

Solar water pump
system; a tool for
irrigation farming and
climate change
mitigation measures in
Cameroon

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CLIMATE CHANGE CONFERENCE AFRICA

Yaounde - Cameroon

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Environmental impacts

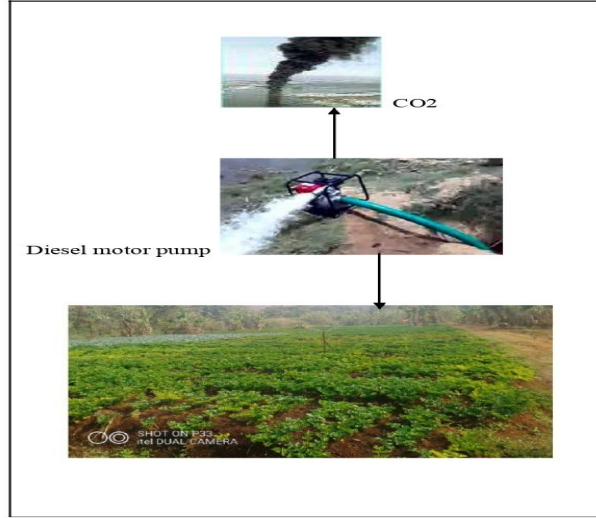
The introduction of solar water pump system is an innovative renewable energy technologies that reduces emission of greenhouse gases; the technology is gradually replacing the use of diesel water pump that emits carbon dioxide to the atmosphere, the carbon emission from the diesel motor pump increases climate change effects, the operation and management of the diesel motor pump system is very expensive to be operated by small holder farmers.

Solar water pumps operate with zero carbon footprints and improve the environment while diesel pumps are ozone depletion, aquatic Eco toxicity, terrestrial Eco toxicity, aquatic acidification and Global warming.

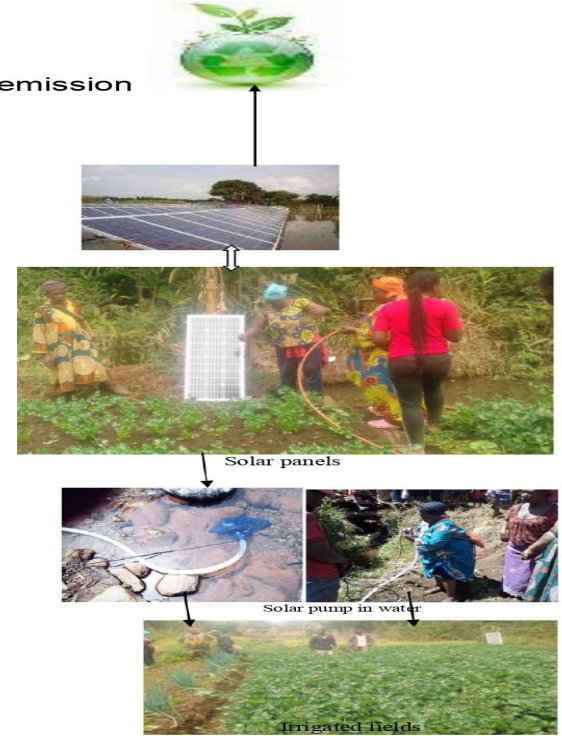
A diesel generator emits carbon dioxide (CO₂) during operation and grid based electricity is usually generated with coal, oil or natural gas which also emits considerable quantities of CO₂

Environmental benefit from solar water pump

Environmental benefit of Solar Water pumping system



No emission



Effect of diesel water pump to the environment

Air pollution

Water pollution

Soil pollution



**Some activities carried out to enhance the use of Solar pumps in Irrigation farming with small holders farmers include;
Training on the use and management of Solar water Pump**



Training on irrigation farming





After trainings small holder farmers operate their individual farms



On going activity in line with Renewable Energy

Over 200 youths will be trained in renewable energy at the Hope For A Better Future Vocational Training Institute, under EU funded project titled “Cameroon Renewed” the training target 200 young Cameroonians passionate about renewable energy.

The project is implemented by 3 Cameroonian CSOs and 3 European organizations



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Thanks for Listening

