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Strategic approach to LEAP-RE Community management

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Summary

This report presents the LEAP-RE community management strategy. This strategic document is a public document, which will be regularly updated by the LEAP-RE project partners, due to the evolving nature of the main issues discussed below.

Approval

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LEAP-RE

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

Research & Innovation Action

Community Management Strategy

Version N°03

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LEAP-RE PMB members



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NB.

This strategic document is a public document, which will be regularly updated by the LEAP-RE project partners, due to the evolving nature of the main issues discussed below.



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1. Introduction

The **Long-Term Europe-Africa Partnership on Renewable Energy** (LEAP-RE) is a five-year programme gathering 83 partners committed to implementing an AU-EU joint programme addressing key renewable energy challenges and to co-develop need-oriented governance options, strategies and mechanisms to build a long-term AU-EU Platform for science, technology and innovation (STI) on Renewable Energy (RE).

The programme is built in three pillars with specific methodological approaches:

- Pillar 1: Joint open calls by public funding agencies to select, fund, monitor research, innovation and capacity-building projects across the Multi-Annual Roadmaps (MARs) and TRL scale.
- Pillar 2: Eight R&I projects implemented by consortium members.
- Pillar 3: Programme coordination and all strategic actions to maximize the outputs and outcomes of LEAP-RE and set the grounds for the future long-term collaboration of the AU-EU partnership in RE.

LEAP-RE programme aligns with the specific objectives of the *Roadmap for a jointly funded AU-EU research & innovation partnership on climate change and sustainable energy* (CCSE) adopted by the EU-Africa High-Level Policy Dialogue (HLPD) on STI.

LEAP-RE has established five high-level objectives and one of them is to **demonstrate the efficiency of LEAP-RE programme and create conditions for long-term partnership.**

This objective reflects the importance of developing a joint African and European community, which will play a key role in creating long-term partnership conditions. In this view, a coherent strategy is necessary.

2. Purpose

The document aims to establish the strategy for **creating, expanding and managing** the LEAP-RE community of stakeholders. A shared vision and strategy are necessary to ensure that the LEAP-RE programme reaches this objective.

For this purpose, three main questions per chapter will be addressed:

- a) What is the LEAP-RE community of stakeholders ?**
- b) What type of interactions and dialogues are foreseen within the LEAP-RE community?**
- c) What services and tools are offered to the LEAP-RE community of stakeholders ?**

In this way, the present strategy will define the a) community (typology of actors, the approach to reach out to them); b) the expected interactions among the actors; and c) the tool, platform, content to be offered to the community.

This strategy is submitted as a deliverable; however, the LEAP-RE consortium considers it a living document that is subject to amendments in the course of the project



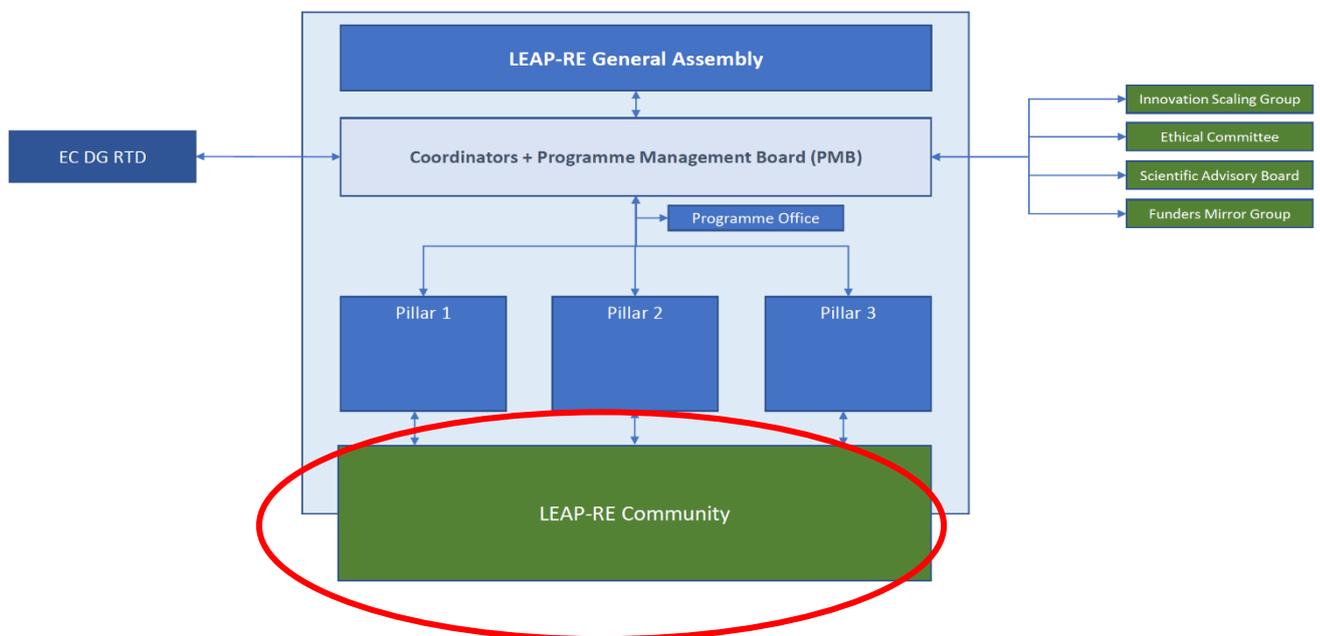
implementation. Therefore, the strategic approach towards the community of actors is to remain flexible.

3. What is the LEAP-RE community?

The LEAP-RE project's main objective is to create a sustainable AU-EU partnership in renewable energy via the development of a community of engaged and motivated stakeholders.

The LEAP-RE community is therefore a group of key stakeholders (individuals, organisations) in the field of Renewable Energy (RE) that join the **LEAP-RE initiative**. The stakeholders from the LEAP-RE community can benefit from support and activities described in chapter X.

Based on this definition, the LEAP-RE consortium members are already existing actors of the LEAP-RE community, as highlighted in the below figure.



The role of the LEAP-RE consortium is to lay the ground for the development of the LEAP-RE community, with the aim of creating long-term and sustainable partnership. The LEAP-RE consortium will facilitate exchange among community members, always with a co-creation approach. For sustainability, the process of community development is based on cooperation.

It is to be noted that the development of the LEAP-RE Community has been initiated with the project 'Preparing for a Long-Term Joint EU-AU Research and Innovation Partnership on Renewable Energy' (PRE-LEAP-RE), which was the preparatory phase of LEAP-RE. PRE-LEAP-RE set the foundation for the current LEAP-RE programme and established a growing



“Multi Stakeholder Group (MSG)”¹ of AU and EU organisations willing to collaborate in renewable energy projects, which is meant to be expanded in the course of the LEAP-RE project.

The LEAP-RE Community will be continuously managed and expanded with new members and animated with invitations to workshops and other relevant events, online community networking access to e-training, summer and winter schools, and surveys to form the future network and Platform. The LEAP-RE Community is designed to identify synergies, to exchange knowledge, to identify common exploitation paths and to foster clusters’ aggregation (*in line with the clustering strategy D4.1*).

The next sub-chapter will outline the typology of actors from the LEAP-RE Community, what stakeholders are envisaged (list) and how to reach out to them.

3.1 Who are the stakeholders from LEAP-RE community?

The overall picture of the LEAP-RE community is based on the Quadruple Helix (QH) approach². QH is based on the idea that innovation is the result of an interactive process involving different spheres of actors, each contributing in accordance with its ‘institutional’ function in society: Government, research and academia, industry / private sector, and civil society.



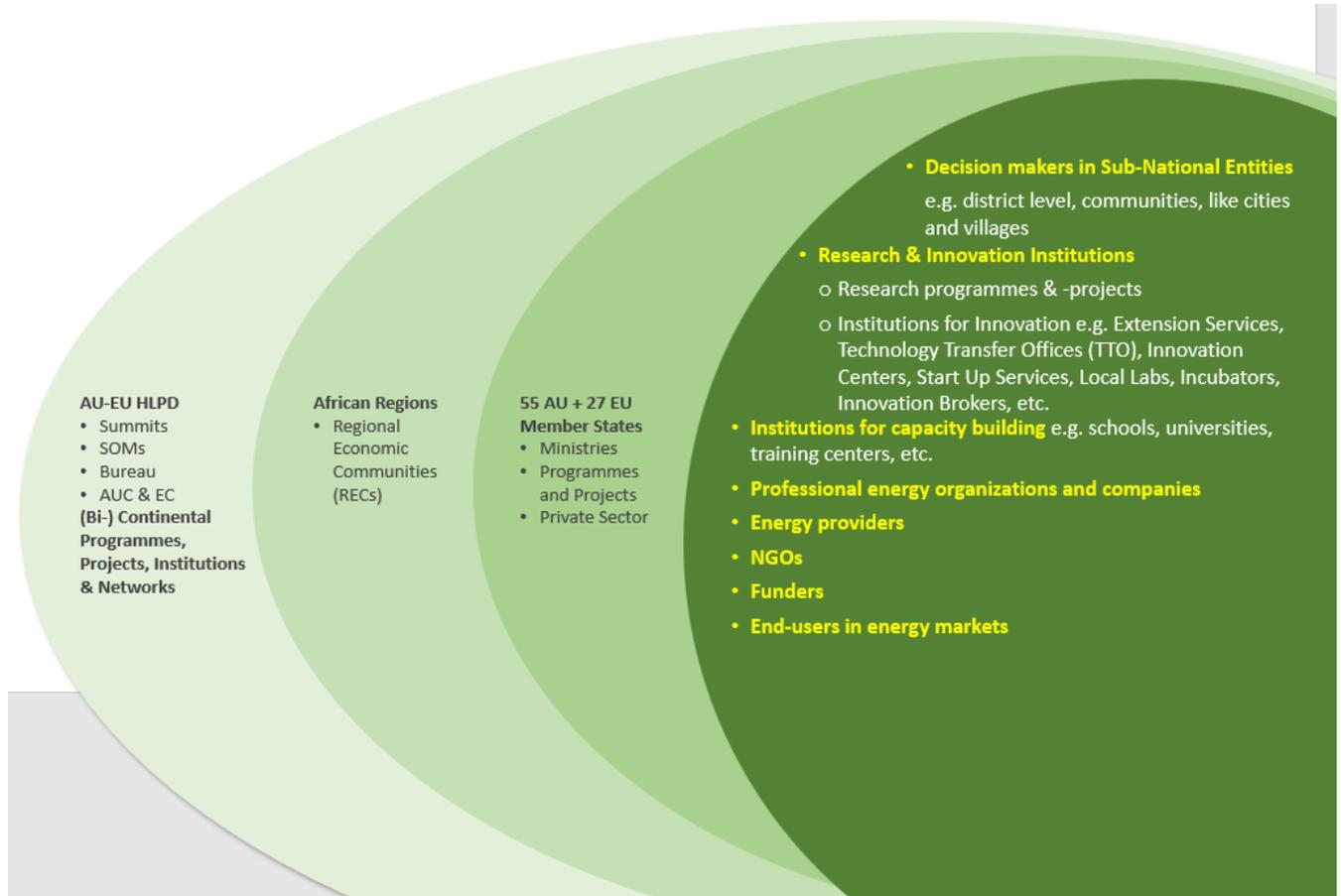
¹ MSG is composed of a diverse set of actors who have an interest in the future joint programme as implementing agencies (i.e. programme owners or managers), strategic partners (i.e. policy actors, non-public funders), or potential stakeholders of the joint programme’s activities (research organizations, civil society)

² The same approach was used for the PRE-LEAP-RE MSG



The LEAP-RE Community will build on this diversity of actors to foster knowledge and innovation creation and exchange, while considering the changing roles and the relationships among different categories of stakeholders.

The envisaged AU-EU community of stakeholder for Research and Innovation (R&I) on RE should build on existing cooperation and communication methods, channels and processes. The figure below gives a rough overview about the stakeholders on the local, the national, the multi-country and (bi-)continental level.



The graphic does not claim to be complete but gives a first orientation and points to the need for a concept about how to serve the coordination of the stakeholders’ activities in RE.

The diversity of actors in cooperation networks requires flexibility in a decentralised coordination approach. To refer to this need, the development of the AU-EU platform during the LEAP-RE project³, is conceptualised as a co-development process. Co-development needs to be understood as a joint process of inclusion with the members of the community. It is important to list a broad stakeholder category as a starting point for the co-development. The list below is not exhaustive but can also be seen as starting point so that a more accurate stakeholder mapping can take place in the course of LEAP-RE programme (see Annex 2).

Stakeholder category	Actors (to map out)
----------------------	---------------------

³ As a result of LEAP-RE Pillar 3 activities (WP4,5 &6)



Business & industry	<ul style="list-style-type: none"> • Entrepreneurs • Start-ups • SMEs • Industrial Groups • Incubator
Policy makers and & public administration	<ul style="list-style-type: none"> • Government and districts • Ministries • Public funders • Cities
Research & Education community	<ul style="list-style-type: none"> • Universities • Research centers • Innovation hubs, centers
Civil Society Organisation and citizen	<ul style="list-style-type: none"> • NGO's • Citizens • Local communities • Cooperatives & farmers' organizations

In addition to this typology, some actors were already identified to be part of LEAP-RE. It includes LEAP-RE partners, participants of the Pillar 1 open call, Pillar 2 non-selected actors, Green Deal beneficiaries and those interested in the outputs of the projects as indicated in the below table:

What	How?
-------------	-------------





PRE-LEAP-RE	<p>During PRE-LEAP-RE, several stakeholders submitted their expression of interest to join the LEAP-RE network. This list of stakeholders is available in Annex 1 and represents a pool of contact to reach on the short term. These actors represent the LEAP-RE community with whom the consortium will implement dialogues and activities.</p>
PILLAR 1	<p>This Pillar has already launched its first open call and the selected project holders will be identified in November 2021. These actors will not be officially consortium members. However, they will be engaged to be part of the broader LEAP-RE community network. If budget remains in Pillar 1, the possibility of launching a second call for projects will be considered, and thus the number of projects funded and therefore of actors involved in the community will increase.</p>
PILLAR 2	<p>Pillar 2 is constituted of eight projects whose members are all partners within LEAP-RE. They were engaged in the LEAP-RE consortium after a two-step process of expression of interest implemented by the PRE-LEAP-RE actors in preparation for LEAP-RE.</p> <p>The process resulted in the inclusion of eight research ideas as individual work packages (<i>WP9-16</i>) within LEAP-RE. These ideas particularly match the LEAP-RE vision and programme.</p> <p>LEAP-RE will keep within the community all the institutions which submitted an expression of interest. These actors were already reached out to when the Pillar 1 managers launched the open call and continuous communication will remain.</p>
Green Deal	<p>LEAP-RE will also engage the projects selected under the LC-GD-2-3-2020 (<i>Green Deal 2.3 call</i>). The scope of these projects is related to the development of renewable energy solutions at the demonstration level (Innovation Action) so lessons learned, knowledge sharing, capacity development could be considered. Also, LC-GD-2-3-2020 required that projects should demonstrate cooperation with LEAP-RE. For these reasons, close collaboration and integration of GD2.3 projects within the LEAP-RE community will be implemented. A common event is being discussed in early 2022.</p> <p>LEAP-RE will also reach actors who responded to the LC-GD-2-3-2020 and who were not selected. Several members of LEAP-RE consortium were indeed contacted by some organisations willing to respond the GD2.3 and without funding success.</p>







4. What type of interaction is expected among the LEAP-RE community of stakeholders?

The report has identified, in the previous chapter, a broad typology of actor that will be represented in the community. In this chapter, the type of interaction, dialogues among the stakeholders, will be outlined.

Interactions are expected to take place among each type of actor. The community shall be seen as a space where you can exchange with a different actor whose profile is different and share the same interest. For instance, local community could benefit from the presence of a city representative to find out about potential funding opportunities for an awareness campaign in RE field. It is indeed a sort of interaction that is expected but others will take place.

The idea is not to have a complete list of dialogue that will occur but to show that we are already thinking of some exchanges in order to offer appropriate activities.

Example of 4 Types of Dialogues that might be led the typology of actors (X).

Example of Dialogues / Dialogue could be led by	Business & industry	Policy makers and & public administration Government makers	Research & Education community	Civil Society Organisation and citizen
Dialogue on field research			X	
Dialogue on renewable energy services and technology	X			
Dialogue on renewable funding renewable energy initiatives		X		
Dialogue on raising citizen awareness for renewable energy		X		X
Pilot project implementation	X		X	



5. What services and tools are offered to the LEAP-RE community?

In this chapter, the rationale is to think on what (i.e. activities and services) is going to be offered to the LEAP-RE community and which communication tools and methods are needed for the stakeholder dialogues.

It is important to consider that the definition of stakeholders and their needs will not follow a LEAP-RE top-down process, rather that LEAP-RE will undertake the role of a facilitator for the community members.

5.1 Activities and services

Different stakeholders may have different needs and interests. Therefore, what is listed in the following table is not meant to be exhaustive. The activities and services offered to the community will be continuously evolving as the result of co-creation with the members. It is an important aspect because the challenge is to create and maintain interest in what is offered in order to have engaged and motivated actors.

For this reason the table below aims to frame the already identified actions/services to be offered and their benefits for a specific stakeholder.

Activities and services offered	Benefits	Stakeholder category*
Workshops	Enabling networking Capacity, knowledge building	all
Online community management	Enabling networking Matchmaking between actors Co-creation for a new collaboration	all
Knowledge exchange	Capacity, knowledge building	all
Access to online trainings	Capacity building	all
Coordination of an integrated knowledge management and communication infrastructure	Knowledge building	all
Coordination of a long-term funders network and short-term funders alliances	Enabling networking Matchmaking between actors	Policy makers and & public administration



Coordination of a Sorting House Network and a Sorting House Mechanism based on the clustering process	Knowledge building/sharing	All
Coordination long-term cyclic monitoring, evaluation and learning (MEL) activities	Knowledge building/sharing	all
Development of interfaces for data and information management (GDPR compliant)	Knowledge building/sharing	All
Matchmaking platform	Knowledge building/sharing Matchmaking between actors	All
Think-tank	Knowledge building/sharing	All
One-stop-shop	Knowledge building/sharing	All
Task Force on AU-EU energy issues	Knowledge building/sharing	All
Innovation Accelerator	Knowledge/innovation building	All

**Stakeholder categories: Business & industry ; Policy makers and & public administration; Research & Education community; Civil Society Organisation and citizen*

5.2 Communication tools

Due to the large number of actors expected in the LEAP-RE community and their diverse geographical coverage, a significant part of the community management will be done online. It is therefore important to select an appropriate online tool that fulfils social network requirements:

- accessibility to a huge number of members (+1000),
- accessibility without charges for members,
- possibility to create sub-groups (type of actors, type of RE technologies, cluster, etc.) and chat, and
- user friendliness to make it easy to use for all and across all cultures.



The objective is to select a tool that fulfils social network requirements.

A benchmark of the existing tool will be done however, the LEAP-RE consortium has identified two tools that seems to respond the need:

- 'D-Groups'-Tool : add link
- LinkedIn : add link

Regarding the practicalities in terms of community animation, the LEAP-RE community will be animated online by a Community Manager (CM) whose role consists of managing the community. Considering the heterogeneity of actors and therefore the types of dialogues among them, the community management function cannot rely on one single person or organisation. Consequently, the implementation of the CM functions will be spread among the appropriate members of the LEAP-RE community members the CM will oversee the proper execution of these functions.

Several CM functions are defined as follows:

Functions	Definition	Who
Facilitator	Facilitate and encourage interactions between users	LEAP-RE community members to identify
Moderator	Moderate users' comments (when needed)	
Content creation	Ensure constant and up-to-date content to ensure interaction and keep the community engaged (sub group creation for clusters, type of actors, events, etc.)	
Analyst	Study, consult the LEAP-RE community and see how it feels (surveys, etc.)	
Community Developer	Expand and manage the community Create connection with other existing online communities	

Animating an online community requires engaging stakeholders by offering interesting content and creating interactions. In this view, a charter where members are encouraged to engage and share meaningful information will be provided. In addition to that, rules for proper community online animation will be also defined.



6. Links with other LEAP-RE deliverables

The challenge of LEAP-RE community management is to integrate the collaborative work of the partners who are directly or indirectly involved in the constitution and animation of the community. In this respect, the following deliverables, produced in different WPs, should be used and their coherence with the orientations contained in this document should be ensured:

- D4.1: Knowledge sharing and clustering strategy: a document formulating the methodological basis for undertaking clustering and knowledge sharing in LEAP-RE, including potential areas of knowledge sharing clustering, community members involved, and expected outcomes. A strategy for engaging and activating community members in these activities will be outlined, as well as a plan for implementation;
- D5.7: List of new LEAP-RE community members from WP5 activities. D5.7 contributes to the data base of LEAP-RE;
- D5.9 : Report about Twinning & Teaming & Pooling activities: a document showing these will be shared in the LEAP-RE community as it is instrumental in building a strong network and documenting related information is important for the future perspectives for research and innovation.

7. Conclusion

The LEAP-RE community strategy outlines the importance to create a common vision and a dynamic that appeals community member to be engaged by sharing knowledge, information in the renewable energy filed.

It also addresses how this community is managed and why it is worth to come together.

Since LEAP-RE context will be evolving, therefore this strategy should be seen as a reflexion driver and shall therefore remain flexible according to the needs of the LEAP-RE programme and its community of actors.



8. Annex

Annex 1: PRE-LEAP-RE: Online form and List of stakeholders who expressed their interest in collaboration

Annex 2: Example of type of dialogue matrix

Annex 3: Stakeholder category – more detailed example



Annex 1


PRE-LEAP-RE

Project interactions

This online form allows the project representatives to gather preliminary expressions of interest from concerned stakeholders and consolidate subscriptions to the dissemination contact list.

Please complete the following information.

Your personal information

Last name _____ First name _____

Email _____

Organisation _____

Your subscription

Expression of interest for stakeholders

Upon selection of this option you will receive an email with a link for download of the form to be filled up and further information and instructions. If you don't see the email please check your spam box.

I would like to receive the form
 I do not want to receive the form

PRE-LEAP-RE

This newsletter (not more than twice a month) shares the project's progress as well as news and highlights concerning this European Union-Africa collaboration in the field of renewable energy.

I would like to subscribe or I choose to remain subscribed
 I no longer wish to be updated

[Give permission and update my preferences here](#)

Details of your consent

<p>Use of personal data</p> <p>The personal data collected will only be used to send you the newsletter(s) you chose to opt in to above.</p>	<p>Automated decisions</p> <p>Personal data is not used to make automated decisions, profiling or marketing actions. It will not be assigned</p>
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Preliminary list of 104 potential participants in the future RIA who expressed their interest for the collaboration – country-wise

25	78	1				30	74	42	19	4	44	6
African	European	America	Country/Region	Abbrev. Organisation	Organisation	Funders	Contributors	Public Body	Private Body	Civil Society	Academia	Others
1			African Union	AU-PAUWES	Pan African University Waer and Energy Science		1			1		
1			Algeria	CDER	Centre de Développement des Energies Renouvelables	1		1				
1			Algeria	URER/MS	Unité de Recherche en Energies Renouvelables en milieu saharien URERMS Centre de développement des énergies renouvelables	1		1				
	1		Austria	REEEP	Renewable Energy and Energy Efficiency Partnership (REEEP)	1		1				
	1		Azorean	DREn	Regional Directorate for Energy - Azorean Government		1	1				
	1		Belgium	FNRS	Fonds de la Recherche Scientifique	1		1			1	
	1		Belgium	FWO	Research Foundation Flanders / Fonds Wetenschappelijk Onderzoek	1		1				
	1		Belgium	SPW	Public Service of Wallonia		1			1		
1			Burkina Faso	ISOMET	ISOMET	1		1				
1			Burkina Faso	ME	Ministère de l'Energie		1		1			
1			Cameroon	ENERGYZON	ENERGYZON Energy and environment for Ever		1				1	
1			Cameroon	ENSPM	National Advanced School of Engineering of Maroua		1				1	
1			Cameroon	LGG/DPH/FS/UY1	Laboratory of Geophysics & Geoexploration/ Department of Physics/ Faculty of Science/ University of Yaounde 1		1	1				
1			Cameroon	MINRESI	Ministry of Scientific Research and Innovation		1		1			
1			Congo DRC	CERERK	Centre d'Etudes et de Recherches sur les Energies Renouvelables kitsisa de L'Institut Supérieur des Techniques Appliquées (CERERK-ISTA)		1				1	
	1		Cyprus	FOSS Research Centre for Sustainable Energy of the University	FOSS Research Centre for Sustainable Energy of the University		1				1	
	1		Denmark	DTU	Technical University of Denmark	1		1				
1			Djibouti	ODDGE	Djiboutian Office of Geothermal Energy Development		1	1				
1			Egypt	MHESR	Ministry of Higher Education & Scientific Research		1		1			
	1		Ethiopia	AUU	School of Earth Sciences, Addis Ababa University		1		1		1	
	1		Finland	AKA	Suomen Akatemia	1		1				



25	78	1				30	74	42	19	4	44	6
African	European	America	Country/Region	Abbrev. Organisation	Organisation	Funders	Contributors	Publ Body	Private Body	Civil Society	Academia	Others
1			Finland	LUT	Lappeenranta-Lahti University of Technology		1					1
1			France	ADEME	Agence de l'Environnement et de la Maîtrise de l'Energie		1					1
1			France	ANR	Agence Nationale de la Recherche		1		1			1
1			France	BRGM	Bureau de recherches géologiques et minières		1		1			
1			France	CAPENERGIES	The competitive cluster for energy transition		1	1				
1			France	EDF	Electricité de France		1					1
1			France	Geo2D	SARL Geo2D (Ressources Géologique pour le Développement Durable)		1					1
1			France	MEDEE	Pôle MEDEE		1		1			1
1			France	MESRI	Ministère de l'Enseignement Supérieur, de la Recherche et de l'Innovation		1		1			1
1			France	NEXA			1		1			
1			France	Région Hauts-de-France	Région Hauts-de-France		1					1
1			France	Think Smartgrids	Think Smartgrids		1					1
1			France	UBO	Université de Brest	1		1				
1			France	UL	Université de Lorraine	1		1	1			
1			Germany	CSP Services GmbH	CSP Services GmbH		1					1
1			Germany	DLR	DLR-Institute of Networked Energy Systems - DLR-ve		1					1
1			Germany	EcoKraft GmbH	EcoKraft GmbH	1		1				
1			Germany	EERA JP ES	EERA Joint Programme Energy Storage		1					1
1			Germany	EFZN	Energy Research Center of Lower Saxony		1		1			
1			Germany	Fraunhofer CSP	Fraunhofer-Institut für System- und Innovationsforschung ISI		1		1			
1			Germany	FZ Jülich	Forschungszentrum Jülich GmbH		1	1				
1			Germany	GZB	Bochum University of Applied Science – International Geothermal Centre		1		1			
1			Germany	ifES-EES	Leibniz Universität Hannover		1	1				
1			Germany	Nexus	Nexus Institute for Cooperation Management and Interdisciplinary Research		1					1



25	78	1				30	74	42	19	4	44	6
African	European	America	Country/Region	Abbrev. Organisation	Organisation	Funders	Contributors	Public Body	Private Body	Civil Society	Academia	Others
	1		Germany	RLI	Reiner Lemoine Institut		1		1			
	1		Germany	TUC IFAD	Clausthal University of Technology-Institute of Mineral and Waste Processing	1		1				
	1		Germany	WIP Renewables Energies	WIP Renewables Energies		1					1
	1		Greece	HCL Consultants	HCL Consultants		1					1
	1		Greece	UPAT	University of Patras	1		1				
	1		Italy	ACRA	Fondazione ACRA		1					1
	1		Italy	AICS	Italian Agency for Development Cooperation		1					1
	1		Italy	CIHEAM/IAMB	Centro Internazionale di Alti Studi Agronomici mediterranei – Istituto Agronomico Mediterraneo di Bari	1		1				1
	1		Italy	CNR	National Research Council of Italy	1		1				
	1		Italy	ENEA	Italian National Agency for Energy		1					1
	1		Italy	ENI	ENI Energy compagy	1		1				
	1		Italy	FEEM	Fondazione Eni Enrico Mattei		1					1
	1		Italy	Italian Ministry of the Environment, Land and See	Italian Ministry of the Environment, Land and See	1		1	1			
	1		Italy	MAECI	Ministry of Foreign Affairs	1		1				
	1		Italy	Ministry of Economic Development	Ministry of Economic Development	1		1				
	1		Italy	MIUR	Ministry of Education and Research	1		1				
	1		Italy	OGS	Istituto Nazionale di Oceanografia e di Geofisica Sperimentale		1	1				
	1		Italy	POLIMI	Politecnico di Milano		1	1				1
	1		Italy	POLITECNICO DI TORINO	Politecnico di Torino - Energy Center	1		1				
	1		Italy	RES4MED	Renewable Energy Solutions for Mediterranean and Africa	1		1				
	1		Italy	SSSA	Santiana School of Advanced Studies, Institute of Management		1		1			
	1		Italy	TRENTINO	Autonomous Province of Trentino		1					1
	1		Italy	UNIBO	University of Bologna	1		1				
	1		Italy	UNIMORE	Università degli Studi di Modena e Reggio Emilia		1					1



25	78	1				30	74	42	19	4	44	6
African	European	America	Country/Region	Abbrev. Organisation	Organisation	Funders	Contributors	Public Body	Private Body	Civil Society	Academia	Others
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	1		Italy	UNITO	University of Torino - DISAFA	1		1				
1			Libya	UECO	University Engineering Consulting Office		1	1			1	
1			Malawi	NCST	National Commission for Science and Technology		1			1		
1			Morocco	ECC	Ecole Centrale Cassablanca		1	1				
1			Morocco	MAScIR	Moroccan Foundation for Advanced Science, Innovation and Research	1		1				
1			Morocco	UIR	Université Internationale de Rabat		1				1	
1			Mozambique	GMSC Lda	Geological Management Services and Consultancy, Lda	1		1				
	1		Netherlands	TNO	Netherlands Organisation for applied scientific research		1				1	
1			Niger	SGG	General Secretariat of Government		1				1	
1			Nigeria	SESL	Savidon Energy Services Limited	1		1				
	1		Norway	IFE	Institute for Energiteknikk		1		1			
	1		Norway	NORCE	NORCE Norwegian Research Center AS	1		1				
	1		Portugal	ALER	Lusophone Renewable Energy Association	1		1				
	1		Portugal	AP2H2	AP2H2-Portuguese Hydrogene Association		1			1		
	1		Portugal	FC.Ul	Ciencias.Ulisboa		1					1
	1		Portugal	LNEG	Laboratório Nacional de Energia e Geologia		1		1			
	1		Portugal	TESE	Association for Development for Technology, Engineering, Health and Education		1					1
	1		Portugal	Wavec	Wavec	1		1				
1			Rwanda	NIRDA	National Industrial Research and Development Agency		1				1	
1			Senegal	MESRI	Ministry of Higher Education, Research and Innovation		1				1	
1			Somalia	MoEM	MINISTRY OF ENERGY AND MINERALS OF SOMALILAND		1				1	
1			South Africa	NMA	Nelson Mandela University		1				1	
1			South Africa	SANEDI	South African National Energy Development Institute		1				1	



25	78	1				30	74	42	19	4	44	6
African	European	America	Country/Region	Abbrev. Organisation	Organisation	Funders	Contributors	Public Body	Private Body	Civil Society	Academia	Others
	1		Italy	UNIPD	University of Padova		1	1				
	1		Italy	UNITO	University of Torino - DISAFA	1		1				
1			Libya	UECO	University Engineering Consulting Office		1	1			1	
1			Malawi	NCST	National Commission for Science and Technology		1			1		
1			Morocco	ECC	Ecole Centrale Cassablanca		1	1				
1			Morocco	MAScIR	Moroccan Foundation for Advanced Science, Innovation and Research	1		1				
1			Morocco	UIR	Université Internationale de Rabat		1				1	
1			Mozambique	GMSC Lda	Geological Management Services and Consultancy, Lda	1		1				
	1		Netherlands	TNO	Netherlands Organisation for applied scientific research		1				1	
1			Niger	SGG	General Secretariat of Government		1				1	
1			Nigeria	SESL	Savidon Energy Services Limited	1		1				
	1		Norway	IFE	Institute for Energiteknikk		1		1			
	1		Norway	NORCE	NORCE Norwegian Research Center AS	1		1				
	1		Portugal	ALER	Lusophone Renewable Energy Association	1		1				
	1		Portugal	AP2H2	AP2H2-Portuguese Hydrogene Association		1			1		
	1		Portugal	FC.Ul	Ciencias.Ulisboa		1					1
	1		Portugal	LNEG	Laboratório Nacional de Energia e Geologia		1		1			
	1		Portugal	TESE	Association for Development for Technology, Engineering, Health and Education		1					1
	1		Portugal	Wavec	Wavec	1		1				
1			Rwanda	NIRDA	National Industrial Research and Development Agency		1				1	
1			Senegal	MESRI	Ministry of Higher Education, Research and Innovation		1				1	
1			Somalia	MoEM	MINISTRY OF ENERGY AND MINERALS OF SOMALILAND		1				1	
1			South Africa	NMA	Nelson Mandela University		1				1	
1			South Africa	SANEDI	South African National Energy Development Institute		1				1	



25	78	1				30	74	42	19	4	44	6
African	European	America	Country/Region	Abbrev. Organisation	Organisation	Funders	Contributors	Public Body	Private Body	Civil Society	Academia	Others
	1		Spain	AEI	Agencia Estatal de Investigación (State Research Agency)		1					1
	1		Spain	CIEMAT	Centro de Investigaciones Energéticas Medioambientales y Tecnológicas		1					1
	1		Spain	ITE	Instituto Tecnológico de la Energía		1					1
	1		Spain	UPC	University Polytechnic of Catalonia		1					1
	1		Sweden	SEA	Swedish Energy Agency		1					1
	1		Switzerland	UNIGE	University of Geneva		1					1
	1		The Netherlands	EERA-JPGE	Utrecht University		1					1
	1		Turkey	TUBITAK	The Scientific and Technological Research Center of Turkey		1					1
	1		UK	Loughborough University	Loughborough University		1					1
	1		UK	UK LCEDN	UK Low Carbon Energy for Development Network		1	1				1
		1	USA	The Alliance	Clean Cooking Alliance (initiative hosted by the UN)		1		1			

Annex 2

The below mentioned dialogues are examples and are not expected to be complete and some details are still missing, like specificities for women, men and youth. Some might need modification and further types of dialogues shall be added if needed. This is also a list in progress. In the process of developing this partly more theoretical list, a list of concrete actors will have to be collected in a data base or being linked to the respective dialogues in a social media tool.

Stakeholders Dialogues	Cooperation & Communication Channels	Cooperation & Communication Technologies	Dialogue Methods	Rural Areas	Urban Areas	Gaps to be addressed in the Network Coordination Concept
<p>DIALOGUE 1</p> <p>Off-Grid energy providers ↔ Scientists</p>	<ul style="list-style-type: none"> • Field Research • Field Services • Rural Labs • Youtube • Wikipedia • Websites • Radio 	<ul style="list-style-type: none"> • Face-to-face communication • Regular Lab reports • Interlinked digital data- and knowledge bases • Info short-films • Radio shows • Poster material for illiterate • 	<ul style="list-style-type: none"> • Scientific 'Social Worker' • Science institutionalized in organisations of energy providers 	•	•	<ul style="list-style-type: none"> • Researchers should be obliged by research funders to develop and implement communication channels, technologies and methods for communicating their research outputs
Women ?	•	•	•	•	•	•
Men ?	•	•	•	•	•	•



Stakeholders Dialogues	Cooperation & Communication Channels	Cooperation & Communication Technologies	Dialogue Methods	Rural Areas	Urban Areas	Gaps to be addressed in the Network Coordination Concept
Youth?	•	•	•	•	•	•
DIALOGUE 2 Scientists ↔ Innovators & start-ups ↔ funders	<ul style="list-style-type: none"> • Innovation hubs • Field research • Extension Services • Technology transfer offices 	<ul style="list-style-type: none"> • Face-to-face communication • Regular innovation hub reports • Interlinked digital data- and knowledge bases 	•	•	•	•
Women ?	•	•	•	•	•	•
Men ?	•	•	•	•	•	•
Youth?	•	•	•	•	•	•
DIALOGUE 3 Scientists ↔ Decision Makers on	•	•	•	•	•	•



Stakeholders Dialogues	Cooperation & Communication Channels	Cooperation & Communication Technologies	Dialogue Methods	Rural Areas	Urban Areas	Gaps to be addressed in the Network Coordination Concept
the local Level						
Women ?	•	•	•	•	•	•
Men ?	•	•	•	•	•	•
Youth?	•	•	•	•	•	•
DIALOGUE 4	•	•	•	•	•	•
National Governments ⇔ Scientists						
Women ?	•	•	•	•	•	•
Men ?	•	•	•	•	•	•
Youth?	•	•	•	•	•	•
DIALOGUE 5	•	•	•	•	•	•



Stakeholders Dialogues	Cooperation & Communication Channels	Cooperation & Communication Technologies	Dialogue Methods	Rural Areas	Urban Areas	Gaps to be addressed in the Network Coordination Concept
AU-EU HLPD ↔ Scientists						
Women ?	•	•	•	•	•	•
Men ?	•	•	•	•	•	•
Youth?	•	•	•	•	•	•
DIALOGUE 6	•	•	•	•	•	•
XXX ↔ XXX						
Women ?	•	•	•	•	•	•
Men ?	•	•	•	•	•	•
Youth	•	•	•	•	•	•
DIALOGUE 7	•	•	•	•	•	•
XXX ↔ XXX						



Stakeholders Dialogues	Cooperation & Communication Channels	Cooperation & Communication Technologies	Dialogue Methods	Rural Areas	Urban Areas	Gaps to be addressed in the Network Coordination Concept
Women ?	•	•	•	•	•	•
Men ?	•	•	•	•	•	•
Youth	•	•	•	•	•	•
DIALOGUE 8	•	•	•	•	•	•
XXX ⇔ XXX						
Women ?	•	•	•	•	•	•
Men ?	•	•	•	•	•	•
Youth	•	•	•	•	•	•
DIALOGUE X	•	•	•	•	•	•
XXX ⇔ XXX						
Women ?	•	•	•	•	•	•
Men ?	•	•	•	•	•	•
Youth	•	•	•	•	•	•



Annex 3: Stakeholder category – more detailed example

	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
1. Local Level						
1.1 Entrepreneurs						
Local Entrepreneurs	Start-Ups		xxx	•	•	<ul style="list-style-type: none"> • Information about venture capital and communication channels to investors and funding institutions • Information and support from marketing specialists • Information on sound business planning and proposal writing • Innovation and exchange platforms
	Smallest Enterprises		Smaller enterprises are usually those that operate under the radar or informally.	• Information about urban markets for rural RE	• Information about networks in urban and rural areas.	<ul style="list-style-type: none"> • Need for information about credit • Need for information of potential business • Need for knowledge



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
			<p>Could be a one-person enterprise. Not so sure from financial range. Could be set up with only a few dollars. Example of a woman who can set up a business with a few dollars and use the profits to manage a whole household. Also distinguish between rural and urban enterprises.</p>	<p>products.</p> <ul style="list-style-type: none"> • Legal and financial information 	<ul style="list-style-type: none"> • Legal and financial information 	<p>to run such businesses</p> <ul style="list-style-type: none"> • Capacity and knowledge to form groups
Local Entrepreneurs	Small Enterprisesⁱ		<p>Could involve one or more individuals and usually with a capital ranging from a few dollars and million USD.</p> <p>Capital personnel</p>	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Need for information about credit • Need for information of potential business • Need for knowledge to run such businesses • Capacity and knowledge to form groups



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
			Level of economic impact			
Local Entrepreneurs	Medium Enterprisesⁱ			•	•	• Legal and financial information
Local Entrepreneurs	Big enterprises			•	•	•
Local Entrepreneurs	Cooperatives		Most of them are social enterprises. Not often profit making. With an overarching goal of improving their collective and individual livelihood. Cooperatives could be helpful in getting better deals for members. common benefit.	•	•	<ul style="list-style-type: none"> • Information about forming cooperatives. • Information on regulatory frameworks – subsidies, grants, participate in donor projects.



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
Local Entrepreneurs	Importers and exporters			•	•	•
Local Entrepreneurs	Consumers			•	•	•
/Local Entrepreneurs	Local transporters			•	•	•
Local Entrepreneurs	xxx			•	•	•
Local Entrepreneurs	xxx			•	•	•
Local Entrepreneurs	xxx			•	•	•
1.2 Research & Innovation (R&I) Institutions						



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
Local R&I Institutions	Research Program			•	•	<ul style="list-style-type: none"> • Regular exchange with entrepreneurs • Regular exchange with decision makers (local level) • Knowledge management infrastructure
Local R&I Institutions	Research Project			•	•	<ul style="list-style-type: none"> • Knowledge management and communication infrastructure • xxx
Local R&I Institutions	Innovation Hub			•	•	<ul style="list-style-type: none"> • Knowledge management and communication infrastructure • xxx
Local R&I Institutions	Technology Transfer Office	TTO		•	•	<ul style="list-style-type: none"> • Knowledge management and communication infrastructure • xxx
Local R&I Institutions	Extension Service			•	•	<ul style="list-style-type: none"> • Knowledge management and communication infrastructure



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
						<ul style="list-style-type: none"> • xxx
Local R&I Institutions	Innovation Center			•	•	<ul style="list-style-type: none"> • Knowledge management and communication infrastructure • xxx
Local R&I Institutions	Start-Up Service			•	•	<ul style="list-style-type: none"> • Knowledge management and communication infrastructure • xxx
Local R&I Institutions	Local Lab			•	•	<ul style="list-style-type: none"> • Knowledge management and communication infrastructure • xxx
Local R&I Institutions	Incubator			•	•	<ul style="list-style-type: none"> • Knowledge management and communication infrastructure • xxx
Local R&I Institutions	Innovation Broker			•	•	<ul style="list-style-type: none"> • Knowledge management and communication infrastructure • xxx



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
Local R&I Institutions	Network of African Science Academies	NASAC		•	•	<ul style="list-style-type: none"> • Knowledge management and communication infrastructure • xxx
Local R&I Institutions	Xxx			•	•	•
Local R&I Institutions	Xxx			•	•	•
Local R&I Institutions	Xxx			•	•	•
1.3 Non-Governmental Organisation (NGO)						
Local NGO	Xxx			•	•	•
Local NGO	Xxx			•	•	•
Local NGO	Xxx			•	•	•
1.4 Capacity Building (CB) Institution						



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
Local CB Institution	Private Research Institution			•	•	•
Local CB Institution	Public Research Institution			•	•	•
Local CB Institution	Training Center			•	•	•
Local CB Institution	School			•	•	•
Local CB Institution	xxx			•	•	•
Local CB Institution	xxx			•	•	•
Local CB Institution	xxx			•	•	•



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
1.5 Decision Makers						
Local Decision Maker	In Villages			•	•	•
Local Decision Maker	In Cities			•	•	•
Local Decision Maker	In districts or other regional entities in countries			•	•	•
Local Decision Maker	Xxx			•	•	•
Local Decision Maker	Xxx			•	•	•
Local Decision Maker	xxx			•	•	•



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
2. National Level						
2.1 Decision Makers						
National Decision Maker	National Governments			•	•	• Feedback from Researchers about key topics relevant for policy making
National Decision Maker	Ministries			•	•	•
National Decision Maker	Multilateral International Networks			•	•	•
National Decision Maker	Transnational Networks			•	•	•
National Decision Maker	R&I and capacity building programs			•	•	•



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
National Decision Maker	xxx			•	•	•
National Decision Maker	xxx			•	•	•
National Decision Maker	xxx			•	•	•
2.2 Vulnerable People						
Vulnerable people	The disabled (physical)			•	•	•
Vulnerable people	Households headed by women			•	•	•
Vulnerable people	Households where the head of the family is without or			•	•	•



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
	almost without resources					
Vulnerable people	Vulnerable people likely to be victims of Gender-Based Violence (GBV), Sexual Exploitation and Abuse and Sexual Harassment			•	•	•
Vulnerable people	People belonging to certain cultural minorities who do not have access to land			•	•	•
Vulnerable people	Widows without income and / or support			•	•	•



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
Vulnerable people	The victims and displaced or refugees of war			•	•	•
Vulnerable people	Climate refugees			•	•	•
Vulnerable people	xxx			•	•	•
Vulnerable people	xxx			•	•	•
Vulnerable people	xxx			•	•	•
3. Multi-Country Level						
3.1 Fora & Networks Africa						
Multi-Country Fora & Netw. Africa	Regional Economic Communities	RECs		•	•	•



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
Multi-Country Fora & Netw. Africa	Economic Community of West African States	ECOWAS		•	•	•
Multi-Country Fora & Netw. Africa	East African Community	EAC		•	•	•
Multi-Country Fora & Netw. Africa	Southern African Development Community	SADAC		•	•	•
Multi-Country Fora & Netw. Africa	Other RECs?			•	•	•
Multi-Country	Financial			•	•	•



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
Fora & Netw. Africa	institutions (BIDC, BAD, BADEA, commercial and development banks)					
Multi-Country Fora & Netw. Africa	Insurance systems and mechanisms / risk management (ARC, IFC, other)			•	•	•
Multi-Country Fora & Netw. Africa				•	•	•



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
Multi-Country Fora & Netw. Africa	Central Laboratory of Food Safety Control (LCSSA)			•	•	•
Multi-Country Fora & Netw. Africa	xxx			•	•	•
Multi-Country Fora & Netw. Africa	xxx			•	•	•
Multi-Country Fora & Netw. Africa	xxx			•	•	•
3.2 For a & Networks Europe						



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
Multi-Country Fora & Netw. Europe	Xxx			•	•	•
Multi-Country Fora & Netw. Europe	Xxx			•	•	•
Multi-Country Fora & Netw. Europe	xxx			•	•	•
4. (Bi) Continental Programmes, Projects, Institutions & Networks						
(Bi-) Continental	African Union	AU		•	•	•



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
(Bi-) Continental	African Union Commission	AUC		•	•	•
(Bi-) Continental	European Union	EU		•	•	•
(Bi-) Continental	European Commission	EC		•	•	•
(Bi-) Continental	AU-EU High-Level Policy Dialogue	AU-EU HLPD		•	•	•
(Bi-) Continental	AU-EU HLPD Working Group CCSE	AU-EU HLPD WG Climate Change and Sustainable Energies		•	•	•
(Bi-) Continental	AU-EU HLPD Working Group Innovation	AU-EU HLPD WG Innovation	RE is closely linked to the issues of the WG on Innovation	•	•	•



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
(Bi-) Continental	AU-EU HLPD Working Group Food and Nutrition Security and Sustainable Agriculture	AU-EU HLPD WG FNSSA	RE is closely linked to the issues of the WG on FNSSA	•	•	•
(Bi-) Continental	AU-EU HLPD Senior Official Meetings	AU-EU HLPD SOM		•	•	•
(Bi-) Continental	AU-EU HLPD Bureau			•	•	•
(Bi-) Continental	AU-EU Summits			•	•	•
(Bi-) Continental	Long-term EU-Africa research and innovation Partnership on Renewable Energies	LEAP-RE	RIA	•	•	•



	Stakeholder Category	Abbreviation	Explanation / Definition / Comments/Questions	Rural Area	Urban Area	Assumed specific cooperation & communications needs
(Bi-) Continental	Long-term EU-AU Research and Innovation Partnership for Food and Nutrition Security and Sustainable Agriculture	LEAP4FNSSA	CSA; FNSSA is closely linked to energy issues	•	•	•
(Bi-) Continental	Media			•	•	•
(Bi-) Continental	Xxx			•	•	•
(Bi-) Continental	Xxx			•	•	•
(Bi-) Continental	xxx			•	•	•

