

Programs that was designed and implemented under my leadership

Glory Oguegbu

To promote green transition and energy access, I've led the development of the initiatives below:

- 1) **Solar UP Nigeria (SUN):** Through the **Solar UP Nigeria (SUN)**, a program of the Climate Smart Nigeria, we've provided access to clean electricity for 1500 homes/businesses reaching 11, 500 people across 3 states offsetting 4553 ton of CO2.
- 2) **Solar Women's Economic Empowerment Program (Project SWEEP):** The goal with project **SWEEP** was to promote energy access for women who the lack of electricity access combined with climate change impacts affect the most.
- 3) **Ogun Rural Women Solar Program:** our first pilot under the SWEEP program trained 50 women in Pakuro village, Ogun State Nigeria on Solar Business Opportunities and how to start a Solar Business. 12 out of the 50 trained women created small solar businesses and have supplied solar lamps to 800 homes in 2 years, replacing dirty kerosene fuel and promoting maternal mortality. This action helped offset 300 Tonnes of CO2.
- 4) **Makoko Women's Solar Program:** supported by The US Department of State through the Mandela Washington fellowship exchange grant built a solar powered center that is selling electricity to 757 homes for over 3857 people offsetting 7.3 tonnes of CO2 in a year. See more: <https://www.thisdaylive.com/index.php/2020/04/09/us-glow-initiative-provide-solar-power-train-women-in-makoko/>. In that project, 20 female fish Traders were taught how to build fish dryers as alternative to fishsmoking which was sending CO2 to the atmosphere and affecting their eyes. Additionally trained them on how to design and install solar panels.
- 5) **Ebonyi Rural Women Solar Program**, the third project in the SWEEP program where we Educated 50 handpicked rural women on the design and installation of solar PV, business opportunities in the solar sector and the health benefits of switching to solar lanterns instead of kerosene lanterns. Even though the women are not educated, watch one of them clearly explain the function of a solar charge controller: https://www.linkedin.com/posts/gloryoguegbu_solar-charge-controller-activity-6876974930383130626-i7TS
- 6) **Solar for Schools Community Project** - At Ebenebe rural Village and at Amanuke Village, Anambra Nigeria respectively, we powered the Computer and ICT center of the community secondary schools in both villages enabling 1000 students access to electricity for computer studies and conducive library use. The school engages its students in menial farm activities to raise money for the generator (harvesting and sale of palm fruit planted within the compound). The kids would be made to gather palmfruits regularly to be able to afford to 'rent' and purchase 30ltrs of petrol weekly so that only 45 students from the final year class could learn computer, the school cannot afford for the other 455 to participate in ICT studies.

Check this video to see the kids picking and gathering palm fruits for sale instead of being in class <https://lnkd.in/d7d9DNg7>

With solar power in the schools, we are powering the education of our future leaders and promoting access to STEM learning as the school is able to train future ICT & internet engineers for the future. Through this project, we have saved 69kg of CO2 through the weekly 30ltrs of petrol spend.

Watch the reactions of the students when they heard about solar in their school:
https://www.linkedin.com/posts/gloryoguegbu_video-solar-for-activity-6881712761814949888-zUSt

Education

Educational Projects I created and led

- 7) **Climate Education Toolkit:** To ensure that Nigerians are made aware about Climate Change I wrote 4 books contextually describing climate change and the intervention of renewable energy.

This has been made into a climate change education toolkit and includes the textbooks, writing materials, climate teaching guide and a toolkit bag made from recycled and upcycled textile materials. Our toolkit which was formally launched during the COP 26 in Glasgow (https://www.linkedin.com/posts/gloryoguegbu_cop26-climate-education-activity-6864287521233227776-giuji) has been sold and distributed to 2066 persons especially secondary school students which has greatly improved their knowledge on climate change and taught them action steps to take to combat it.

- 8) **Renewable Energy Technology Training Institute (RETTI):** One of our most successful intervention was the creation of a social enterprise - Renewable Energy Technology Training Institute (RETTI) established to train and mentor new engineers, installers & entrepreneurs for the solar power sector to serve as competent workforce for the rising renewable energy sector, & provide access to clean electricity in their communities serving the 93M Nigerians who lack electricity.

In two years, we have trained 1500 persons, 35 percent of whom created own solar enterprises and have collectively installed 5000 KVA of solar electricity and offset over 50000 tonnes of CO2. They have provided jobs by employing more than 100 new employees.

- 9) **RETTI Virtual University (RVU)** (<https://courses.retti.com.ng/>): We launched the RVU in 2020 to enable people have access to our courses without the hindrance of covid 19 which affected our physical programs Africa's first online courses platform for easy access and affordable renewable energy education. Read the press coverage - [HERE](#)
- 10) **Climate Leadership Fellowship:** To train and mentor other young people to take action for climate change we launched the – **Climate Leadership Fellowship** to train and 50 climate enthusiasts on the several aspects of climate advocacy after which they use provided toolkits to train students of secondary schools across Nigeria. The three months fellowship ended in November with 219 applications received, 50 fellows selected from 20 states in Nigeria, 30 secondary school partnered with us and 5000 total students reached with contextual climate information – See here: (https://www.linkedin.com/posts/gloryoguegbu_climate-leadership-fellowship-documentary-activity-6881330106892087296-PFbk)
- 11) **Africa Fellowship for Young Energy Leaders (AFYEL):** To support the global energy transition: In August 2021 we launched the **Africa Fellowship for Young Energy Leaders (AFYEL)** - <https://lnkd.in/dmY2zdYF> to secure our countries energy future by investing in the energy

leaders of tomorrow through training them on core aspects of – Hydropower, Onshore wind, Bioenergy, Solar Power lectured by 10 global experts across three main focal areas – Engineering, Economics and Finance so they can champion their county’s energy transition. The 4 months virtual fellowship program which began in October attracted 501 applications from 27 African countries with 30% women applicants across 9 disciplines. 60 fellows finally selected are from 17 countries with 30% female participation.

- 12) **Projects we launched promoting Climate Action and Energy Efficiency (2021):** Check here to see a list (https://www.linkedin.com/posts/gloryoguegbu_my-goal-for-2021-was-to-make-activity-6881641124608413696-yV7A) of 12 projects we conducted in 2021 to promote the advancement of climate action and clean electricity access for a sustainable world.

Education

- In 2020, I received the Lights on Women Global Award which offered me a scholarship to study – **Electric Vehicles; A power Sector Perspective** by the Florence School of Regulation (Energy and Climate). I received another scholarship to study a six month Program on ‘Regulation for Clean and renewable Energy’ by the same institution. The Electric Vehicle course has broadened my mind on opportunities in the electric vehicle sector especially for Nigeria. I share my learnings through articles. Here's one of my articles: <https://retti.com.ng/2020/11/06/ev-ecosystems- factors-to-consider-when-regulating-the-nigeria-ev-sector/>.
- For my final thesis in the course, I researched on the Nigerian EV sector and came up with **policy recommendations and strategies for regulation and deployment of EVs**. I made an A in my thesis (85%) and earned a Master Level Certificate of Excellence in the course. Undertaking the study for my research opened my eyes to massive opportunities for EV deployment in Nigeria including for two and three wheelers which can meet the huge transportation need for a country of 200 million. Researching on my policy document final thesis project made me know of really exciting activities already ongoing in the #EV sector in Nigeria by companies. I bagged a certificate of excellence and proficiency in **Electric Vehicle Policy Master Course**
- I have a **Bachelor of Science Degree (BSc.) in Geography and Planning** with a second class honours division.
- I earned a certificate of Excellence and Proficiency in **Regulation for Clean and Renewable energy** where in both courses I made an A (85%) for my thesis, earned a master level certificate and an award of excellence.

Paper Publications

- **My paper titled - Empowering Nigerian Women through Solar PV Training and Installation;** - has been published in the International Strategic Journal of Strategic Energy and Environmental Planning, an Atlanta GA based journal of the Association of Energy Engineers in their Volume 2, issue 6, 2020. Undertaking this PHD program in Energy and Environmental Policy will enable me proffer solutions to Nigeria’s policy deficiency in significant energy issues. Please see the paper here: <file:///C:/Users/Glory%20Oguegbu/Downloads/IJSEEP%20Vol.%202,%20%236%20final.pdf>
- In 2016 I presented a paper titled – Climate Smart Nigeria; Challenges and Opportunities which I **delivered as an evening Keynote Speech at the University of Delaware / Africa Energy Conference** organized by Delaware Energy Institute USA.

Climate Change - Conference of Parties Delegation (COP)

- In November 2019, I was nominated as one of four high achieving youths by the **Nigerian Government** to participate as a delegate in the United Nations Conference of Parties(COP 25) in Madrid, Spain.
- In November 2021, I was part of the Nigerian Delegation to the COP26 in Glasgow and was sponsored to participate in the program by Mrs Damilola Ogunbiyi, the CEO and Special Representative of the UN Secretary-General for Sustainable Energy for All and Co-Chair of UN-Energy.

Awards and Recognitions

Please check here to see some of my awards and recognitions

<file:///C:/Users/Glory%20Oguegbu/Downloads/Awards,%20Reco>