

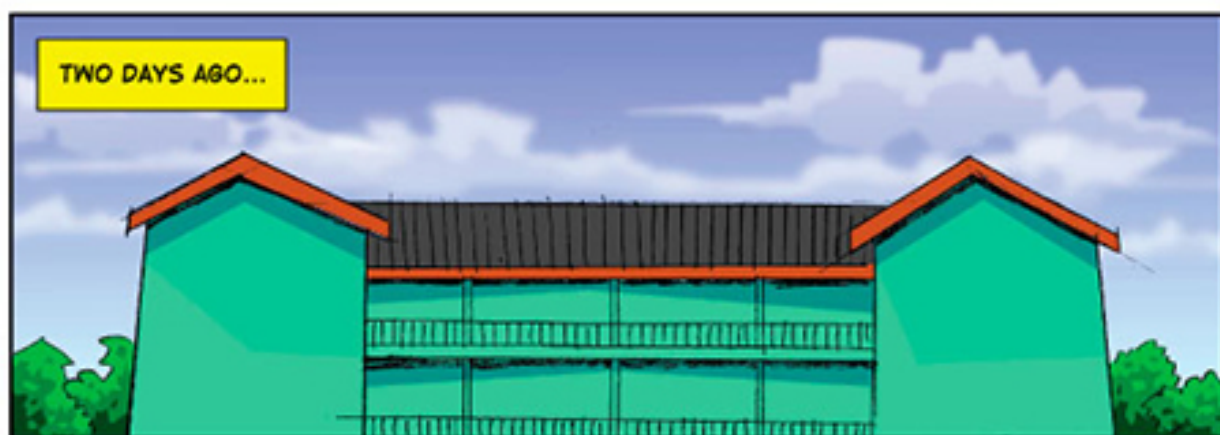
ECO TRIO

ADVENTURERS

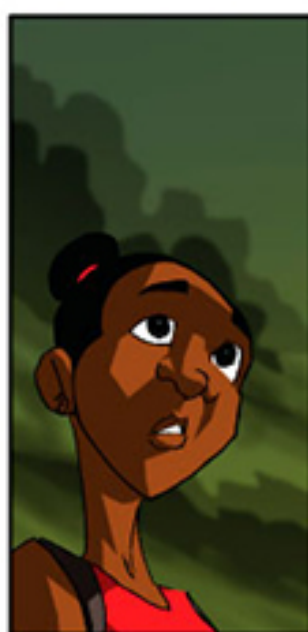
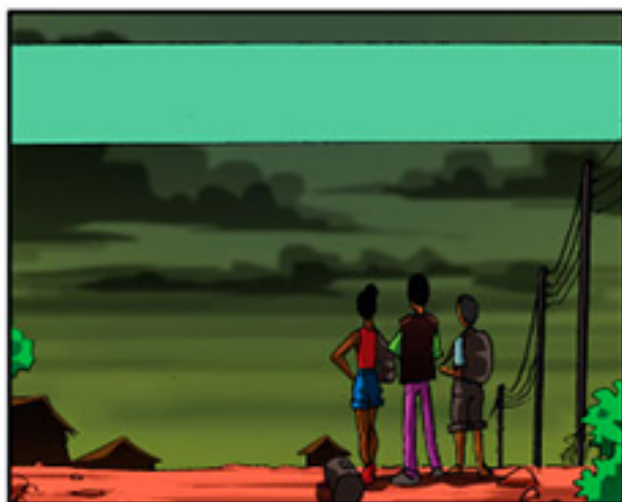




TWO DAYS AGO...



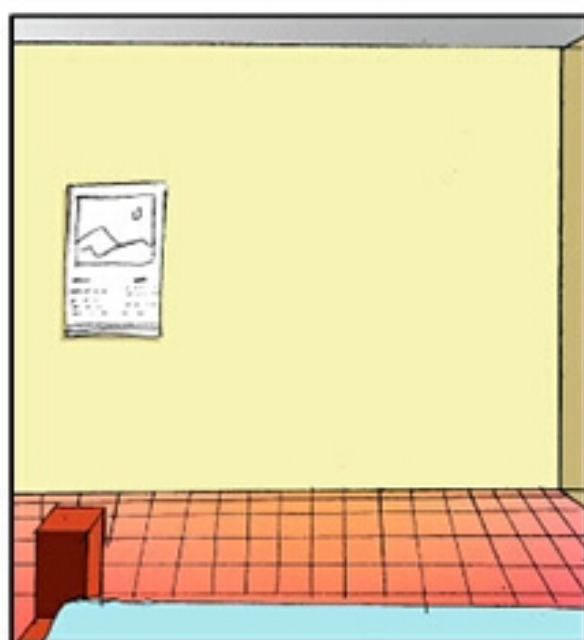


















ADA!



I HAVE TWO BARS OF NETWORK HERE. I CAN REPLY *ALL MY CHATS*.



DO YOU GUYS ATTEND SCHOOL?

I DON'T SEE ANY SCHOOL HERE?

WE GET ONE. NA FOR CHURCH WE DEY GADAH DO SCHOOL.

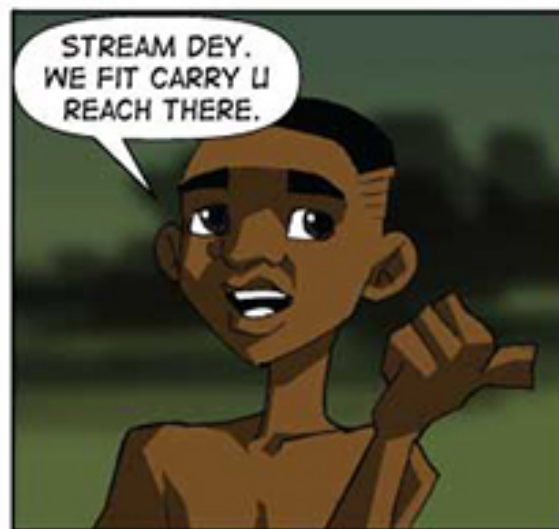
I NOR DEY GO SCHOOL.

IS THERE A BEACH?

ME SEF. I GO SMALL BUT PAPA SAY MAKE I COME WORK FOR FARM.



HA HA HA



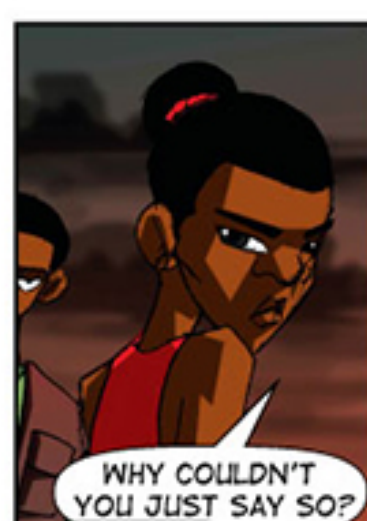
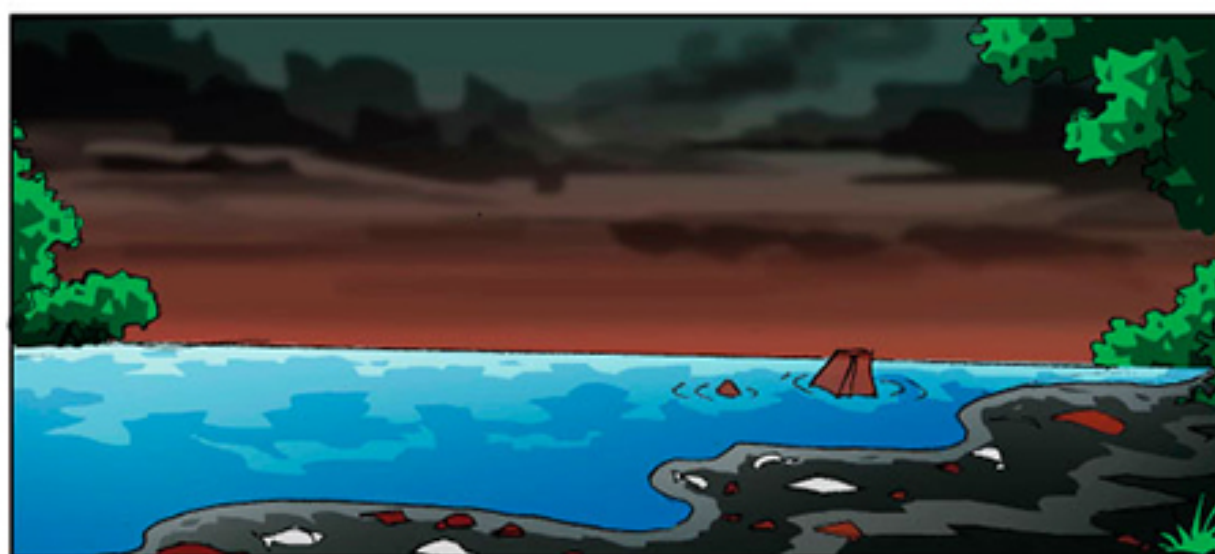
STREAM DEY. WE FIT CARRY U REACH THERE.

RENEWABLE ENERGIES

OIL IS A FINITE RESOURCE AND RESERVES WILL RUN OUT ONE DAY, DEPENDING ON HOW MUCH AND HOW FAST NIGERIANS ARE USING IT. THE SAME IS TRUE FOR GAS, ALTHOUGH NIGERIA HAS MORE GAS THAN OIL. ACCORDING TO THE GOVERNMENT, NIGERIA PRODUCES 8.5BCF OF GAS DAILY. ASSUMING ALL OF THIS IS CHanneLED TO ELECTRICITY PRODUCTION, GAS RESERVES WILL LAST FOR ABOUT 60 YEARS, OBVIOUSLY DEPENDING ON HOW MUCH IS USED EVERY DAY.

BUT ELECTRICITY GENERATION IS THE MAIN SOURCE OF GREENHOUSE GASES (GHG), WHICH ARE CAUSING GLOBAL WARMING. AND GLOBAL WARMING TRANSLATES INTO DESERT ENCROACHMENT, OCEAN SURGES & FLOODING AND EXTREME RAINS AND DROUGHT IN NIGERIA. SO HOW CAN NIGERIA PRODUCE ELECTRICITY WITHOUT EMITTING DANGEROUS CO₂ AND GREENHOUSE GASES?

NIGERIA NEEDS PROPER ENERGY PLANNING FOR THE NEXT 50 OR 100 YEARS, AND THESE PLANS SHOULD INCLUDE A RISING PERCENTAGE OF RENEWABLE ENERGIES, SUCH AS SOLAR, WIND AND BIOMASS. THE RENEWABLE ENERGY MARKET IS GOING TO CREATE MORE JOBS THAN THE OIL INDUSTRY HAS EVER CREATED. IN GERMANY (WHERE THEY HAVE AS MUCH SUN AS IN ALASKA), 400,000 PEOPLE WORK IN THE RENEWABLE ENERGY SECTOR. IN NIGERIA, THIS FIGURE COULD BE MUCH HIGHER. CITIZENS DO NOT HAVE TO WAIT FOR THE NATIONAL ELECTRICITY GRID, BECAUSE DECENTRALISED ISLAND SOLUTIONS WITH RENEWABLE ENERGIES CAN BE INSTALLED WITHIN 3 TO 24 MONTHS.



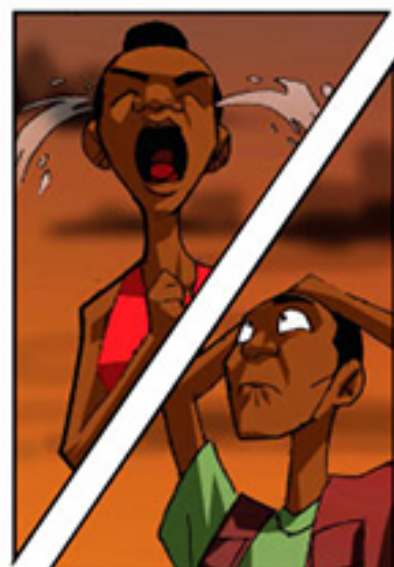
POLLUTION

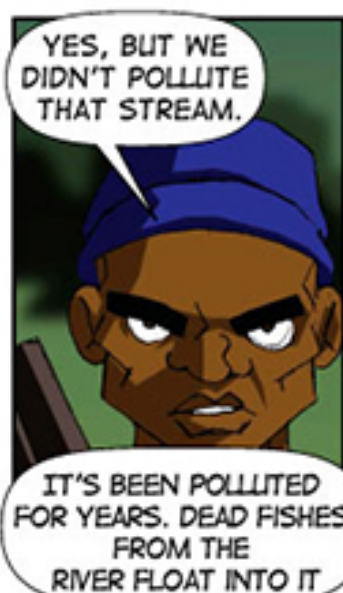
ABOUT 240,000 BARRELS OF CRUDE OIL ARE SPILLED EVERY YEAR IN THE NIGER DELTA. A 2011 UNEP REPORT ESTIMATED THAT CLEANING 1,000 SQUARE KILOMETRES OF OGOINLAND WOULD COST ONE BILLION US DOLLARS AND TAKE 30 YEARS TO COMPLETE. THIS AREA MAKES UP ONLY 14% OF THE WHOLE NIGER DELTA.

IN 2013, NIGERIA DECLARED AN INCOME OF \$20.9 BILLION FROM OIL EXPORTS. BUT THE COST OF CLEANING UP THE SPILLAGES IS NEVER FACTORED INTO THESE CALCULATIONS. IT'S A DOUBLE WASTE: BESIDES POLLUTING THE NATURAL ENVIRONMENT (SOMETIMES FOR 30 YEARS, SOMETIMES FOREVER), THE 240,000 BARRELS OF OIL COULD PRODUCE ENOUGH ELECTRICITY FOR OVER 20 MILLION HOMES RUNNING 6 LIGHTS, A FRIDGE AND A TV EACH FOR A DAY.











WASTE

ANOTHER LARGE SCALE POLLUTION & WASTE: NIGERIA IS FLARING 70 MILLION CUBIC FEET OF GAS EVERY HOUR! IF YOU TOOK THIS GAS, YOU COULD COVER THE WHOLE OF PORT HARCOURT WITH A LAYER OF 13CM OF GAS EVERY HOUR. IF YOU SOLD THIS AMOUNT OF GAS, IT WOULD FETCH US \$ 2.5BN EVERY YEAR.

OIL WILL FINISH ONE DAY WHEN RESERVES RUN OUT. BUT THE POLLUTION STAYS. NEW OIL RESERVES ARE STILL BEING FOUND, BUT THEY TEND TO BE MORE DANGEROUS TO TAP, INCLUDING DEEPWATER WELLS LIKE THE ONE IN THE GULF OF MEXICO, USA, WHERE THE 2012 BP SPILL MADE GLOBAL HEADLINES.











GAS

GAS HAS BEEN TOUTED AS THE NEXT BIG THING AND IT WILL PROVIDE THE ENERGY FOR NIGERIA'S INDUSTRIAL GROWTH IN THE NEAR FUTURE. BUT WHOSE GAS IS IT? AND SHOULD IT BE MANAGED JUST LIKE THE OIL SECTOR, AS IT'S THE SAME OIL MAJORS, LIKE SHELL, CHEVRON AND EXXON MOBIL THAT ARE INVOLVED?

THE GAS SECTOR SHOULD LOOK DIFFERENT, BE MORE TRANSPARENT AND HAVE MORE LOCAL CONTENT! THE PETROLEUM INDUSTRY BILL (PIB) SHOULD PUT A DEFINITIVE END TO GAS FLARING, NOT LEAVING IT IN THE HANDS OF THE MINISTER OF PETROLEUM TO GIVE EXEMPTIONS, AS IT'S CURRENTLY PRESCRIBED IN SECTIONS 275 AND 276.

WITH OR WITHOUT THE PIB, NIGERIA NEEDS AN OPEN, COMMERCIAL GAS MARKET FOR EXTRACTION, PIPELINES AND GAS-TO-POWER PLANTS. LICENSING FOR GAS EXTRACTION MUST BE MORE TRANSPARENT: AT THE MOMENT, ONLY FEW COMPANIES ACCESS THE OIL LICENSING ROUNDS UNDERTAKEN BY THE DEPARTMENT FOR PETROLEUM RESOURCES. GAS IS NOT THE ONLY PROFITABLE GAS BUSINESS! EVERY WASTE DUMP EMITS GASES THAT CAN BE TURNED INTO ELECTRICITY. THESE DUMPS COULD BE URBAN WASTE, ANIMAL WASTE AND ALSO HUMAN WASTE. IF NIGERIA STARTED TO USE COMPRESSED NATURAL GAS FOR CARS AND BUSES (AS NIPCO HAS STARTED IN BENIN CITY), GREENHOUSE GAS EMISSIONS WOULD REDUCE DRASTICALLY.

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