

The Making Of Sustainable Energy Practitioners Association Of Nigeria (SEPAN) At The Fifth Edition Of The Nigeria's Alternative Energy Exposition Held At Shehu Yar'adua Conference Centre, Abuja , Nigeria Between October 14th -16th 2015



Ewah Otu Eleri Executive Director International Centre for Energy, Environment and Development (ICEED) with microphone presenting his paper with Prof. Onyejose and Dr. Magnus Onuoha, SEPAN President and others listening.

RESOLUTION/ COMMUNIQUE

The Fifth edition of the Nigeria's Alternative Energy Exposition (NAEE) took place from October 14th to 16th 2015 at Shehu Yar'adua Conference Centre Abuja.

The NAEE, Nigeria's largest gathering of policy makers, researchers, manufacturers, investors and consumers brainstormed on how to provide best practices in clean, affordable, and equitable energy sufficiency in the 21st Century.

The three-day Conference attracted dignitaries including the representative of President Muhammadu Buhari and Permanent Secretary Federal Ministry of Power, Ambassador Godknows Igali, French Ambassador to Nigeria, Denys Gauer, Director General/ CEO, Energy Commission of Nigeria, Prof Eli Jidere Bala, Minister Plenipotentiary, French Ambassador for Climate Change in Africa and the Middle East, Stephane Gompertz, Engr Adebisi, Director Renewable Energy and Energy Efficiency Department of the Federal Ministry of Power, Engr Adebisi, Ewah Otu Eleri of International Centre for Energy, Environment, and Development (ICEED), some representatives of DISCOs and GENCOs in Nigeria, among other numerous participants from the private and public sectors, academic and the civil society organization. Over thirty (30) manufacturers in renewable energy sector exhibited their products.



Set to deliver his paper, Stephane Gompertz (middle) French Ambassador for Climate Change in Africa and Middle East, with SEPAN President (right) Dr. Magnus Onuoha at the Fifth NAEE 2015.

Key technical papers presented include but not limited to the following: Renewable energy and energy problems in Nigeria, the role of governments and policy in facilitating the growth of the off-grid lighting market, how to tap into the potential for renewable energy generation in Nigeria, challenges of



funding energy infrastructure vis-a vis the various investment models, evolving partnerships for renewable energy : finding a sustainable win-win situation for Nigeria, success story rural energy access project, x-raying the energy profile of Nigeria, COP 21 , climate change and renewable energy, what does it mean to go green?, among others.

At the end of the three-day Conference, delegates resolved as follows:

- To thank the organisers of Nigeria Alternative Energy Expo (NAEE) for the past five years running for their foresight and consistency in propagating the message of alternative (renewable) energy despite daunting challenges.
- To Commend the Federal Government for putting in place the Renewable Energy Policy (REP) and Energy Efficiency Policy (EEP) document. The REP document, no doubt, will serve as a blue print for sustainable supply and utilization of renewable energy sources within the economy for both on-grid and off-grid solutions. The document also advances an energy efficiency policy (EEP) which is also a source of energy since it would reduce inefficient consumption, thereby providing greater access to electricity consumers.
- That we note with concern the deficiency in our energy infrastructure over the years in Nigeria and being the

biggest economy in Africa with over \$510 billion as shown by the recent rebasing of the economy, the need to expand the services is imperative hence the drive towards renewable energy.

- That the Federal Government through Standard Organization of Nigeria (SON) with the support from Energy Commission of Nigeria (ECN) should oversee the importation of quality renewable energy products into the country. Importation of substandard products by quacks has painted genuine investors in the sector in bad light.
- That the Federal Government should ensure that Renewable energy is a mainstream investment supported by Feed-in-Tariffs as is obtainable in other climes. Accordingly, we implore on the National Electricity Regulatory Commission (NERC) and Distributing Companies (DISCO's) to act decisively by providing regulatory framework for on and off-grid solution and the Nigerian Customs providing zero duty for renewable products as stipulated in Renewable Energy Policy (REP).
- That there is the need to for collaboration between the Federal and State Government and the Private Sector to support training and job creation provided by off-grid renewable energy market for technicians, installers and

artisans.

- That the cost of investing in renewable energy infrastructure is unreasonable high(interest rate alone is over 26%) and we therefore call on relevant institutions to ensure that there is a downward trend in this regard so as to achieve sustainable production and consumption in the sector.
- That we allay the fears of Nigerians as to sustainable investment in bio-fuel and ethanol of renewable energy and the challenges of food insecurity in the country. We note that 43 % of the Nigerian land is arable, yet less than 10% is cultivated. However, we advise that investors should in the interim focus on non edible and high yielding plants such as Alamanda Trica, Jathropha and neem as against edible plants such as palm oil, cocoanut, sugar cane, cassava etc
- That the Rural Electrification Agency (REA) should re-invent itself as the Renewable Energy Development Agency and focus on the promotion of off-grid, mini-grid renewable energy solutions working with the private sectors investors to achieve fast rural electrification.
- That we Stakeholders should begin to share knowledge and not hoard it, as well as update our research. This will to a large extent help the sector grow.
- That the renewable energy and energy efficient policy will only be more potent if it is backed by law. This will boost access to energy services and ensure the sustainable growth of clean energy contribution to Nigeria's energy mix and attract investors to the sector. Therefore we will support and encourage the Green Economy Nigeria Bill(GENB) soon be on the floor of the National Assembly which seeks to give legal teeth to sustainable agriculture, renewable energy and infrastructure.
- That there is the urgent need for us as Stakeholders in the renewable energy sector to have a Voice (an Association) as is obtained in other professional bodies in Nigeria to fast track and monitor progress made from these resolutions and indeed other issues that will be in the overall interest of the Members. Hence the formation of Sustainable Energy Practitioners Association of Nigeria(SEPAN)
- That the following Delegate be appointed as Members of the National Steering Committee of SEPAN. Dr Chidi Magnus Onuoha, Suleiman Yusuf, Segun Adaju, Dr Sunny Akpoyibo, Prof. Emmanuel Onyejoese, Dr Amina Batagarawa, Engr. Obinwanne Petrus, Larry Edeh, Miss Adenike Akinsemolu and Agbo Ejiofor. They are expected to come up with operational modalities (Framework), objectives, constitution, and laise with a reputable lawyer for the speedy registration of the Association at the Corporate Affairs Commission.
- That we call on Federal Government to a matter of urgency submit our Intended Nationally Determined Contribution (INDC) to the INDC Secretariat ahead of COP 21 Climate Conference in Paris between November 30 and December 11, 2015. The INDC document will be Nigeria's response to the decision adopted by COP 19 and 20 Sessions, inviting Parties to communicate to the Secretariat of INDC's towards achieving the objectives of the UNFCCC as set out in the Article 2 of the Convention.
- That we implore on the banks to support the Nigerian process in the negotiation through empowering negotiators to secure a fair deal for Nigeria in the new climate change agreement. Sustainable Energy Practitioners Association of Nigeria (SEPAN) has the capacity to make reasonable input and be part of Nigeria's delegation to negotiate for Nigeria (huge potentials abound for renewable energy during negotiation).
- The Conference commends delegates, exhibitors and indeed other stakeholders for their attendance and participation.

The Making of SEPAN In Pictures at

Shehu Yar'adua Convention Centre, Abuja

(October 17t – 19th, 2015)



The Making of SEPAN in pictures at

Shehu Yar'adua Convention Centre, Abuja

(October 17t – 19th, 2015)



Exhibition



The making of SEPAN Exhibition



The making of SEPAN Exhibition



List of Exhibitors

* Solarway

Solarway is a forward thinking creative think tank that develops personalised and sustainable power solutions for people with limited or no access to power.
<http://www.solarway.com/>

* Simba Group

Simba Solar is a leading solution provider of solar electrification systems in Nigeria.
www.luminous.com.ng |
www.solar.com.ng |
www.simba.com.ng

* Yingli Solar

Yingli Solar (NYSE: YGE) makes solar power possible for communities everywhere by using our global manufacturing and logistics expertise to address unique local energy challenges.
<http://www.yinglisolar.com/>

* LNL Recycling

LNL Recycling was established to seek business opportunities within the recycling sector in Africa.
<http://www.lnlrecycling.co.za>

* Pax SA

Pax SA is an investment holding Company with focus in Information technology, Aviation, Energy, Financial Services, Real estate, Media, Health and Safety and Mining. www.paxsa.co.za

* GreenAge Africa

GreenAge Africa offers clean power for every application and market, from off-grid systems, to homes, to power plants www.greenageafrica.com

* BlueOcean Nigeria

BlueOcean Consulting Limited was founded in 2007 to provide innovative solutions in critical sectors of the economy and tap into the huge untapped opportunities that exist in the emerging market of Nigeria.
<http://www.blueocean-nigeria.com>

* Blue Camel

We provide alternative Energy and Power backup Solutions, We design and build solar powered water supply systems, Solar Street Lights and Solar/Inverter energy backup systems for homes and offices.
www.Bluecamel.us

* Ministry of Power

The responsibilities of the Federal Ministry of Power are as follows:
Initiating and formulating broad policies and programmes on the development of the power sector (electricity) in general
<http://www.power.gov.ng/>

* Anbez Solar

The solar market continued to grow in 2015, but overcapacity across the solar value chain led to steep price declines throughout the year. Anbez is a distributor of NASENI.

www.anbezsolar.com

* Globalsim

GlobalSIM™ allows you to roam in over 230 countries and save up to 90% on roaming costs. You can make & receive calls, send text and access the internet all over the World from one Sim Card. www.globalsim.co.za

* Seaka Energy

SEAKA Energy is a provider of Renewable Energy to South Africa. We specialise in Solar, Biofuel, and waste to Energy.
www.seakaenergy.co.za

* LUMENTECH

By focussing on renewable energy in Africa with its abundance of natural energy resources, Lumentech endeavours to make a contribution to the sustainable growth of individuals and communities.
www.lumentech.co.za

* Enerlogy Energy (PTY) LTD

Enerlogy (Pty) Ltd is a focused energy developer Enerlogy is ideally placed to take advantage of any opportunities that arise in this new and emerging market segment.
www.enerlogy.co.za

* SIMBO TECH

SIMBO TECH specialise in Energy Saving Technology applications. Simbo is enthusiastic about Green and Clean renewable energy and its benefits and is eager to work with its clients to find the solution that fits their needs best.
www.simbotech.co.za

* DV 8 Alternative Building Solutions

We are a supplier of SIP building technology for Africa with the ability to produce buildings fast, cost effectively and being stronger than bricks or blocks. www.dv8sa.com

* Current Automation

We offer a wide range of product Solar panels, Solar regulators, inverters, battery chargers and Industrial batteries for applications in the field of industrial process controls, battery charging requirements,
www.rectifier.co.za

* SUKA Energy

Suka Energy Nigeria Ltd draws on its roots in Germany and United Kingdom to offer advanced innovative engineering solution for high energy costs faced by its customers.
www.suka.com.ng

*** DASOL was established at 2006.** DASOL is specialized in research, development, manufacturing and service of solar modules, solar lighting systems and solar power systems. With the leading professional R&D team.
<http://www.dasol.cn>

*** Sinoware 's** extensive expertise in manufacturing and R&D grants its ability to provide uniquely tailored

product solutions that exactly meet their customers' requirements.
<http://www.sinoware.com.cn>

*** dilight** is a global social enterprise aiming to improve the lives of the two billion people in the developing world that live without access to reliable energy.
<http://www.dlight.com/>

*** MAG** is a leading manufacturing technology group for machining tasks in milling and turning for turnkey manufacturing systems and machines with customer-specific application technology..
<http://www.mag-ias.com>

*** KATIKA ENERGY LTD** is an indigenous Nigerian company who has partnered with General Electric Inc and other international OEMs for delivering alternative/sustainable energy solution to West Africa/Africa region.
<http://www.katikaenergy.com>

* Sun King Solar

Greenlight Planet is owned and operated by engineers, sales force experts, and operations gurus who love to solve difficult problems that change our customers' lives before our eyes.
<https://www.greenlightplanet.com>

* BOI/UNDP Access to Renewable

Energy Programme will focus on increasing the National capacity to invest in- and utilise renewable energy resources to improve access to modern energy services for MSMEs and households. Improving the regulatory, institutional, and financing framework to promote Renewable Energy option is of importance to facilitate MSME growth that will deliver quality economic growth and development.
<http://www.boinigeria.com>

*** TRONY Solar** was founded in 1993, is the largest amorphous silicon thin film solar cell manufacturer and solutions provider in China. It uses the latest in second-generation thin film solar production <http://www.trony.com>

*** Black Life Energy** provides BEE strategy, sustainable development and general strategy consulting services to large corporates and we are principle investors in Green Energy.
<http://www.blacklife.co.za>

* A Stevens group

Has a mission to make solar energy affordable for the grassroots level consumer by tightly securing, owning and managing the supply chain, thus accumulating cost savings to pass on to our customers.
info@astevenltd.com
www.astevenltd.com

The making of SEPAN Exhibition



BOOK your stand for #NAEE 2016

DATES OF NEXT EDITION: OCTOBER 19-21, 2016 Abuja, Nigeria

Exhibit



Sponsor



Register for
Conference





naee 19-21 OCTOBER 2016

NIGERIA ALTERNATIVE ENERGY EXPO Embracing renewable energy to address Nigeria's economic challenges.

Overview

We are pleased to announce the 6th Nigeria Alternative Energy Expo in Abuja on October 19–21, 2016. The momentum in the Nigeria Energy market is building up with the new government's goal to increase energy capacity. The 6th edition of the Nigeria Alternative Energy Expo will be hosted by the Federal Ministry of Power, Sustainable Energy Practitioners association of Nigeria, and African Sustainable Energy Association with the theme "Embracing renewable energy to tackle Nigeria's economic challenges".

#NAEE2016 will discuss, debate and seek solutions to enable adequate renewable energy generation in Nigeria. NAEE aims to inform policy-makers and raise public awareness about the key opportunities and barriers to improving sustainable Energy development in diverse contexts. It will also act as an advocacy tool, highlighting the critical responsibility citizens have in the implementation of the Sustainable Development Goals (SDGs).

This is the ideal opportunity to present your products, services and case studies and meet and network with all the right people to discuss the current challenges for the industry and put forward ideas and solutions for 2016 and beyond.

Benefits of Attending

1. Strategically position your brand as a key player in the fast developing RE Market and meet senior-level decision makers.
2. Engage and network with decision-makers, business leaders, investors, project owners and buyers.
3. Gain awareness on current and future projects in the Country, latest market trends and policies/regulations set out by government authorities.
4. Exclusive benefits for participating sponsors and exhibitors such as meetings with key government officials, exclusive site visit, product demonstrations and speaking opportunities at the conference.
5. EXPOSE to the frontiers of international experience.
6. Update your knowledge on the current trends within energy across the African continent with input from global authorities
7. Discover examples and best practices from other markets

Sectors:

- Electric Regulators & Ministries
- Electric, Power & Utility Companies
- IPP Developers
- Banks/ Investors
- Energy Supply Company (Oil, Gas, Coal and Renewables)
- Law Firms
- Consultant Firms
- Government & Municipality
- Project Developers/Consultants/Analysts
- Environmental Engineering
- Equipment & Technology Solutions providers
- Banks/Investors/Insurance
- Automotive & Transport
- Green Energy
- Commodity Traders / Agents & Brokers
- Associations & Press

Testimonial

"Excellent! There are many interesting leads and topics which cover almost all relevant issues in industry, and the Speakers is simply great."

- Nicole Mhlanga- CEO- Okuhlaza Energy, South Africa

To register/enquire, please contact:

San Sue

Tel: +44 20 3239 6611 +234 803 703 5439 | Email: registration@nigeriaalternativeenergyexpo.org

Web: www.nigeriaalternativeenergyexpo.org

#naee2016

Identity

Sustainable Energy Practitioners Association Nigeria (SEPAN) is a non-profit making, non-partisan, organization incorporated in Nigeria. It is devoted to boosting access to clean energy services by ensuring its sustainable growth in Nigeria's energy mix, and attracts investors to the sector as well. It also facilitates sustainable policy research and advocacy in the renewable energy sector and offers consultancy services to governments, local and international organisations and the Organised Private Sector (OPS).

Vision:

SEPAN's vision is tied to Nigeria's sustainable development drive and seeks to promote sustainable energy development agenda for Nigeria and ultimately be a major player in the global renewable energy mix.

energy renaissance, by pursuing a mission "to promote evidence based decision making";

2. To produce the body of knowledge to enhance Nigeria's capabilities for design and implementation of sustainable energy programmes;

3. To develop research and related studies with Nigeria applications, lessons and implications. Research and study programmes will be articulated having in mind its usefulness for solving Nigeria's sustainable energy challenges especially in the area of regulatory framework that mainstream investments supported by Feed-in-Tariffs, on and off-grid solutions, zero duty/waver, high cost of fund etc

Mission

In line with its vision, SEPAN aims:

1. To provide leadership in helping Nigeria think through the emerging renewable

Methods And Approaches



The Organization will adopt five main methods and approaches for its operations:

Responsive and Proactive Research: Responsive and proactive research in renewable energy and allied research to extend frontiers of knowledge as well as provide evidence for informed policy making. SEPAN will address the sustainable energy questions whose solutions can generate lessons and insights across the country;

Facilitating Links and Dialogue: Facilitating links and dialogue between policy makers and key stakeholders including private sector and civil society. This is to enhance Nigeria's capabilities for design and implementation of sustainable energy programmes;

Conveying Expert Forums: Conveying expert forums on key sustainable energy questions; It may be monthly, quarterly or annual depending on the issues of the moment. However, the annual Nigeria Alternative Energy Expo will be adopted and improved upon as SEPAN's

Annual General Conference for the gathering of members, policy makers, manufacturers, investors, consumers, and civil society alike to brainstorm for best practices in clean, affordable and equitable energy sufficiency in the sector.

National and International Networking and Collaboration. SEPAN will seek to enter lasting collaboration and networking with Nigerian, Pan African and International Institutions underpinned to solve common sustainable energy challenges through the supply of research evidence for policies;

Consulting Services for Policy and Institutional Reforms, Training and Capacity Building: Training consultancies (courses, seminars, workshops) to clients based on SEPAN's core capabilities and competencies. Training/capacity building for registered members will also be organised on a quarterly basis and will focus on conceptual, methodological and analytical questions underlying SEPAN's re-search challenges.

Organisation

Structure/Head of Departments

ORGANIZATION STRUCTURE

It will be governed by the Board of Trustees, ran by Presidency, and other Heads of Department, with Research and Administrative support staff. National Advisory Board made up of knowledgeable and well experienced people in the sector will also be constituted.

TRAINING AND CAPACITY BUILDING DEPARTMENT

This department will organise training and capacity building series for members on a quarterly basis and will focus on conceptual, methodological and analytical questions underlying SEPAN's research challenges. The department is also expected to organise training consultancy (courses, seminars, workshops) to client's based on SEPAN's core capacities and competencies.



Dr. Chidi Magnus Onoha
President/Head of Training
and Capacity Building



Training & capacity building

We have a unique model of learning, incorporating capacity and capability building, leaving a legacy of expertise



Goals	
1.	To design training and capacity building series for members based on conceptual, methodological and analytical questions underlying SEPAN's research challenges.
2.	To design and deliver client- based training and capacity programmes based on SEPAN's core capacity and competencies.

Action Agenda	
1.	SEPAN's Peer Learning and Capacity Building Series for members
2.	SEPAN Training Module on sustainable energy questions for public and private sectors and civil society organizations

Interface/Financing Department



Mr. Segun Adaju
Vice President/Head of Interface
and Financing

This department will interface with Ministries, Department and Agencies (MDAs) Private Sectors, Civil Society and International Agencies for effective engagement towards the realization of the goals of SEPAN.

Goals

1. To proactively engage various relevant institutions to interface with SEPAN to drive sustainable energy in Nigeria.
2. To develop templates and standards on how to engage these institutions.

Action Agenda

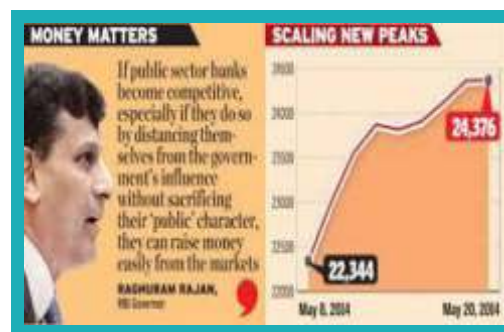
1. Advocacy visits to these institutions and organization.
2. Design and develop interactive forum on a quarterly basis for those institutions and organisations

Infrastructure and Funding Department

The department will oversee and see to the expansion of services in renewable energy sector. This is with a view to bridging the deficiency in energy infrastructure in Nigeria, the largest economy in Africa with over \$510 billion GDP. The growth in the GDP over the years is not commensurate with growth in energy infrastructure. This department also hopes to fast track Policy Roadmap for the elimination of challenges inherent in the cost of funding renewable energy infrastructure.



Mr. Suleiman Yusuf
National Secretary/Head of
Infrastructure & Funding



Goal	
1.	To promote the expansion of services in renewable energy sector with a view to bridging the deficiency in Nigeria's energy infrastructure.
2.	To fast track a Road Map for the elimination of funding challenges inherent in the renewable energy sector.

Action Agenda	
1.	Bridging the deficiency in energy infrastructure in Nigeria: Investment in sustainable energy options.
2.	SEPAN's Policy Road Map for the elimination of challenges of funding in the renewable sector

Publicity/Communication and Membership Department

This department will be saddled with the responsibility of reporting as well as communicating the milestones recorded by the renewable energy sector. There will also be standard reporting of emission data, analysis of climate risks and opportunities and adaptation plans for the country. Accountability is the key and carbon is the measure. The department in reporting and communicating will also be assisting organizations improve their carbon foot prints and develop greater environmental sustainability.



Mr. Larry Edeh
Head Publicity/
Communication and Membership



Goals	
1.	To develop models for reporting as well as communicating the milestones recorded by the renewable energy sector
2.	To develop models for standard reporting of emission data, analysis of climate risks, opportunities and adaptation plans for the country.

Action Agenda	
1.	X-raying the milestones recorded in renewable energy sector in Nigeria.
2.	SEPAN- Natural Capital Declaration (NCD), Carbon Disclosure Project (CDP), World Wild Foundation (WWF), The Economics of Ecosystem and Biodiversity Studies (TEEBs) Green Economics Institute Africa, Africa Sustainable Energy Association (AFSEA), South African ... and International Renewable Energy Agency (IRENA): Forging a consensus for future reporting and communication

Welfare/Corporate Social Responsibilities (CSR) Department



Dr. Sunny Akpoyibo
Head
CRS/Welfare

This department will ensure that the welfare of members (both institutional and individuals) are protected and also ensure the coordination of Corporate Social Responsibilities (CSRs) coming from the institutional and individual members. Therefore the Solar Empowered Schools (SES), a CSR initiative from African Sustainable Energy Association (AFSEA) with the objective of achieving the Sustainable Development Goals Number 7 as defined in Transforming Our World-the UN 2030

Agenda. SES hopes to provide 2 million primary school kids across Africa with solar lamps to ensure they have access to clean energy and increase their reading culture. The SES will help Investors Capital achieve their corporate social responsibility and score carbon credit points.



Goals	
1.	To promote and enhance the welfare of members of SEPAN
2.	To coordinate and deploy corporate social responsibilities (CSRs) that has carbon emission reduction potentialities from members (institutional and individual) and non-members alike.
3.	To create avenue towards enhancing the Finances of SEPAN
Action Agenda	
1.	Welfare Package for members
2.	Distribution of these CSRs Initiatives and track carbon credit points on behalf of the organization
3.	Design fund raising mechanism for the organization

Research Support Services (Data Bank) Department

This department will be a portal for credible, up-to-date, robust statistical data on key national, sub-national and sustainable energy indicators. It hopes to collaborate and partner with national and international statistical agencies.



Dr. Amina Batagarrawa
Head Research Support
(Data Bank) Department



Goals

1. To generate innovative ways of collating credible, up-to date and robust statistical data on national, sub-national and sustainable energy indicators;
2. To establish a relationship and partnership with national and international statistical agencies for synergy on sustainable energy indicators

Actions Agenda

1. SEPAN's Agenda for a credible statistical data on sustainable energy.
2. SEPAN and relevant statistical bodies (national and international): Forging consensus and synergy on sustainable energy indicators



Prof. Emma Onyeyeose
Head of Department
Special Project

SEPAN'S Flagship NAEE Special Project Department G2020 and Art in Green



Mr. Emmanuel Eyaba
Coordinator of Art in Green

The Nigeria Alternative Energy Expo (NAEE) G2020 is the flagship of SEPAN in generating 5000 MW of

Green Power by 2020.

The department will therefore coordinate the annual NAEE monitor the progress of this initiative and ensure sustainability in the Nigeria energy market in the long term.

SEPAN also envisions the drive towards promoting low carbon, resource efficient Nigerian Green Economy by letting policy makers, politicians, businessmen and women, civil society and the public at large to imbibe the culture of combating climate change by planting trees and investing in renewable energies. The message is conveyed through movies, dramas, talkshows, poems etc.

Goals:	
1.	To monitor and evaluate progress made by SEP AN flagship G2020 initiative towards achieving 20 MW watt of Green Power by the year 2020
2.	To promote the drive towards energy efficiency and reduction in electricity wastage.
3.	To ensure increased advocacy drive in the use of renewables and energy efficient methods in Nigeria.
4.	To drive home the dangers of flooding, deforestation, drought and desertification etc.

Action Agenda:	
1.	Auditing the G2020 Initiatives
2.	Promoting the deployment of compact fluorescent lamps, energy efficient stoves, and keeping unused appliances switched off in the economy
3.	A movie: THE WARRING JEWEL that address these challenges is at auditioning stage and will soon engage critical stakeholders in the movie industry.
4.	Green Economy Time (GET)-a TV talk show/ drama is being planned to draw public attention in this regard

Research and Development Department

This department will oversee information sharing and storage among members of the Group (institutions and individuals), especially in the areas of provision of designs and development of templates on sustainable energy technologies for adaptation for the Nigerian environment. **This department will focus essentially on the technical mindset of sustainable energy prospects and NOT the business prospects.** For it is only when we have gotten the technological foundation right that the business will thrive in the sector.



Engr. Petrus Obinwanne
Head Research & Development



Goals

1. To promote knowledge sharing and storage among members especially in the designs and development of templates for sustainable energy technologies in Nigeria.
2. To develop and promote technical mindsets especially in Nigeria's tertiary institutions to drive our sustainable energy technologies growth

Action Agenda

1. Develop templates for collation, storage, deployment, monitoring and evaluating sustainable energy technological designs among members.
2. SEPAN's Technical Mindsets Agenda in the Renewable Energy Sector for Nigeria's tertiary institutions



Miss Adenike Akinsemohu
Head Gender Mainstreaming and
Youth Development

Gender Mainstreaming/ Youth Development Department

This department will focus on women and young people issues by allowing the greater participation in decision making processes. For instance, the Sustainable Development Goals (SDGs) nos:7-17 delved on clean energy. SEPAN will ensure that women and young people are carried along in Nigeria (inclusiveness) in all activities towards the realization of these set goals by the year 2030.



Goals	
1.	To promote the greater participation of women and young people in the decision making process.
2.	To ensure that young women and young men are carried along in all clean energy initiatives, especially with respect to achievement of SDGs goals as set out in nos: 7-17 that laid much emphasis on clean energy.

Action Agenda	
1.	Agenda for women and youth in a sustainable Nigerian environment.
2.	SDG Goals on Clean Energy: Including Women and Youth in the implementation process



Legal Department

This department will be responsible to all legal issues of the organization. This department will pro-actively follow and ensure that laws are put in place to give potency for the renewable energy and energy efficient policy of the country. To this effect, the department will ensure it collaborates with other relevant stakeholders to ensure that Green Economy Nigeria Bill that is about to be at the floor of the National Assembly is given expedited passage into law. The Bill seeks to give legal teeth to sustainable agriculture, renewable energy, and infrastructure.



Barr. Alex Marama
Head Legal Department



Goals

1. Promote all laws that will advance the course of sustainable energy, including International Conventions and Protocols
2. To proactively promote the Green Economy Nigeria Bill that will soon be in the floor of the National Assembly. The Bill seeks to give legal teeth to sustainable agriculture, renewable energy, and infrastructure.

Action Agenda

1. X-raying the legal framework in doing renewable energy business in Nigeria
2. Green Economy Nigeria Bill: Peer review for final document

Recycling and Waste Management Department:

This department will proactively drive the issue of recycling and waste management in the renewable energy sector for sustainable growth and ensure that relevant laws are put in place to make it work. It will also be in the vanguard for the domestication of the Basel Convention on waste management here in Nigeria.



Engr. Chris Nwatu
 Head Recycling/Waste
 Management



Goals

1. To promote the culture recycling and waste management for sustainable growth of Nigeria's renewable energy sector.
2. To proactively be in the vanguard for the domestication of Basel Convention on waste management in Nigeria, as well as ensure that it works.

Action Agenda


1. X-raying the impact of recycling and waste management in Nigeria's renewable energy sector
2. Basel Convention on waste management: Towards effective domestication and implementation in Nigeria.

SEPAN'S Strategic Road Map For Rapid Up Scale Of Renewable And Clean Energy For Our Flagship: G2020 (5000mw) (2016-2020)




Rural Community Power Solutions

1

Project Theme	Project Objectives	Project Activities/ Deliverables	Resource Requirements	Partners & Sponsors	Timelines (Short, Medium & Long Term)
Community Power 26 solar mini grids generate 1 MW (37 kW each)	1 MW = 500 long-term jobs created; 1,300 short term jobs.	1 MW = 2,600 homes connected + est. 250 SMEs created. 1 solar company can install 10 grids in 1 month.	N70m per mini grid. Loans at 5%, with 2 yr moratorium. Clear mini grid policy.	NAPTIN to train technical staff. Private sector led; no sponsors.	3 months training of techn staff & importation of kit. 8 week installation period per grid
					

Urban Roof Top Solar Energy Solutions

2

Project Theme	Project Objectives	Project Activities/ Deliverables	Resource Requirements	Partners & Sponsors	Timelines (Short, Medium & Long Term)
Urban Housing Retrofitting 1 million houses with solar rooftop adds 6,000 MW over 2 years, off-grid.	1 m rooftops with 6kW over 2 years = est. 500,000 jobs	Solar cheaper than PHCN within 10 ys. 125,000 rooftops per 3 months, with trained staff.	Consumer finance at special Renewable Energy rates, single digit.	Solar Associations & NAPTIN to train staff. Biggest sponsor: building code demanding renewables.	3 months training of techn staff & importation of kit. 8 week installation period/grid
					

Low Income Housing Solutions

3

Project Theme	Project Objectives	Project Activities/ Deliverables	Resource Requirements	Partners & Sponsors	Timelines (Short, Medium & Long Term)
Low Income Housing Climate resilient Face-Me-I-Face-You units with Rent-to-Own opportunity (over 10 years)	1 million units create 2 million long-term jobs, up to 50 million short-term jobs	Construction & low income workers to own their homes (N2.5m per unit). Local labour trained, upgraded.	Micro mortgages; micro finances at 5% over 10 years. Land. 5% loans for green construction companies.	CSR of large companies for their staff (tax rebate incentive).	Immediate large scale roll-out, as local labour & materials are used.
					



SME's Renewable Energy Solutions

4

Project Theme	Project Objectives	Project Activities/ Deliverables	Resource Requirements	Partners & Sponsors	Timelines (Short, Medium & Long Term)
Small biz revolution Rooftop solar for SMEs generate 1 MW per 1,000 SMEs (off-grid) and is upscaleable without limits.	SMEs with power employ 3 new/additional staff. 1,000 SMEs equipped with 1kW = 3,000 jobs.	Each solar company to roll out 1,000 rooftop installations in Year 1, and rising to 8,000 in Year 3.	SON to enforce solar quality standards. Loans at 5% with 2 yr moratorium: \$2m per company. Zero Duty on RE. Tax holidays for approved companies.	Solar Associations, NAPTIN, State Electricity Boards to train staff. Concessions by state governments.	Year 1: 36 states with 2 solar companies = 216,000 jobs Year 3: 36 states with 3 solar companies = 864 MW = 2.5m jobs
					

Solar Drying Solutions

5

Project Theme	Project Objectives	Project Activities/ Deliverables	Resource Requirements	Partners & Sponsors	Timelines (Short, Medium & Long Term)
Cassava Drying Cassava processing with off-grid renewables reduces 30% post harvest waste (worth \$1.5bn p.a.)	Biomass powered heating can dry cassava on-site into chips, garri, flour, <i>apu</i> . Animal feed from peel is worth \$600 p.a.	Turning \$1.5bn of waste into local production creates 100s of jobs.	N20m per industrial cassava hotspot producing garri, flour, animal feed. Loans at 5%, with 2 yr moratorium.	Agric Associations and Super Trainers to spread knowledge.	3 months: train staff to produce biomass dryers. Year 1: 200 industrial hotspots.
 					

Solar Agro /Industrial Solutions

6

Project Theme	Project Objectives	Project Activities/ Deliverables	Resource Requirements	Partners & Sponsors	Timelines (Short, Medium & Long Term)
Farmgate Agro-Industrial Clusters Off-grid biomass electricity to power 10 cottage industries + community	Reduce post harvest waste, increase food security + rural incomes.	Produce biomass food processing equipment (Hot Air Dryers). Steam to power installations. 40 direct jobs, plus >50 indirect jobs in SMEs.	N 40 – 50m per cluster. Access by private sector companies to loans at 5%, with 2 yr moratorium.		3 months: feasibility, locations, training. Year 1: 200 clusters installed.
 					


Solar Powered Irrigation Solutions

7

Project Theme	Project Objectives	Project Activities/ Deliverables	Resource Requirements	Partners & Sponsors	Timelines (Short, Medium & Long Term)
Irrigation Off-grid solar or biomass to power all-year irrigation, increasing yields and allowing 2 nd harvest	Increased production to feed into agric clusters for processing & packaging. Off-season farming increasing profits.	Installing units of borehole, solar pump, water tank and hose pipe systems. Renewable Energy companies to roll out 1,000s of installations within 1 year.	N 1 to 4m per unit. Solar companies to access 5% loans with 2yr moratorium. Zero Duty for imports. Agric clients (farmers, coops) on rent-to-own schemes.	Micro finance for agricultural coops and farmers.	6 months: Zero Duty in place. Year 1: at least 1,000 installations = doubling of harvests = 100s of jobs.
					

Solar Powered Milk collection Centers

8

Project Theme	Project Objectives	Project Activities/ Deliverables	Resource Requirements	Partners & Sponsors	Timelines (Short, Medium & Long Term)
Milk Collection Centres Off-grid refrigeration link between Fulani milk sellers and dairy companies	Increased income, esp for women & reduce conflict. Centres to include fencing, phone charging and irrigation option.	Self-contained cooling units, to be managed by women milk sellers.	N3.4m per centre.	Different funding options to be reviewed, incl PPP between governments and dairy companies.	1 month starting period. 2 weeks installation time per unit.
					

Funding and Resource Mobilization

Income Stream and External Financial Audits:

SEPAN hope to earn bulk of its income from research and studies, grants and conferences/workshops. In line with global best practices, it will maintain regular external financial audits and as a responsible corporate citizen, comply with all relevant tax obligations and labour laws.

Resource Requirements for the Action Agenda

The resource requirement for the implementation of the Action Agenda includes both financial resources and human resources.

Financial Resources and Funding Approach

As a not-for-profit (non-trading) organization, SEPAN's funding can come from Trusts, Grants, Gift-in-kind, Sponsorship and Consultancies. Hence, she will be proactive in its funding approach and develop the institutional fund-raising skills of networking and negotiation to secure the funding to further its objectives. SEPAN will adopt a funding model based on multiple income and grant sources and efforts will be made to ensure that funding sources are not concentrated on a few "tried and tested" prospects (government and international development agencies). This model will necessitate a revamped funding approach as follows:

- Constitute SEPAN's Council in which a variety of leaders from different backgrounds are represented;
- Promote SEPAN's capabilities to Renewable sources of energy, to Banking and Finance Institutions, Government, Labour and Media Organisations;
- Design research that appeals to sectors in need at competitive costs;
- Design conference and roundtable programmes that offer a platform for evaluating and testing issues and processes of importance for sponsors and interested parties.

The SEPAN's funding approach will be based on the following principles:

Align research programming with strategic funding potentials;

Deepen collaboration with private sector corporate agencies to secure sponsorships and financing of SEPAN research and knowledge brands;

Develop robust training and related consultancies to elicit funding from clients;

Build skills and motivate Members to attract research funding and consultancies;

Develop effective corporate marketing and product dissemination capabilities;

Utilise SEPAN's comparative advantage to initiate and conduct research to provide practical fundable solutions within the local, national and international business community; and

Develop renewable energy information documentation, storage and retrieval services to the public and private sectors of Nigeria, and Africa at large.

Human Resources Requirements

SEPAN will increase its human resource capacity essential to enhancing impacts on research, policies and advocacy as enunciated in the strategic plan.

Over the next three years, SEPAN will increase its human resources capability as follows:

engage at least 2 Research Assistants per department;

recruit full-time Coordinator Training Programme;

Set up a full-fledged publication unit with adequate scientific editorial capacities;

and Improve the utilization of Members through better motivation, monitoring and participation.

Membership Benefits (Students, Individuals and Institutions)

1. Peer Learning and Capacity Building Programme for registered members with a focus on conceptual, methodological and analytical questions underlying SEPAN's research challenges;
2. Building skills and motivating Members to attract research funding and consultancies;
3. Conferences and Networking (National and International) and getting closer to key policy and industry players in sustainable energy sector;
4. Promotes and enhance the welfare of Members;
5. Institutional Membership will further attract benefits from our proactive engagement with the Federal Government into ensuring that Renewable Energy is a mainstream investment supported by Feed-in-Tariff as is obtainable in other climes;
6. Mentorship programme for all categories of Members
7. Automatic Membership of at least two Departments of SEPAN but must be active as well;
8. Voting Right during our Annual General Meetings (AGM) with the exception of students.
9. Accessing Green Energy Finance

MEMBERSHIP FEES

Student 3000
Individual 5000
Corporate Small Scale 20,000
Corporate Large Scale 50,000

Annual Renewal Fee

Student 1000
Individual 3000
Corporate Small Scale 10,000
Corporate Large Scale 30,000

SEPAN BANKS

1. Sterling Bank

Account Name: Sustainable Energy Practitioners Association of Nigeria (SEPAN)
Account Number: 0057317673

2. First Bank

Account Name: Sustainable Energy Practitioners Association of Nigeria (SEPAN)
Account Number: 2030806977

SEPAN Membership Form

CATEGORY APPLIED FOR (tick as applicable) ☐ Student ☐ Individual ☐ Institution

Please tick as appropriate (for Students and Individual) ☐ Mr ☐ Mrs ☐ Ms ☐ Dr ☐ Prof ☐ Other

Initials _____

Full Name (for institutions include CAC Reg. No.) _____

Address: _____

Designation (Department/Faculty for Students) _____

Tel. No _____ Email _____ Website _____

Cheques/Tellers should be made payable to Sustainable Energy Practitioners Association of Nigeria (SEPAN)

Total N _____ (or Dollar equivalent)

Please debit my Master/Visa Card No: _____ CVC: _____ Expiry Date: _____

Signature: _____ Date: _____

FOR OFFICE USE: Membership No: _____ Category _____

PLEASE NOTE AS FOLLOWS:

1. Student Members must have proven evidence of being an undergraduate in any tertiary institution in or outside Nigeria;
2. Individual Members must provide evidence of his/her profession, designation and workplace in or outside Nigeria;
3. Institutional members must have proven evidence of operations under the Nigerian legal system;
4. Individual and Institutional members have voting rights(they can vote and be voted for) in the Annual General Meetings and must be up to date in payment of relevant dues;
5. Accepted members shall be notified within 7 working days by SEPAN Membership Department and informed of the effective date of Membership;
6. Membership will commence from the date of approval of membership application and membership fees paid;
7. The Association reserves the right to refuse an application for membership without the need to justify its decision;
8. All Members will be issued Certificate of membership;
9. Membership is automatically renewed on an annual basis and the Association has the right to alter the membership fees from time to time;
10. Membership fee is payable in Naira or Dollar equivalent;
11. Each SEPAN member shall act in manner compatible with the aims and objectives of SEPAN;
12. Institutional Members MUST keep SEPAN informed of any changes in the legal structure, key directors or officers of their organization;
13. Any Member may terminate membership of the Association by serving notice in writing to the Secretariat not less than three months before the end of membership year and no refunds will be made in respect of any membership fees previously paid;
14. If membership is terminated without giving three months notice prior to expiry date, the Association has the right to charge full annual membership fee;
15. Upon the termination of membership, all members' rights will immediately and automatically cease.

Board of Trustees of SEPAN:

Dr Chidi Magnus Onuoha **01**
Chairman

Mr. Yusuf Suleiman **02**
Secretary

Mr. Larry Edeh **03**
Member

Dr. Sunny Akpoyibo **04**
Member

Dr. Amina Batagarawa **05**
Member

Engr. Obinwanne Petrus **06**
Member

Prof. Emma Onyejeose **07**
Member

Miss Adenike Akinsemolu **08**
Member

Mr. Segun Adaju **09**
Member

Mr. Agbo Ejiofor **10**
Member

Contact Address:

Green House
Plot 593, Samaila Gwarrzo Street,
Gadastral Zone A09, Apartment 1B
Guzape Abuja



Phone:

+234(0) 8033167245
+234(0) 8037035439
+234(0) 8033264484



Website:

www.sepan.org.ng



Email account

info@sepan.org.ng



Facebook Account

Please like it

<https://web.facebook.com/Sustainable-Energy-Practitioners-Association-of-Nigeria-SEPAN-1075893309088761/?fref=ts>



Twitter Account

Follow on

@sepannigeria1



whatsapp account

sepan (08037035439)

CAC/TE/NO 87781



**CORPORATE AFFAIRS COMMISSION
FEDERAL REPUBLIC OF NIGERIA**

Certificate of Incorporation

of the Incorporated Trustees of

SUSTAINABLE ENERGY PRACTITIONERS ASSOCIATION NIGERIA

Thereby certify that

ONUOHA MAGNUS CHIDI, SULEIMAN YUSUF, DR. AMINA BATAGARAWA,
OBINWANNE OKICHUKWU, LARRY EDEH, AGBO EJOFOR, ADAJU SEGUN SOLOMON,
DR. AKPOYIBO SUNDAY, AKINSEMOLA ADENIKE ADEBUKOLA, DR. EMMANUEL
ELEGWU ONYEJIOSE

*the duly appointed trustees of **SUSTAINABLE ENERGY PRACTITIONERS
ASSOCIATION NIGERIA** have this day been registered as a corporate body,
subject to the below mentioned conditions and directions.*

*Given under my hand and the Common Seal of the Corporate Affairs
Commission at Abuja this 31st day of May, 2016*

CONDITIONS AND DIRECTIONS

This certificate is liable to cancellation should the objects or the rules of the body be changed without the previous consent in writing of the Registrar General or should the body at any time permit or condone any divergence from or breach of such objects and rules.

Note:

This certificate does not bestow upon the Organization the right to establish any institution, engage in any business and the like without permission from the appropriate authority




BELLO MAHMUD

Registrar - General

896106