GLOBAL WEEK AT GS Byumb@UTAB
Living Lab

# Topic: Raising Awareness on Energy Management and the use of Clean Energy Sources / Increasing Renewable Energy Education and Awareness

**Byumba, 21 Sept 2024**

Erasmus+
Co-funded by the European Union

# Introduction

- Growing Rwanda Energy Awareness Through highER education (GREATER)
- Living Lab

# Topic Introduction

- **Purpose of the Discussion**: "Today, we're here to talk about the importance of managing our energy use wisely and how transitioning to clean, renewable energy sources can benefit our environment, economy, and our future generations.“

- **Question**: "How many of you have heard about renewable energy sources like solar, wind, or hydropower? What do you think about their use in our daily lives?"

# What is Energy Management?

- **Explanation**: "Energy management is about using energy in the most efficient way possible. By reducing energy waste, we can lower costs and reduce the environmental impact.“
- **Real-Life Examples**: "Simple actions like turning off lights when not in use, and using energy-efficient appliances.
- **Importance for Families**: "For families, managing energy use can save money on bills and also teach kids how to be responsible with resources."

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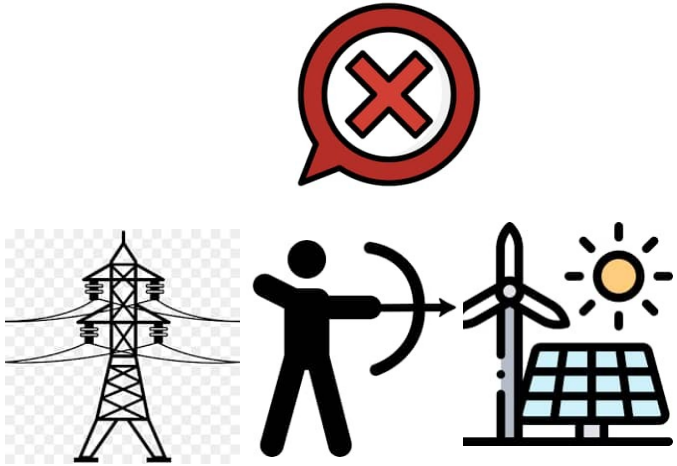

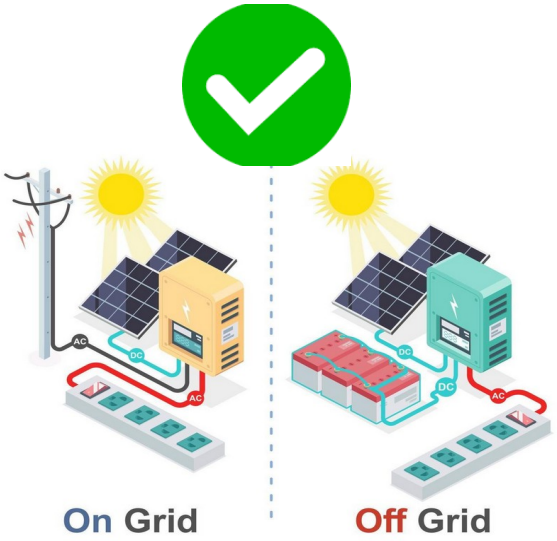

# What are Clean Energy Sources?

- **Introduction to Renewable Energy**: "Clean energy comes from renewable sources like the sun, wind, and water. These sources are naturally refilled, unlike fossil fuels, which are limited and harmful to the environment.“

- **Examples of Renewable Energy**:
  - **Solar Power**: Installing solar panels at home.
  - **Wind Power**: Community wind farms or wind turbines.
  - **Hydropower**: Electricity generated from rivers or dams.

# Benefits of Clean Energy and Energy Management

- **Environmental Benefits**: "Using clean energy reduces pollution, lowers greenhouse gas emissions, and helps combat climate change.“
- **Economic Benefits**: "Renewable energy can lead to cost savings over time, as the price of solar and wind power is becoming more competitive with traditional energy.“
- **Health Benefits**: "Cleaner air from reduced pollution leads to fewer health problems, especially respiratory issues."

# Importance of Renewable Energy Education for Students

- **Teaching Responsibility:** "By learning about renewable energy and energy management from a young age, students can develop habits that will benefit them for life. They'll be the ones to drive future innovations in clean energy.“

- Career Opportunities: "The clean energy industry is growing, with more jobs being created in solar, wind, and energy efficiency. Learning about these topics can open up exciting career opportunities."

# How Can Families Support Renewable Energy Awareness?

- **At Home:** "Families can start by implementing energy-saving practices, like using energy-efficient bulbs or investing in solar panels.“
- **In the Community:** "Get involved in local clean energy projects, attend town meetings about renewable energy initiatives, and advocate for more renewable energy use in schools.“
- **Education:** "Encourage kids to learn about energy sources in school, participate in science fairs with energy-related projects, and explore new technologies."

# Call to Action

- **For Students**: "What can you do today to start using energy more wisely? Can you challenge your family to reduce their energy use?“
- **For Parents**: "Consider exploring options like solar panels or community clean energy programs. Your choices today can shape a cleaner, healthier future for your children."

# Assignment



# Question Time

Thank You

