

POWER KICK FOR AFRICA 2011 – Renewable Energy and Gender (29 June – 1 July, 2011)

Presentation by

K. A. Otu-Danquah, Energy Commission

k.a.otudanquah@gmail.com / otu-danquahk@energycom.gov.gh

On

Geospatial Toolkit for Renewable Energy Planning and
Policy

Outline of Presentation

- Introduction
- Hardware and Operating System requirements
- Demonstration of toolkit
- Security feature
- Conclusion and Recommendation

Introduction

- The Geospatial toolkit for RE Planning and Policy was developed by the Energy Commission with funding from the Renewable Energy and Energy Efficiency Partnership (REEEP), Vienna, Austria.

Hardware and Operating System Requirements

Hardware	
Processor	Intel Pentium 500MHz or faster
RAM	Minimum 256MB for Microsoft Windows 2000. Minimum 512 MB for Windows XP. Recommended: At least 1GB
Hard Disk	Minimum of 2GB
DVD Drive	Required for installation only.
Software	
Operating System	Microsoft Windows® 2000 (SP4) or later; or Microsoft Windows® XP (SP1) or later.

Installation



A screenshot of a Windows dialog box titled "SQL Server Login Information". The dialog box has a blue title bar with a yellow key icon on the left and a red close button on the right. The main area is white and contains two text input fields. The first field is labeled "User Name" and the second is labeled "Password". At the bottom of the dialog box, there are two buttons: "OK" with a green checkmark icon and "Cancel" with a red X icon.

SQL Server Login Information

User Name

Password

OK Cancel

Demonstration of the toolkit

Some features of the toolkit

- Installation

Can be installed on a stand alone computer

It also allows for network installation

- Privileges

No Access: This prevents the user belonging to the group from having access to that module.

Admin: This gives the user belonging to the group access to the module and all its features.

Viewer: This gives the user belonging to the group access to the module but with read-only access.

Conclusion

- The toolkit is made up of 3 sections:
 - GIS,
 - Non-GIS and
 - Energy Calculators
- The Energy and Emissions Calculator enables Energy and CO₂ emission saving estimates to be computed.
 - Energy from Animal Waste
 - Energy from Municipal Liquid Waste
 - Energy from Municipal Solid Waste
 - Heat and Electricity Production from Sawmill Wastes
 - Heat and Electricity Production from Oil Mill Wastes
 - CO₂ Savings - Charcoal to Wood Conversion
 - CO₂ Savings – Biomass Cogeneration/RETs
 - CO₂ Savings – Woodlot and Wood Waste for Wood Fuel

Recommendation

- ECREEE should spearhead the process of updating and improving the toolkit to make it adoptable by the West Africa sub region.

THANK YOU