LEAP-RE

Research and Innovation Action (RIA)

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http://www.leap-re.eu/

List of the EV African Network members

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Summary

The current text that has been compiled is the current deliverable that shows the list of Energy Village African Network (EVAN). That must be developed if the available funding is able to be found. The list of members and stakeholders needed as a first group for EVAN network. The aims of EVAN network are: 1) building a continuous collaboration between EU and AU in RE and 2) solve conflicts and problems appearing in using renewable energy within and across nations, e.g. hydropower ? rivers passing across nations. Additional sub aims are: 1) Establish a central point where every member talk, discuss and ask about EV. 2) Help members and others in challenges faced during implement the EV concept in their locations/villages. 3) Collaborate and jointly publish journal articles concerning the development of RE in EU and AU. 4) Find future project funding and jointly apply future projects. Moreover, 5) communicate about each member institutions activities to other member to establish possible collaborations. The main objectives of EVAN are: 1) Organize continuous communication means such as webinars, newsletter, and meetings ?etc. 2) The University of Vaasa can be the central point where to discuss the RE issues both in EU and AU and for online events or website keeper. 3) Assign members to help locals in their project implementation challenges mainly in EV projects, and 4) Organizing joint publication, future funding applications, and communications can be done during these discussions and/or events along with the members and others. The challenge concerns the development of African nations related to Energy development has been written in the article of LEAP-RE: WP14. To resolved this challenge this EVAN network is very important in the development of Africa and the four countries can be a perfect example.

Approval

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LEAP-RE

Long-Term Joint EU-AU Research and Innovation Partnership on Renewable Energy

Research & Innovation Action

February 2025

List of the EV African Network members

as a deliverable for WP14

Version - Final

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Abbreviations and Acronyms

Acronym	Description
WP	Work Package
AASTU	Addis Ababa Science and Technology University
BIUST	Botswana International University of Science and Technology
DoE	Department of Energy
EV	Energy Village
EVAN	Energy Village African Network
MU	Moi University
MaK	Makerere University
RE	Renewable Energy
SDG	Sustainable Development Goals
UVA	University of Vaasa

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Summary

This deliverable consists of Energy Village African Network (EVAN) potential members and stakeholders. The list of members (Table 2) and stakeholders (Table 1) for EVAN network are the starting first group list of members. Aims of EVAN network are: 1) building a continuous collaboration between EU and AU in RE and 2) solve conflicts and problems appearing in using renewable energy within and across nations if the network grows in content level, e.g. hydropower – rivers passing across nations. Additional sub aims are: 1) Establish a central point where every member talk, discuss and ask about EV. 2) Help members and others in challenges faced during implement the EV concept in their locations/villages. 3) Collaborate and jointly publish journal articles concerning the development of RE in EU and AU. 4) Find future project funding and jointly apply future projects. Moreover, 5) communicate about each member institutions activities to other member to establish possible collaborations.

The main objectives of EVAN are: 1) Organize continuous communication means such as webinars, newsletter, and meetings …etc. 2) Allocate local members to help locals in their project implementation challenges mainly in EV projects, and 3) It will train young generation and works on capacity building by organizing joint publication, future funding applications, and communications can be done during these discussions and/or events along with the members and others. The challenge concerns the development of African nations related to Energy development has been written in the article of LEAP-RE: WP14. To resolve this challenge this EVAN network is very important in the development of Africa and the four countries can be a perfect example.

Keywords: Energy Village Network (EVAN); Renewable Technology; LEAP-RE; Stakeholders; African development; Energy Village

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1. Introduction

The Energy Village African Network (EVAN) is planned to help African nations connect with European Nations (EU) in terms of Renewable Energy. Renewable energy resources are very useful for developing nations including African nations especially in rural areas. If one plans to spread renewable energy across developing nations, there has to be willingness of these rural areas in developing nations has to accept the solutions. A solution can be a solution only if the solution resources are available and there is a willingness among the solution provider and receivers. The whole experience of LEAP-RE‘s Work package 14 is written, and submitted in Renewable Energy Journal and it is under review currently [Girgibo et al. (2025)]. The aim is designed to help African nations by creating a network to build a continuous collaboration. Next sections can show the aims, objectives, values and strategy below.

2. Aims, objectives, values and activities

2.1. Aims

The aims of EVAN network are: 1) building a continuous collaboration between EU and AU in RE and 2) solve conflicts and problems appearing in using renewable energy sources within and across nations if the network grows in content level, e.g. hydropower – rivers passing across nations. Additional sub aims are: 1) Establish a central point where every member talk, discusses and asks about EV. 2) Help members and others in challenges faced during implementation of the EV concept in their locations/villages. 3) Collaborate and jointly publish journal articles concerning the development of RE in EU and AU. 4) Find future project funding and jointly apply future projects. Moreover, 5) communicate about each member institutions activities to other member to establish possible collaborations.

2.2. Objectives, vision and mission

The main objectives of EVAN are: 1) Organize continuous communication means such as webinars, newsletter, and meetings …etc. 2) Creates collaboration between local members to help locals in their project implementation challenges mainly in EV projects, and 3) It will train young generation and works on capacity building by organizing joint publication, future funding applications, and communications can be done during these discussions and/or events along with the members and others.

The visions are: 1) helping member to establish 100% RE solutions in the local locations and 2) create jobs, income sources for locals and money produced in the area should stay /circulate in local area. The missions are: 1) create a better world for the next generations;

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and 2) establish, for the current and future generation, safe and sustainable renewable energy solutions.

2.3. Values

The values are: 1) Spreading renewable energy knowledge: for EVAN spreading knowledge to the locals with what kind of possible natural energy resources they have. How to spread the knowledge of renewable energy is important and shall have the highest priority. That is not only helping the locals. but they will contribute to safeguarding the environment and reduce climate change effects. 2) Influencing local; national policies and policy actions: for EVAN filling the gap between locals, the policy-makers and/or government officials is the other highest priority. This can be achieved by feeding back the locals need and resources to policy-makers and/or government officials in local and national level.

3) To provide and spread local RE knowledge and resources for investors, enterprisers and projects: for EVAN meeting local needs with RE technology installations is very important. This is possibly achieved by inviting those able invest, start business and/or projects in those locals' areas. Therefore, the local area residents are able to benefit from the previous projects results and identified local renewable resources. Moreover, 4) increase local RE resources and weather data availability: for EVAN one way to meet locals' needs is by organizing local RE resource potential and weather data for those who can contribute, influence and invest in local need and benefit the local as well their targets.

2.4. Key activities

The achieve its objectives, EVAN must plan and arrange several activities to establish continuous communication and collaborations between members and stakeholders, for example by emails, arranging meetings, seminars, webinars and further by building its own website. The *main activities* of EVAN are to 1) Organize webinars to update the progress in RE,2) Organize trainings for RE in Africa, 3) Apply funding jointly, 4) Write journal articles or reports jointly, 5) Educate or train students, staff member and locals with upgrading the collaborations, and 6) Other research and site visit collaborations.

The activities concerning *network creation* includes 1) Releasing news from time to time about the EVAN network to attract more members, 2) Generating ideas to update the network, and 3) Organizing meetings only for the EVAN network to update it and keep it going.

The activities to *maintain continues communication* includes 1) monthly emails to members about the network progress and members' activities, 2) meetings and webinars for

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members and non-members can be organized by inviting other African and other nations' experts. In order to activate the network, one organization should take the coordinator role, allocate some time and resources to coordinate activities, involve stakeholders and members, and establish communication channels (including website, newsletters, etc.).

3. List of stakeholders in Energy Village future plan

The list of stakeholders in Africa and Europe were collected for the Energy Village implementation and possible contact persons across Uganda, Addis Ababa, Botswana and Kenya were collected and listed here. This list of contacts can help to create the Energy Village African Wide Network (EVAN).

Table 1. The Energy Village Implementation Stakeholders and contact person those planning to join Energy Village African Network (EVAN) listed here.

Stakeholders	**Contact person at least one**			
	MaK, Uganda	**AASTU, Ethiopia**	**BIUST, Botswana**	**Moi, Kenya**
Villagers			VDC-Precious Taunyane	
Wonji Sugar Factory (WSF)		Wonji research center		
Ministry of Water and Energy (MoWE)		Ministry of water and energy		
Academia/Research Institutions				Kenya industrial research & development institute KIRDI
Ministry of Minerals and Energy			Energy Affairs	
Environmental Assessment Practitioners	National Environment Management Authority NEMA Uganda			NEMA
Funding Agencies /Financial Institutions/			UNDP	GIZ – Deutche Gesellschaft fur Internationale Susammenarbeit GmbH
Sustainable Energy Centre of Excellence (SE-CoE)		SE_CoE		
Renewable Energy Companies			Sustainable Energy Botswana Solamatics Botswana (Pty) Ltd	
National Utility Company			BPC Palapye	KENGEN Kenya Electricity Generating Company PLC

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				KPLC (Kenya Power & Lighting Company Plc) Kenya Power
IT Companies				
Refugee Community				
Host Community			Land Overseer	
Government through the Office of the Prime Minister	Refugee Office, OPM (Office of the Prime Minister)			
Design and Engineering Consultants	Senfkorn Energy			Afriwatt Engineering
Local Authorities	Local council C/P		Serowe District Council	Uasin Gishu County
Government Agencies	Electricity Regulatory Authority, ERA		Botswana Energy Regulatory Authority (BERA)	The Energy and Petroleum Regulatory Authority EPRA
Non-Governmental Organizations (NGOs)	The Officer-in-Charge of Sub-Office at Arua			Catholic diocese of Eldoret
Devis and Shirtliff PLC		Devis and Shirtliff (Ethiopia)		
Technology Providers and Equipment Suppliers (SMEs)				Afriwatt Engineering
Local Community Leaders				
Academic and Research Institutions				
Private Sector Partners				Afriwatt Engineering
Local Residents				
PI Electrochemical PLC		PI Electrochemical		
Maintenance and Operations Teams				
Renewable Energy Providers				
Technology Providers				
Residents and Community Members				

4. List of the EV African Network members and nations

The list of members in Africa and Europe were collected for the Energy Village implementation and possible across Uganda, Addis Ababa, Botswana and Kenya were collected and listed here. This list of organisations can help to create the Energy Village African Wide Network (EVAN) if possible funding is found for future projects.

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Table 2. The LEAP-RE (Long-Term Joint European Union – African Union Research and Innovation Partnership on Renewable Energy) - Work Package 14 members who had joined EVAN.

LGI – Sustainable Innovation
University Vaasa
Makerere University
Addis Ababa University of Science and Technology
Botswana International University of Science and Technology
Moi University

5. Conclusions

This Energy Village African Network (EVAN) is important in creating a better world in establishing the aims of the network. The aims of EVAN network are: 1) building a continuous collaboration between EU and AU in RE and 2) solve conflicts and problems appearing in using renewable energy within and across nations if the network grows in content level, e.g. hydropower – rivers passing across nations. The African wide network focusing on Energy villages and renewable energy, has great potential for helping to get more funding for Africa, where finance shortage is a bottleneck in African projects and implementation. This network not only aims to fix the funding problems, but also aims to build collaboration between EU and AU. Doing so each initiative of individual village can help all its communities. These communities must use RE to overcome their economic need; energy securities and other problems. The experience of LEAP-RE‘s WP14 shows us it is better that the local actors take active role for using to local renewable resources to help their own society to develop. From four countries 16 Energy Villages were identified and their communities can be helped by using Renewable Energy that shown well.

The challenge concerning the development of African nations related to Energy development has been written in of the article written and submitted to international journal by the LEAP-RE: WP14 members. To resolve this challenge this EVAN network is very important in the development of Africa and the four countries can be a perfect example.

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