



# Our Environment, Our Health: Protecting tomorrow today

Managing Emerging Waste and Soot  
Crises in the Niger Delta Region  
By Engr ( Mrs ) Kaine Bene Chinwah

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# The Problem

- Sustainable Waste Management is a Major Challenge in Nigeria and in the Niger Delta Region.
- Soot is the common name for particulate matter an Environmental contaminant of HCs. Mixture of particles & liquid droplets formed in the air from metals , acids & chemicals like sulphur dioxides and nitrogen oxides. Really Small. It results from the incomplete combustion of hydrocarbons.

# Waste Challenges

- Improper Collection, Transportation and Disposal Methods
- No Major Recycling
- Monitoring And Regulation Minimal and Policies lacking
- Mindset of the People

# Possible Sources of Soot

- Coal burning
- Internal Combustion Engines
- Local field burning/ Forest burning
- House fires
- Cooking stoves
- Power Plant Boilers
- Automobiles exhaust
- Illegal oil refining and Substandard manufacturing process

## Problems Associated with Waste Challenges

- Health Challenges. Respiratory and heart problems, Increase in Cancer e.t.c
- Global Warming and Climate Change Effect
- Acid Rain and other Environmental Challenges
- Economic Challenges

# Why do we need to reduce Soot levels in the Environment

- Increasing levels of Soot is extremely dangerous to human health. Leads to cardiovascular and respiratory disease, human morbidity and premature mortality.
- Second largest contributor to global warming after CO<sub>2</sub>. ( Equally visibility is affected)
- Destroys Ecosystems and reduces Agricultural productivity

What do we need to do?

- Education

- ACTION

# The Story of World Earth Day

- Once in America, there was a really nonchalant attitude about the Environment. Air Pollution was accepted as 'Prosperity'.
- There was a Publication of a book ' Silent Spring' This book raised public awareness for living organisms, the Environment and links between pollution and Public health



# The Story of World Earth Day

- Things were really going wrong but this book was a starting point , a U.S Senator from Wisconsin , Gaylord Nelson saw that there was a growing consciousness about air and water pollution. This was after the 1969 massive oil spill in Santa Barbara California .
- He set up a campaign team

# The Story of World Earth Day

- On April 22<sup>nd</sup> 1970, 20 million Americans took to the street to demonstrate for a healthy Sustainable Environment
- By the end of that year, the first Earth day led to the creation of the United States Environmental Protection Agency and the passage of the clean Air, Clean water & Endangered Species Act.

# What do we need to do

- Education : This will bring about Knowledge and understanding . Will achieve mind set re-orientation.
- ACTION ; Start at the home and community level. Be a Change Agent.
- Join an Environmental Club. Any Good one. Join ACEP ECO CLUB

# What are we doing Currently:

- T2W
- We have Proposed to our leaders to join the breathe life city network , a campaign for by UNEP and WHO.
- Please help us Sign the friendly petition.  
Also Say Yes on our Social media platforms.  
Facebook, twitter and Instagram .  
The more in number we are, the more we can achieve it. The world is watching

# One is to Small a number to Make a Difference- John . C. Maxwell

- Be a Change Agent. Join ACEP ECO CLUB

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