



Climate Change Innovation Award 2010

CALL FOR CONCEPT PAPERS

(Call No. ATPS-CP/0400/10)

Building the capacity of Africa's youth in climate change adaptation and impacts mitigation, and resilience building through science, technology and innovation

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About ATPS

The African Technology Policy Studies Network (ATPS) is a leading multi-disciplinary network of researchers, practitioners and policy makers that promotes science, technology and innovation (STI) policy research, dialogue and practice, for African development. Its mission is to improve the quality of science, technology, and innovation research, policy and practice for sustainable development in Africa, by Africans for Africans. The fundamental strategic goal of ATPS is to build Africa's STI capacity today for sustainable development tomorrow. With its secretariat headquarters in Nairobi, the ATPS works through national chapters in 23 countries in sub-Saharan Africa with a vision to cover the whole of the region by 2015. The regional secretariat and the national chapters provide ground facilities and platforms for STI capacity building at both regional and national levels. For details see: <http://www.atpsnet.org>

About AYFST and the Youth Innovation Challenge (Y I CAN) Program

The African Youth Forum on Science and Technology (AYFST) was initiated by ATPS in 2005 in collaboration with the Technical Centre for Agricultural and Rural Cooperation (CTA), the Netherlands. Since then the AYFST has provided a useful platform for African young professionals to build capacity in science, technology and innovation policy research, policy dialogue and policy practice. The forum and its website (<http://www.ayfst.org>) were formerly launched during the second African Youth Congress on Science and Technology in Accra, Ghana co-organised by the ATPS, CTA, CSIR, among other partners.

Objectives of AYFST are to:

1. Build the capacity of African youth through training, information sharing, networking and dialogue in relevant topical and developmental issues.
2. Promote youth participation in policy formulation and implementation processes at all levels with a focus on agriculture, science, technology and innovation (ST&I) and development.
3. Promote a culture of science, technology and innovation consciousness among Africa's young generation.
4. Promote youth-led, demand-driven research and development initiatives in agriculture, science, technology and innovation.

During an AYFST steering committee meeting held in Mombasa, Kenya from July 13-16 2009, ATPS launched a new programme known as the Youth Innovation Challenge (Y I CAN). Under the auspices of the AYFST, the Y I CAN programme is designed to build a culture of innovation amongst young people in Africa by facilitating targeted linkages with the quadruple helix (Researchers, Private Sector, Civil Society and Policy Makers).

Rationale for the Call for Proposals

The emerging challenges of climate change and its associated impacts, such as rise in temperatures, increased degradation of land and forest ecosystems, biodiversity loss, variable rainfall patterns and poor air quality, continue to undermine the provision of vital basic ecosystem services on which many African economies depend. The ATPS believes that within these challenges are endless opportunities, for African Youths to demonstrate their innovative talents and scientific and technological capacities to address them. Since 2004, ATPS has therefore been creating a common platform for tackling climate change challenges in Africa and globally.

In November 2009 (Abuja, Nigeria) ATPS in partnership with the United Nations Environment Program (UNEP) officially launched the “**Climate Sense Programme**” (CSP) which aims to promote Climate Change dialogue and encourage new scientific breakthroughs, new technologies and innovations, Innovation Incubation Initiatives, to address the climate challenge at all levels of African Society (see <http://www.atpsnet.org/prog/csp.html> and http://www.atpsnet.org/docs/annual_conference_2009.pdf).

Supported mainly by the Netherlands Directorate-General of Development Cooperation (DGIS) and the Rockefeller Foundation, the CSP has provided platforms for African stakeholders to become part of the solution to climate change in Africa.

It is under the auspices of the CSP and twin programs of the ATPS Phase VI Strategic Plan, 2008 – 2012, i.e. the Y I CAN and WE CAN programs, that the ATPS is pleased to announce a Call for Concept Papers for a **Climate Change Innovation Award 2010**.

Strategic Objectives

The objectives of this call include:

1. 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.
2. Harness new ideas, prototype technologies and ground breaking scientific research and/or craftsmanship in designing 'workable solutions' for addressing the climate challenge and harness the development opportunities in "*climate change industry*" for African development.
3. Mobilise and support African Youths 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 Champions** in Africa.
4. Mobilize youth across the continent and amplify their voices in making sense of climate science, economics, politics, and opportunities in Africa, and
5. Mainstream a culture of innovation among African youth in finding solutions to development challenges such as climate change.

Call Categories

The ATPS welcomes proposals under the following categories:

CP/0401/10: **Ongoing Research Projects** that include a tangible "make" or "design" perspective and demonstrate how it will lead to *tangible technologies, organisational reforms, or new policies* for addressing tangible climate induced problems at local levels. Applications in this category **MUST** include the full manuscripts on the research project describing *tangible technologies, organisational reforms, or new policies and identified funding linkages to impact investors*.

CP/0402/10: **Prototypes of new technologies** requiring *incubation and up scaling* to innovations for climate change adaptation, mitigation and resilience building. Applications in this category **MUST** be accompanied by letters of support by the prospective Incubation Centres or must identify funding linkages to impact investors.

CP/0403/10: Tangible propositions for **local or international Internships/Mentorships** and **Innovation Incubation Initiatives** in selected STI institutions, the formal Private Sector, or Government Agency in Africa, or elsewhere. Applications in this category **MUST** be accompanied by letters of support by the prospective Incubation Centres, Institutions, Government Agency or Private Sector establishments, describing how the "budding innovative idea" will be incubated into tangible technologies and innovations for development in Africa.

CP/0404/10: **Empirical case examples** of sustainable indigenous knowledge practices in climate change adaptation, impact mitigation and resilience capacity building in rural

African communities. This can include indigenous practices by local communities who might not otherwise be able to submit proposals.

CP/0405/10: Best case examples on how the challenge and opportunities of climate change can be effectively **communicated** to policymakers, private sector actors, scientists and the civil society in Africa.

In line with the CSP objectives, each application should make tangible contributions to better understanding of the science, economics, politics, and innovative opportunities in the challenge of climate change, and inform better response strategies through STI.

Proposal Requirements

All proposals **MUST** be submitted in Microsoft Word format, font size 12, and not more than 10 pages, double spacing. The proposal **MUST** include the following sections:

Section	Information required
Cover Page	Project Title: Full title of the proposed project
	Call Category: An indication of the call category <i>CP/0401/10 – CP/0405/10</i> under which the application should be considered
	Contact Details of Proponent(s): Full names and title, physical address, specialization, email address, and telephone numbers of the Lead Investigator/project Leader, and all collaborators.
Project Synopsis	A one page brief overview of the key components of the project and how they address the challenges of climate change
Body of proposal	Detailed description of the project background, rationale, methods, results and discussion, implementation strategies, and recommendations
Project Milestones, Expected Deliverables/Policy outcomes	List of project milestones, expected tangible outputs and policy outcomes. Tangible outputs may include research papers, prototype technologies, and new innovations requiring incubation.
Incubation Plan and Plans for Up-scaling	Description of the “make” or “design” aspect and how the project, technology or innovation can be institutionalized, applied to social use or up-scaled into cost effective technologies that address the challenges of climate change in Africa or the inherent policy gaps
Duration and Budget	Indicative duration and budget estimates for the project activity in local currency and US \$ Dollars. Maximum budget will be defined by the nature of the project but should be no more than US\$10,000.00 only.

Submission Guidelines:

All proposals should be submitted **by e-mail to** executivedirector@atpsnet.org, with a **forwarding letter signed by the Lead Proponent to the address below:**

Executive Director,
African Technology Policy Studies Network (ATPS)
3rd Floor, The Chancery, Valley Road
P O Box 10081-00100,
Nairobi, Kenya

Submission Deadline: 17.00 Hours East African Time (GMT+3) on **15 July 2010**. Proposals received after the deadline will be automatically rejected by the ATPS Electronic Grants Management System (EGMS).

Eligibility Criteria

1. All proponents must be registered members of the ATPS and her youth program, the AYFST. For registration visit: <http://www.atpsnet.org/membership.php>, and http://www.atpsnet.org/prog/yican_application.php
2. All proponents must be **African youths** aged between **18 – 35 years**. *Africans in the Diaspora and young women innovators within the age bracket above are encouraged to apply.*

Selection Timeline and Procedure

1. All applications received will be acknowledge by e-mail through the ATPS EGMS on **16 July 2010**,
2. All received applications will be peer reviewed by the CSP Research Persons and AYFST Steering Committee at a workshop planned for the 3rd week of May 2010.
3. All applications received will be reviewed by an Independent International Expert Panel and pre-advice provided to shortlisted applicants by **31 July 2010**,
4. Shortlisted candidates will be invited to a proposal tournament scheduled on **November, 2010**. The tournament will provide a platform for wider peer review by ATPS and AYFST members and stakeholders.
5. Winners of the Climate Innovation Awards will receive a joint ATPS/UNEP prizes as **African Climate Innovators**. ATPS will also provide support for (i) the processing and publication of scientific manuscripts and best case examples in an edited book volume, (ii) incubation of prototype ideas and innovations through youth internships in the relevant sectors, and (iii) support towards the up scaling of prototype technologies, mentorship, market access, and linkage to social capital investors, respectively.

Potential Partners

The ATPS Secretariat is in discussions with relevant Social and Venture capitalists to provide management, advisory services, mentorship and other forms of support to the winning incubatees.

Other potential partners are also invited to contact ATPS via-email at executivedirector@atpsnet.org.