



AFRICLIMATE SYSTEMS, JUST TRANSITION and FINANCE 2023 SYMPOSIUM

30 March - 1 April 2023

National Space Research and Development
Agency (NASRDA), Abuja, Federal Capital
Territory, Nigeria

AFRICLIMATE-FINANCE 2023

THEME: Advancing Climate Change Management in Africa

ORGANIZING INSTITUTIONS:

- **Human Sciences Research Council of South Africa (HSRC)**, Pretoria, South Africa
- **Directorate of Technical Cooperation in Africa (DTCA)**, Ministry of Foreign Affairs, Nigeria
- **National Space Research and Development Agency (NASRDA)**, Nigeria
- **Global Institute for Sustainable Development, Advanced Analyses and Design (GISDAAD)**, Africa Regional Office, Nigeria

DATE: 30 March - 1 April, 2023

VENUE: **National Space Research and Development Agency (NASRDA)**,
Abuja, Federal Capital Territory, Nigeria



INTRODUCTION

Climate finance is urgently required to assist low-income countries in coping with the impacts of climate change, including the frequency and intensity of extreme weather events, lower crop yields, and rising sea levels. Events like water scarcity and rising temperatures disproportionately affect Africa's most vulnerable countries, with repercussions predicted to be greatest in areas most exposed to climate change's effects.

Climate finance can help African countries adapt to climate change by increasing resilience, reducing vulnerability, and increasing the productivity of land and water resources. Donations, government funding, and other sources will be vital means of funding for the myriad adaptation initiatives that will be required over the coming decades to lessen the effects of Climate Change in Africa.

A clear strategy of collaboration and partnership is necessary to ensure that Africa is successful in generating funds for Climate Change activities. This necessitates the growth of partnerships and collaboration, supported by robust diplomatic engagements in science and technology among the African nations.

Areas that greatly need climate finance are water and sanitary conditions in Africa, greater agricultural productivity, and the stability and resilience of African economies. In countries that are most vulnerable to the effects of Climate Change, such as those in the Mediterranean basin, Southern Africa, and West and Central Africa, these are most obvious. The humanitarian organizations and the international financial institutions need to assist in mobilizing both local and foreign financial resources to support the governments in these regions as they adapt to climate change in order to sustain and strengthen these countries' poor economies.

By encouraging Climate Change prevention and adaptation in all nations, the **United Nations Framework Convention on Climate Change** and its **Kyoto Protocol** have made significant progress in this direction. However, it is becoming increasingly important to address the adaptation needs of developing countries and, as a result, to foster new financial and technical partnerships.

Climate finance can support sustainable development and lessen the harm caused by extreme weather occurrences in all nations, but particularly in the developing nations of Africa. The most crucial thing in developing countries is to eliminate poverty and establish adaptation measures in order to lessen the susceptibility of their populations to Climate Change.

On the other hand, the world is witnessing a movement towards Just Transition in many industries. The time has come for the energy sector to follow suit and embrace Just Transition. Africa is currently one of the neediest regions of the world requiring reliable supply of energy from various sources that are at its disposal, hence it also needs to catch up with the tackling of Climate Change. It has the lowest carbon emission and is thus expected to follow the direction of the world when it comes to Just Transition.

It has been estimated that the Continent will need a US\$3.7 trillion investment over the next 20 years to meet its 2030 Climate objectives. In order to tackle this problem, Africa is expected to fully embrace Just Transition. It is for this consideration that a framework for Climate Finance and Just Transition is needed in Africa.

Just Transition is a green transition with fairness and sustainability at its core. The carbon price should reflect the full cost of carbon emissions, and the revenues should be used to promote Just Transition activities such as renewable energy and Climate Change adaptation measures. Like addressing Climate Change through climate finance, Just Transition can contribute to poverty alleviation by creating employment and improving the lives of millions of people in Africa.

OBJECTIVES:

- Build advanced knowledge and skills for reducing vulnerabilities of organizations and communities to climate change through the use of integrated approaches;
- Engage participants to build capacity for testing of innovative and catalytic approaches to policy formulation, information dissemination, regulatory development and planning aspects of climate change education and adaptation;
- Enhance the exchange of experience and information on best practices regarding revolving climate change education and adaptation programmes of ministries, academic institutions, industry, NGOs, the media and agencies at the international, national and local levels;
- Develop learning and information materials and compendia on opportunities for using various technologies (such as space systems, GSM telephone, radio, television, ICT and other systems) to support management of climate change impacts; and
- Review and analyze methodologies for cost-effective implementation of systems for managing and adapting to climate change impacts.

GOAL:

Advancing Climate Change Management in Africa through Partnerships, Science Diplomacy and Development of Technical Systems to support South Africa, Nigeria and Africa in pursuit of African Union Agenda 2063 and Industrial Adaptation to Climate Change

FORMAT:

The format of **AFRICLIMATE-FINANCE 2023** comprises interactive roundtable discussion sessions featuring renowned climate experts; guest lectures/speeches and a keynote lecture; a briefing session by programme leaders; and a training section covering courses on various aspects of climate change impacts characterization and management to be taught by distinguished experts.

EXPECTED PARTICIPANTS:

- Africa Continent-wide Organizations
- National and State Ministries and Agencies
- Diplomatic Missions and International/Inter-governmental Agencies
- Federal, States and Local Government Legislators
- Members of the Judiciary, Legislative Chambers & Justice Ministries
- Media Houses and Members of the Press
- Corporations in the Telecommunication, Agricultural, Aviation, Construction, Manufacturing, Petroleum & Mining Sectors
- NGOs, Private Firms, Relevant Governmental Agencies
- Members of the general public
- Research & Academic Institutions
- Students from Academic Institutions
- Individuals with vested interest in climate change issues
- Hospitals and Health Centres

SYMPOSIUM PARTNERS

- **Human Sciences Research Council of South Africa (HSRC)**, Pretoria, South Africa
- Institute for Pan-African Thought and Conversation, **University of Johannesburg**, South Africa
- **Directorate of Technical Cooperation in Africa (DTCA)**, Ministry of Foreign Affairs, Abuja, Nigeria
- **National Space Research and Development Agency (NASRDA)**, Abuja, Nigeria
- **Global Institute for Sustainable Development, Advanced Analyses and Design (GISDAAD)**, Africa Regional Office, Abuja, Nigeria
- **National Institute for Policy and Strategic Studies (NIPSS)**, Kuru, Plateau State, Nigeria

CO-CHAIRS

Dr. Thokozani Simelane
Ambassador Rabi Dagari mni
Dr. Halilu Shaba

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OPENING SESSION

- 08:00** On-site registration of participants
- 09:00** National anthems (Nigeria & South Africa)
- 09:05** **Welcome Remarks:** **Ambassador Rabiú Dagari mni**, Symposium Co-Chairman and Director-General, Directorate of Technical Cooperation in Africa (DTCA), Nigeria.
- 09:10** **Opening Remarks:** **Ms Mammpei Chaba**, Chief Director, Department of Science and Innovation (DSI), South Africa [Virtual]
- 09:15** **Opening Remarks:** **Prof Sarah Mosoetsa**, CEO Human Sciences Research Council, South Africa [Virtual]
- 09:20** **Presentation:** *Ongoing Climate Change-Related International Collaboration involving NASRDA:* **Dr. Halilu Shaba**, Symposium Co-Chairman and Director-General, **National Space Research and Development Agency (NASRDA)**, Abuja, Nigeria
- 09:40** **Special Guest Presentation:** “Sustainable Approach to Climate Change Management in Africa – the Role of Funding Agencies”: **Prof. Kevin Uramah**, Vice President, **African Development Bank**, Abidjan, Cote D’Ivoire
- 10:00** **Keynote Presentation:** “Climate Change Hazards in Africa and their Sustainable Management Systems”: **Prof. Hilary I. Inyang**, Symposium Co-Chairman and US Ambassador’s Distinguished Scholar, **Bahir Dar University**, Ethiopia and Chairman, **Global Institute for Sustainable Development, Advanced Analyses and Design (GISDAAD)**, Concord, North Carolina, USA
- 10:30** **Special Guests’ Remarks:**
H. E. Mr. Thami D. Mseleku, High Commissioner to Nigeria, **South African High Commission**, Abuja, Nigeria
Ambassador Zubairu Dada, Honourable Minister of State, **Ministry of Foreign Affairs**, Nigeria

GROUP PHOTOGRAPHS

- 10:45** **Tea Break**
- 11:00** **PLENARY SESSION I**
Panel Presentations: *Emerging South Africa-Nigeria Bi-National and African Continental Initiatives on Knowledge System and Climate Change*
- Moderator:** **Ambassador Rabiú Dagari mni**, Director-General, **Directorate of Technical Cooperation in Africa (DTCA)**, Abuja, Nigeria

Panelists:

- I. *Human Dimensions of Global Climate Change Project:* **Prof. Charles Hongoro**, Strategic Lead (Deputy Executive Director), Sustainable Human Security in the Developmental, Capable and Ethical State (DCES) Division, **Human Sciences Research Council (HSRC)**, South Africa.
- II. *NIPSS Policy Analyses and Activities on Global Climate Change and Just Energy Transition:* **Professor Ayo Omotayo**, Director-General, **National Institute for Policy and Strategic Studies (NIPSS)**, Nigeria.
- III. *Africa Science Forum and South African Food and Nutrition Security Program:* **Dr. Thokozani Simelane**, Research Supervisor, **Human Sciences Research Council (HSRC)**, Republic of South Africa.
- IV. *University of Johannesburg,* **Prof. Thulisile Mphambukeli**, Head of the Department of Regional and Urban Planning at the **University of Johannesburg**.
- V. *The African Continental Research Foundation (ACRF) Initiative:* **Prof. Hilary I. Inyang**, US Ambassador’s Distinguished Scholar to Ethiopia, Bahir Dar University, Ethiopia and Chairman, **Global Institute for Sustainable Development, Advanced Analyses and Design (GISDAAD)**, Concord, North Carolina, USA

13:30 LUNCH

15:00 PLENARY SESSION II

Panel Discussion: *Regulatory and Policy Systems for Climate Change Management*

Themes

- National, regional and local policies that can address climate change and its impacts in Africa
- Legal instruments for implementation of livelihood and human rights protection systems for the poor in response systems against climate change impacts
- Impacts of climate change in various economic sectors in Africa in general, and South Africa, Nigeria and Ethiopia in particular
- Clean Development Mechanisms (CDM), Just Energy Transition and other financial support systems to promote green economy in Africa

Moderator: *Dr.Christian Green*, Specialist, Research and Economic Modelling, **Department of Public Enterprise**, South Africa.

Panelists:

- I. Dr. Vuyo Mjimba**, Chief Research Specialist and Director, Africa Institute of South Africa, **Human Sciences Research Council (HSRC)**, South Africa.
- II. Dr. Lamin G. Barrow**, Director-General, **African Development Bank (AfDB)**, Nigeria
- III. Dr. Muritala Oke**, Head of Department, *Science, Technology and Innovation Studies*, **National Institute for Policy and Strategic Studies (NIPSS)**, Nigeria
- IV. Mr. Cyprian F. Edward-Ekpo**, Registrar, **International Institute for Humanitarian and Environmental Law**, Nigeria
- V. Mrs. F. O. Akaakar**, Dean of Faculty of Law, **Rivers State University of Science & Technology**, Port Harcourt & President, National Association of Law Teachers, Nigeria
- VI. Dr. Iniobong Abiola**, Director, Climate Change Department, **Federal Ministry of Environment**, Nigeria
- VII. Ms. Funmi Eyeoyibo**, Principal Partner, **Pristine EcoAqua Ng**, Nigeria.

17:15 Interventions

18:00 Day 1 Closing Statement: *Dr. Thokozani Simelane*, Research Supervisor, **Human Sciences Research Council (HSRC)**, South Africa & Workshop Co-Chairman.

09:00

PLENARY SESSION III

Panel Discussion: *Technical Support Systems for Climate Change Mitigation and Adaptation*

Themes

- Predictive tools for climate change impacts prediction
- Satellite and ground-based monitoring technologies for tracking manifesting climate change impacts
- Databases for climate change information storage
- Engineering design methodologies for management of climate change impacts
- Technical codes and standards for resilient infrastructure development

Moderator: **Prof. Olayemi Akinwumi**, Vice-Chancellor, **Federal University**, Lokoja, Kwara State, Nigeria.

- I. Dr. DanAzumi Ibrahim**, Director General, **National Office for Technology Acquisition and Promotion (NOTAP)**, Nigeria
- II. Mr. Ned Jessup**, Chief Operating Officer and Executive Director, **P&A Environmental Solutions Partners Limited**, Abuja, Nigeria.
- III. Dr. Godstime James**, Director, *Mission Planning and Satellite Data Management*, **National Space Research and Development Agency (NASRDA)**, Nigeria
- IV. Dr. Mathias Fonkam**, Associate Professor of Computer Science, **Penn State University**, Pennsylvania, USA.
- V. Dr. Clement O. Ebin**, Executive Director, **African Ecological Restoration Foundation**, Nigeria.
- VI. Dr. Fidelis Abija**, Senior Research Associate, **Global Institute for Sustainable Development**, Advanced Analyses and Design (GISDAAD), *Africa Regional Center*, Abuja, Nigeria.
- VII. Dr Edith Madela-mntla**, Lecturer, School of Public health, **University of Pretoria**, Pretoria, South Africa.

11:00

Tea Break

11:30

PLENARY SESSION IV

Panel Discussion: *Climate Change Educational Initiatives*

Themes

- Development of curricula at various educational levels to build knowledge on climate change issues
- Authorship of textbooks and other intellectual documents to support educational programmes on global climate change
- Integration of field studies in educational programmes to support and attract student interest in climate change issues
- Research issues and laboratory facilities within the private and public sectors to support climate change initiatives

Moderator: **Prof. Effiom E. Antia**, Professor of Oceanography, **University of Calabar**, Nigeria and Vice President for **International Society of Environmental Geotechnology (ISEG)**, Africa

- I. Prof. Godwin E. Mbamalu**, Associate Vice President for Research, **Benedict College**, Columbia, South Carolina, USA
- II. Dr. Victor Fodeke**, Former Specialist on Climate Change, **African Union**, Headquarters, Addis Ababa, Ethiopia
- III. Prof. Hussani Doko Ibrahim**, Director-General, **Raw Materials Research and Development Council (RMRDC)**, Nigeria
- IV. Mrs. Osatohanmwon (Osato) Anastasia Eruaga** Ph.D., Associate Professor (Research), Head of Department, Private and Property Law, **Nigeria Institute of Advanced Legal Studies (NIALS)**, Nigeria.
- V. Prof. Siphamandla Zondi**, Director, Institute for Pan-African Thought and Conversation, **University of Johannesburg**, South Africa.
- VI. Prof. Thanyani Madzivhandila** Research Director. Developmental, Capable and Ethical State. Human **Sciences Research Council (HSRC)**, South Africa

14:00 LUNCH

16:00 PLENARY SESSION V

Panel Discussion: *Media and Information Dissemination on Climate Change*

Themes:

- The role of print media on dissemination of climate change information
- Access to rural communities and gatherings for engagement on climate change adaptation programmes
- The use of television and radio for communication of hazards and their control measures
- Networking mechanism for improving climate change adaptation programmes at the international level in Africa
- The role of science diplomacy in climate change management and financing

Moderator: **Mr. Cyril Stober**, News/Programme Presenter, **Nigerian Television Authority (NTA)**, Nigeria

I. Ms. Tracy Uzoigwe, Broadcaster and Managing Director, **Living Earth Television Program**, Love FM, Abuja, Nigeria

II. Dr. Thokozani Simelane, Research Supervisor, **Human Sciences Research Council (HSRC)**, South Africa

III. Mrs. Aisha Bello, Presenter, Environmental Affairs, **Nigerian Television Authority (NTA)**, Nigeria

IV. Chief Noble Akenge, Publisher, **Environment Magazine**, Bayelsa State, Nigeria

V. Mr. Udeme Akpan, Energy Editor, **Vanguard Newspaper**, Nigeria

VI. Dr Palesa Sekhejane, Director: Strategic Partnerships Unit Impact Centre, **Human Sciences Research Council (HSRC)**, South Africa

18:00 Day 2 Closing Statement: **Dr. Halilu Shaba**, Director-General, **National Space Research and Development Agency (NASRDA)**, Nigeria & Workshop Co-Chairman.

19:00 DINNER

SHORT COURSES

TRAINING WORKSHOP ON CLIMATE CHANGE POLICY SUPPORT SYSTEMS

07:00 - 09:00	On-site Registration
09:30 - 12:30	EMLS-01: <i>Regulatory Processes for Enactment of Climate Change Legislation:</i> Prof. Allswell Osini Muzan , Professor of Law, Kogi State University , Ayingba, Kogi State, Nigeria.
12:30 - 13:30 -	LUNCH BREAK
13:30 - 15:30	EMLS-02: <i>Humanitarian Law and Social System Impacts of Climate Change:</i> Mrs. F. O. Akaakar , Dean of Faculty of Law, Rivers State University of Science & Technology , Port Harcourt & President, National Association of Law Teachers, Nigeria
16:00 - 18:00	EMLS-03: <i>Elements of Just Energy Transition Techniques for Management of Global Climate Change:</i> Prof. Charles Hongoro , Strategic Lead (Deputy Executive Director), Sustainable Human Security in the Developmental, Capable and Ethical State (DCES) Division, Human Sciences Research Council (HSRC) , South Africa

TRAINING WORKSHOP ON CLIMATE CHANGE IMPACTS TECHNICAL CONTROL SYSTEMS

09:30 - 12:00	EMTS-01: <i>Design of Mitigation Systems for Management of Global Climate Change:</i> Prof. Hilary I. Inyang , US Ambassador's Distinguished Scholar to Ethiopia, Bahir Dar University , Ethiopia and Chairman, Global Institute for Sustainable Development, Advanced Analyses and Design (GISDAAD) , Concord, North Carolina, USA.
12:00 - 13:00	LUNCH
13:00 - 15:00	EMTS-02: <i>Field Techniques for Food and Nutrition Studies to Address Some Impacts of Climate Change: The South African Example:</i> Dr. Thokozani Simelane , Research Supervisor, Human Sciences Research Council (HSRC) , South Africa
15:00	Close of Training Workshop and Issuing of Certificates



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