Director



Prof. Nicholas Ozor
Executive Director and Secretary

APPENDIX 5.0: ATPS Responsible STI Advisory Committee



1. Dr. George O. Essegbey
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 de LA PORTE: 357B
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2. Dr. Musa A. Dube
 (ATPS National
 Chapters Southern
 Africa Representative)
 ATPS-Swaziland
 National Coordinator
 Senior Lecturer &
 ATPS National
 Coordinator Faculty of
 Agriculture, University
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 527 40 21
 Email:madube@agric.u
 niswa. sz



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