



Council of Governors

OUTCOME OF INNOVATIONS AND LEARNING FORUM FOR COUNTIES

HELD ON 15th AND 16th JUNE 2017

NATURAL RESOURCE MANAGEMENT (NRM) INNOVATIONS AND THE INTERESTED COUNTIES

INNOVATION	COUNTIES INTERESTED	REASONS
Solar-powered boreholes for Irrigation-Nyandarua County	TURKANA COUNTY	With the many established boreholes and existing rivers, water pans and the solar energy, this would be a simple and less costly borehole water solution.
	KILIFI COUNTY	River Sabaki which is permanent provides water for irrigation. Various water sources available in the County such as shallow wells and water pans. Availability of land for irrigation. Labour availability.
	LAMU COUNTY	No overhead costs due to the use of natural energy. Environmental friendly.
	KAJIADO COUNTY	Solution to ASAL areas where rain-fed agriculture is unreliable.
	ELGEYO MARAKWET COUNTY	The County is 40% ASAL thus the need for irrigation. Availability of solar energy in the hot areas. ASAL areas have high potential for high value crops like water melons, tomatoes and onions.
	ISIOLO COUNTY	Isiolo is an ASAL region; Introducing this kind of technology could help encourage the youth to venture into Agriculture.
	KIAMBU COUNTY	Highly depended on ground water. High power cost resulting in high production costs. Highly horticultural County. Inadequate water.
	MOMBASA COUNTY	Inadequate rainfall patterns in Mombasa has been a problem for decades, therefore, sinking boreholes for small scale irrigation especially solar powered.

INNOVATION	COUNTIES INTERESTED	REASONS
	KWALE COUNTY	Provision of water in an efficient and sustainable way. Reduce water shortage, use of green energy.
	GARISSA COUNTY	Relevant to our County as the solar energy is available in plenty.
	BUNGOMA COUNTY	Cost effective. Easy to operate. Good for small- holder irrigation.
	KITUI COUNTY	Reduced cost of operation as opposed to petrol or diesel. To maximize on the availability of solar energy.
	TANA RIVER COUNTY	Water from shallow wells along the river Tana Basin can be extracted using solar pumps for irrigation.
Kenya Climate Innovation Centre- Harnessing Innovative private sector solutions to climate change	KERICHO COUNTY	Conversion of inorganic waste (plastics) into industrial fuel.
	SIAYA COUNTY	To create new jobs for the youths from the innovation. Caution farmers from climatic shocks Food security sustainability. Income sustainability.
	KILIFI COUNTY	Presence of raw materials from agricultural wastes such as coconut husks, cassava wastes etc. Availability of labour- Unemployed youth.
	KIAMBU COUNTY	The County has rapid urbanization with industrialization. Some areas are arid. Address encroachment of water sources.
	WEST POKOT COUNTY	West pokot has 3 different climatic conditions. With this innovation in place, farmers would be in a position of getting instructions on what they should plant.
	MOMBASA COUNTY	Climate issues and solutions to climate change affects most counties, coming up with innovative ways to find solutions to climate change like climate smart technology solves the problem.
	NYANDARUA COUNTY	Nyandarua is very much behind in innovations despite having great potential raw materials.

INNOVATION	COUNTIES INTERESTED	REASONS
	LAIKIPIA COUNTY	Half of Laikipia County is a semi-arid area and has experienced rapid climatic change over the last few years which have resulted in farmers-pastoralists conflicts leading to loss of human life. Wildlife-human conflict. Loss of jobs by youth.
Future Pump(solar powered pump)	KILIFI COUNTY	Availability of Irrigation water from River Sabaki.
Eco- Mandate (promote sustainable development through innovation, research, identification and promotion of renewable energy)	WEST POKOT COUNTY	West Pokot has enough sunshine and this would reduce the deforestation that is going on.
	TRANS NZOIA COUNTY	Most vegetables go to waste or are sold at low prices during high supply periods hence value addition through drying increases the value of the produce.
	TURKANA COUNTY	The heat intensity in the County, Eco-mandate technology can be used in ECD centres and health facilities within the County.
	GARISSA COUNTY	Feasible and relevant to the County.
Solid waste Management Landfill project- Kiambu County	NYERI COUNTY	There's a big problem of waste management in urban areas. Environmental Friendly.
	GARISSA COUNTY	Have similar challenges.
	KWALE COUNTY	Educate citizens on being environmental friendly. Reduce Carbon dioxide footprint in Kenya.
	MACHAKOS COUNTY	No clear guidelines in garbage disposal Keeps the Environment clean. Goodwill from the political class is very important for its success.
	SAMBURU COUNTY	Waste is recycled and utilized thus avoiding wastage.
	KERICHO COUNTY	Solid waste management.
	UASIN GISHU COUNTY	To solve solid waste management challenges. To utilize the organic waste in Agriculture.
	EMBU COUNTY	The innovation will maintain a clean environment.
	KISII COUNTY	An environmental friendly and efficient way of managing waste.
	NYANDARUA COUNTY	Use of waste saw dust.

INNOVATION	COUNTIES INTERESTED	REASONS
KINGS BIOFUELS (makes briquette from waste)	KWALE COUNTY	Alternative energy source. Sustainable green energy from a positive environmental clean-up process.
	NYERI COUNTY	Destruction of ecosystem. Availability of waste that can be converted to biofuel e.g. Sawdust and coffee husks.