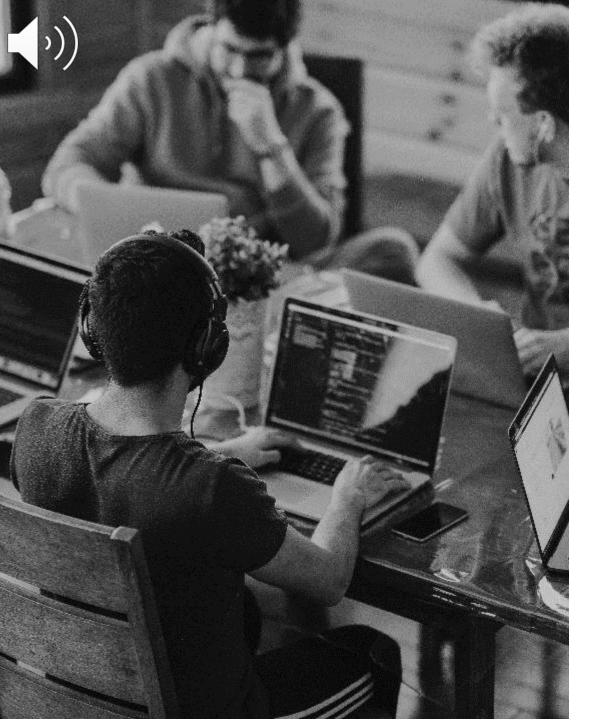# NIGERIA'S RENEWABLE ENERGY DATA ON REQUEST: WAY FORWARD?

IRENA OFFGRID RE STATISTICS

CONFERENCE

Adetayo Adegbemle, 16.02.2021
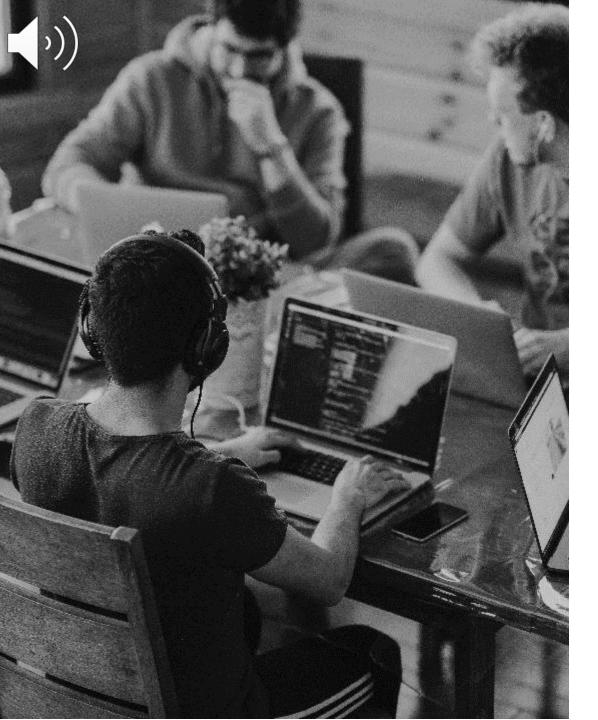
INTRODUCTION

DataOnRE: Data On Renewable Energy

Personal: My name is Adetayo Adegbemle, Executive Director of PowerUp Nigeria, a nonProfits, non Governmental, Consumer Rights and Power Sector Policy Advocacy.

DataOnRE is an OpenData Platform Desk that focuces on bridging the dearth of Data available on Energy in Nigeria. DataonRE started out as "Data On Renewable Energy, but later morphed in "Data on Request: Energy", an openData platform for everything Energy in Nigeria.

One of our Dataset in on "Installed Offgrid Solar Systems In Nigeria(In kilowatts)"

While we were curating this Data, we also discovered that we have another Dataset of Installed Offgrid PHC Solar Systems In Nigeria(In kilowatts)
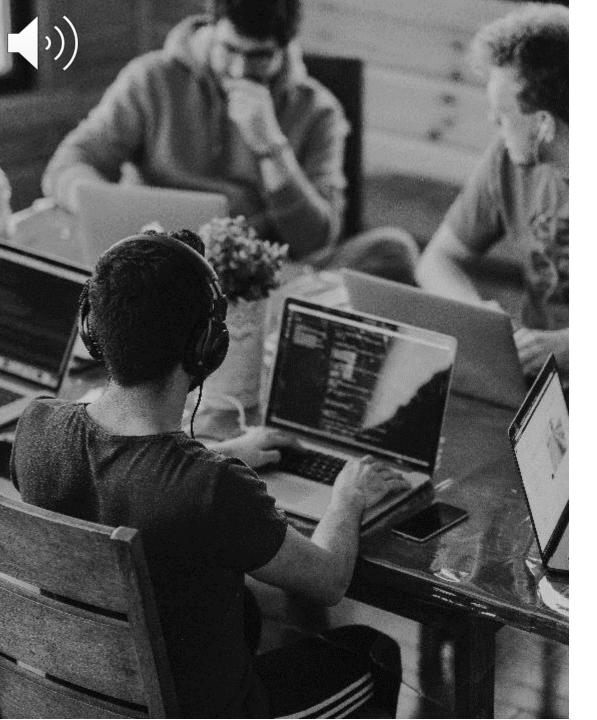
CHALLENGES

DataOnRE: Data On Renewable Energy

The Renewable Energy Sector in Nigeria has seen a massive progress and investment in the last 10years

Nigeria is one of the few countries that has also regulated the sector with the MiniGrid Regulation as released by the NERC in 2016

Major actors/Drivers of the space includes the Government owned Rural Electrification Agency(REA), AllOn Energy, a Shell Petroleum Investment initiative, Bank of Industry, USADF, UNDP, GIZ, and loads of several private investors.

CHALLENGES

DataOnRE: Data On Renewable Energy
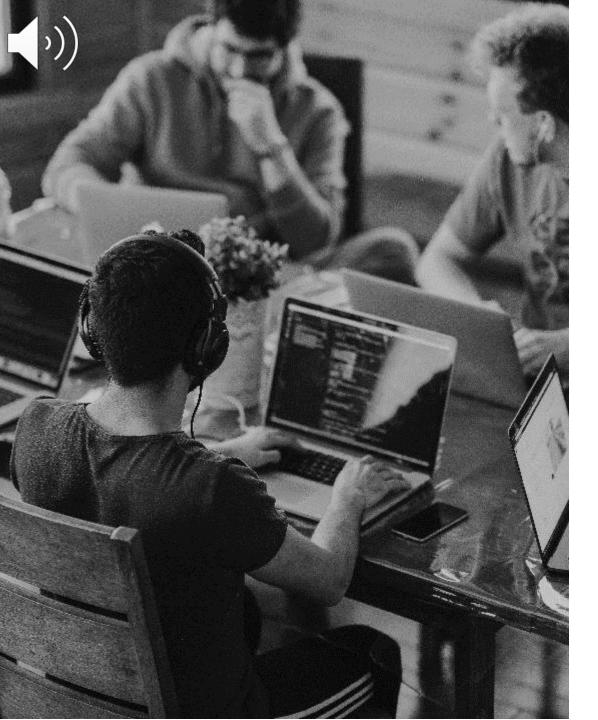
Each of these aforementioned Organizations definitely have data on their individual projects

So we have a situation where we have this OffGrid Installations warehoused in silos.

Data in Silos does not paint any picture, nor is it useful in providing any intelligence

So, What our desk, DataOnRE, sought to do was to bring these Data into Our OpenData Platform on Nigeria's Energy Sector.

APPROACH

DataOnRE: Data On Renewable Energy

First Thing We did was to identify all the leading Investment Bodies in the Offgrid Space, and reached out to them.

A few responded either claimed "Privacy", and/or asked that we should reach out to the project implementing Organizations

Some just acknowledged our letters, and never released the information we sought.

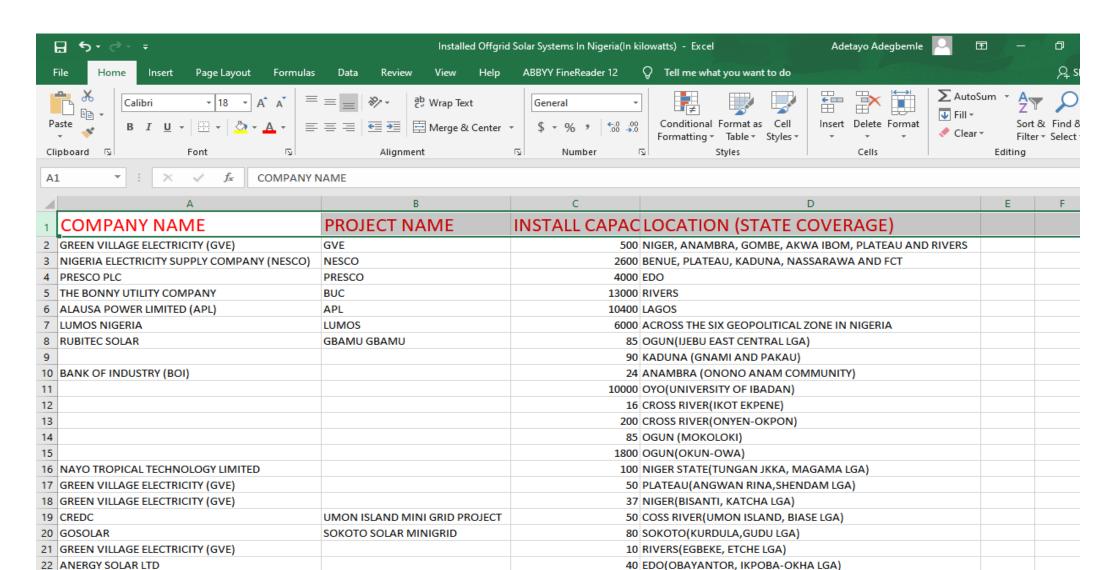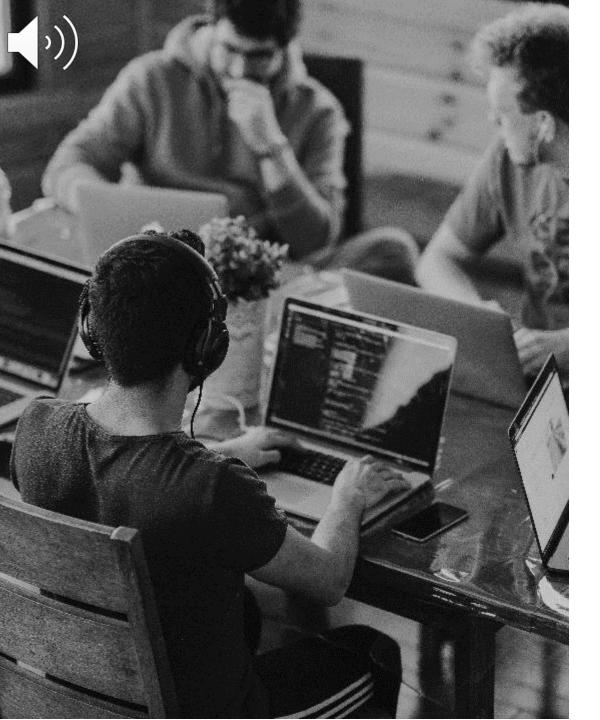To Make things easy for them, we even sent out Templates on the kind of Data that we sought.

EXAMPLE OF TEMPLATE AND DATASET

LET'S DIVE IN

SAMPLE TEMPLATE AND DATA

Installed Offgrid Solar Systems In Nigeria(In kilowatts) - Excel

	COMPANY NAME	PROJECT NAME	INSTALL CAPAC	LOCATION (STATE COVERAGE)
2	GREEN VILLAGE ELECTRICITY (GVE)	GVE	500	NIGER, ANAMBRA, GOMBE, AKWA IBOM, PLATEAU AND RIVERS
3	NIGERIA ELECTRICITY SUPPLY COMPANY (NESCO)	NESCO	2600	BENUE, PLATEAU, KADUNA, NASSARAWA AND FCT
4	PRESCO PLC	PRESCO	4000	EDO
5	THE BONNY UTILITY COMPANY	BUC	13000	RIVERS
6	ALAUSA POWER LIMITED (APL)	APL	10400	LAGOS
7	LUMOS NIGERIA	LUMOS	6000	ACROSS THE SIX GEOPOLITICAL ZONE IN NIGERIA
8	RUBITEC SOLAR	GBAMU GBAMU	85	OGUN(IJEBU EAST CENTRAL LGA)
9			90	KADUNA (GNAMI AND PAKAU)
10	BANK OF INDUSTRY (BOI)		24	ANAMBRA (ONONO ANAM COMMUNITY)
11			10000	OYO(UNIVERSITY OF IBADAN)
12			16	CROSS RIVER(IKOT EKPENE)
13			200	CROSS RIVER(ONYEN-OKPON)
14			85	OGUN (MOKOLOKI)
15			1800	OGUN(OKUN-OWA)
16	NAYO TROPICAL TECHNOLOGY LIMITED		100	NIGER STATE(TUNGAN JKKA, MAGAMA LGA)
17	GREEN VILLAGE ELECTRICITY (GVE)		50	PLATEAU(ANGWAN RINA,SHENDAM LGA)
18	GREEN VILLAGE ELECTRICITY (GVE)		37	NIGER(BISANTI, KATCHA LGA)
19	CREDC	UMON ISLAND MINI GRID PROJECT	50	COSS RIVER(UMON ISLAND, BIASE LGA)
20	GOSOLAR	SOKOTO SOLAR MINIGRID	80	SOKOTO(KURDULA,GUDU LGA)
21	GREEN VILLAGE ELECTRICITY (GVE)		10	RIVERS(EGBEKE, ETCHE LGA)
22	ANERGY SOLAR LTD		40	EDO(OBAYANTOR, IKPOBA-OKHA LGA)

7

DATA CURATION

DataOnRE: Data On Renewable Energy

So, we had to resort to scouring News materials, Published Press Statements on Investments, Publications from Private Investors

Curating from these sources also have its own challenges of incomplete Data, and reduces Data Integrity

WHAT'S NEXT

RECOMMENDATIONS

RECOMMENDATIONS

1. INSTITUATIONAL APPROACH- A

Bodies like IRENA, World Bank with local CivicTech that plays in the field. This may encourage ease of release their data. These data should be open Data.

2. INSTITUTIONAL APPROACH - B

Institutions like IRENA and the World Bank may also want to partner with funding bodies like AllOn Energy, UNDP, USADF, since most OffGrid development can only be done with support from them in the first instance

3. FUNDING

Funds should also be made available for Organizations that are on ground to curate and vet these offgrid installations to improve Data integrity

THANK YOU

Adetayo Adegbemle

+234-8095476620

dataonre@gmail.com,
powerupnigeria@gmail.com

dataonre.powerupng.com