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State of Foundation

Transition to RES4Africa Foundation

On 7th June, during the General Assembly, RES4Med&Africa officially transitioned from Association to RES4Africa Foundation, following the legal endorsement by our members during the second General Assembly meeting of 2019.

This institutional change aimed at consolidating RES4Africa's profile by enhancing its credibility through ameliorated representation, accreditation and internationalization and easing-up cooperation through strengthened training and capacity building.

The Foundation has been officially registered on the 22nd July. The new legal status foresees a review of its membership categories, including a new section of Founding Members, represented by Enel Green Power, PwC, Siemens Gamesa, Terna and Intesa San Paolo.

Foundation By-Laws is available here

Foundation Rules of Operation is available here
Membership dynamics

**Supporter Member**
Prysmian Group is at the forefront of growth and innovation in the supply of cables to the energy and telecom sectors, ultimately delivering sustainable growth and profit. Spanning 50 countries centres, 112 plants, 24 research and innovation centres.

**Supporter Member**
Soltec is a leading manufacturer and supplier of self-powered and single-axis solar tracker, independent row tracker, bifacial tracker and thin film module trackers. The company has manufacturing facilities in Argentina, Brazil, China, and Spain, as well as offices in Australia, Chile, Denmark, Egypt, India, Israel, Italy, Mexico, Peru, and the United States.

**renewAfrica Partner**
EDP Renewables is a global leader in the renewable energy sector and the world’s fourth-largest wind energy producer. With a sound development pipeline, first class assets, and market-leading operating capacity, EDPR has undergone exceptional development in recent years and is currently present in 14 markets (Belgium, Brazil, Canada, France, Greece, Italy, Mexico, Poland, Portugal, Romania, Spain, the UK, US and Colombia).

**renewAfrica Partner**
Vestas is the energy industry’s global partner on sustainable energy solutions. Vestas designs, manufactures, installs, and services wind turbines across the globe, and with more than 108 GW of wind turbines in 80 countries, we have installed more wind power than anyone else.
On 15th July, RES4Africa signed a Letter of Intent with the International Renewable Energy Agency (IRENA) in which the Foundation committed to cooperate as partners to increase the speed of renewable energy development in Africa.

The signature involved the organization's respective leadership; Francesco La Camera, Director-General of IRENA, Antonio Cammisecra, President of RES4Africa Foundation and CEO Enel Green Power, as well as Roberto Vigotti, Secretary-General of RES4Africa Foundation. As partners, RES4Africa and IRENA aim at working on public-private initiatives, knowledge creation opportunities, capacity building programmes and strategic dialogues to build an enabling environment for renewable energy in Africa in the pursuit of sustainable development and climate goals.

More details here

On 6th November, the Global Wind Energy Council (GWEC) and RES4Africa Foundation have signed a MoU to increase cooperation through joint initiatives and activities to support sustainable development for resilient economies and energy systems in Africa.

GWEC and RES4Africa share a common vision that sustainable energy development is a crucial catalyst to empower and transform African economies through local job creation and stimulating investment. Given the common interests and shared objectives of the two organisations, this MoU paves the way for cooperation on various kinds of initiatives focusing on renewable energy and climate change in Africa, and in particular on training programs (courses, seminars, summer schools), thematic publications (technical studies, analyses, reports) and outreach activities (conferences, events, workshops).

GWEC and RES4Africa have worked together on GWEC’s new Africa Wind Energy Handbook, which was published during the recent Windaba 2019 event in Cape Town. The Handbook presents policy makers with a step by step guide to building dynamic and sustainable wind energy industries in their countries.

More details here
https://www.res4africa.org/2019/11/06/res4africa-gwec-mou/
Strategic outreach at international level

JANUARY
IRENA
On 10-13 January RES4MED&Africa were in Abu Dhabi for the 9th session of the IRENA Assembly. In this framework the Coalition for Action Steering Committee Meeting took place and the 2019 strategy of Business & Investor’s (B&I) Group work was set. RES4Med&Africa co-led a B&I Group closed-doors exchange with Algeria and Ghana ministerial delegations.

MARCH
ARE ENERGY ACCESS INVESTMENTS FORUM
On 12-14 March RES4MED&Africa participated to ARE’s Energy Access Investments Forum in Abidjan, Ivory Coast. RES4MED&Africa participated as speakers in the panel “Business models for clean energy mini-grids: creating nexi between off-grid renewable energy and productive uses of energy.”

EURELECTRIC
On 14 March, Antonio Cammisecra, RES4Med&Africa President and CEO of Enel Green Power, led the first presentation of the renewAfrica programme to an audience of Eurelectric members. Gathering around 30 members of European energy industry members, the meeting took place back-to-back with Eurelectric’s Board of Directors meeting and was opened by Francesco Starace, Eurelectric President and CEO of Enel. The purpose of the meeting was to introduce and socialize renewAfrica as a new initiative to European energy industry members as a first step in the engagement strategy for European partners. A dynamic Q&A session with the meeting attendants revealed solid interest in taking the programme going forward, and a roadmap for the coming months is under definition for further engagement of partners, European industry, IFIs, and EU representatives.

APRIL
GWEC AFRICA TASK FORCE
On 2-4 April an Africa Task Force was set up by the Global Wind Energy Council (GWEC) - with the support of RES4Africa - during the WindEurope Conference, held in Bilbao. The new Task Force was established to bring together leading developers, investors and manufacturers, alongside technical experts and intergovernmental organizations. The task force meets regularly in order to support the clean energy transition of African countries.

JANUARY
UN CLIMATE ACTION SUMMIT
RES4Africa participated in the 2019 United Nations Climate Action Summit, held in the context of the UN’s General Assembly. The Climate Summit includes a series of sustainable development and SDG-focused conferences and events that represented an ideal occasion to showcase strategic initiatives at global level, meet with key partners and scout new partnerships, and position our Foundation within the UN community. In addition to this, RES4Africa held a conference on the Water-Energy-Food Nexus at the Italian Academy of Columbia University, where we will present our 2019 flagship presentation “Africa’s Future Counts”.

MARCH
IREC
RES4Africa participated at the 8th edition of the International Renewable Energy Conference (IREC) in Seoul, Korea. Organized by REN21, this biennial high-level conference provides a forum for policy and decision makers to discuss on renewable energy national and regional developments. The event provided the occasion to reinforce existing partnerships and explore new ones and to propose Italy as hosting country of IREC 2021.

OCTOBER
AREI
RES4Africa’s Secretary General Roberto Vigotti took part of “Advancing access to clean energy in Africa”, an event co-organized by AREI, the OECD Development Centre and the European Union that aimed to provide an overview on the current state of renewables in Africa and discuss the way forward. RES4Africa stressed the importance of multi-level partnerships in driving progress on renewables at bigger scale and at faster speed in Africa, and the need for new financial instruments, such as renewAfrica, to support investments and therefore unlock Africa’s renewable energy potential.
Zambia Grid Integration Study Kick-Off Meeting

On 14 February the Kick-off meeting of the "Grid Integration Study for Variable Renewable Energies in the National Electric Network of Zambia", led by RES4Med&Africa and Enel Foundation with the technical expertise of CESI, took place in Lusaka.

The study, which assesses the optimal technical-economic amount of variable renewable energy sources that can be integrated into the grid while ensuring network stability, has been carried out in close collaboration with Zambian stakeholders.

Engagement Mission to Ghana

Between 9th and 12th April, the RES4Africa team held its first stakeholders' engagement mission to Ghana. During the very fruitful week, we met the most important stakeholders of the energy sector, including the Minister of Energy, the CEO of the TSO and the Managing Director of the public utility ESG. Being the second largest economy in West Africa after Nigeria, Ghana is a politically and socially stable country. Despite its high rate of corruption, Ghana is characterized by a favorable climate for investment.

Due to past energy policies, electricity tariffs are extremely high, limiting development and reducing the demand for energy. Advisory activities would be appropriate to push the government to revise its energy policies and include more solar and wind in the energy mix, in order to reduce the cost of electricity and promote local industry, thus increasing the energy demand.

Engagement Mission to South Africa

On 11-13 November, RES4Africa held a stakeholders' engagement mission to South Africa, aimed at fine-tuning the South Africa Program, before official launch. In particular, we met Eskom, NERSA (regulatory body), IPPO (Independent Power Producers Office) and the National Research Centre CSIR.

All stakeholders welcome RES4Africa Foundation proposals. In particular, NERSA requested to sign a Letter of Intent focused on the review of the South African regulatory framework and on Capacity Building, while IPPO and Eskom requested RES4Africa Foundation to bring international best practices in the country.

The kick-off meeting of the Just Energy Transition study took place on 13 November with CSIR, ERM, Eskom, IPPO and NERSA.
Business-to-Government events

RES4Med&Africa B2G Workshop in Ethiopia

On 7 March, following the two-day executive training, we held the "Accelerating the renewable energy transition in Ethiopia" business-to-government workshop.

100 people from the private sector, government, international organizations and IFIs discussed the most effective strategies to integrate variable renewable energy into the national electric system, attracting investments and fully exploiting the socio-economic benefits of renewables in Ethiopia. During the event the results of the study "Integration of Variable Renewable Energy in the National Electric System of Ethiopia", carried out by RES4Africa and Enel Foundation in cooperation with Ethiopian Electric Power and with the technical expertise of CESI, were presented.

More details here
https://www.res4africa.org/2019-b2g-ethiopia/

RES4Med&Africa Conference in South Africa

On 11 March RES4Africa took to South Africa for the first time, hosting our "Innovation and sustainability as key boosters for new business opportunities in renewables" workshop.

The event saw the participation of over 100 people who discussed and aligned on most effective strategies to multiply and scale up renewable energy investments. During the event, nine start-ups operating in the RE sector with a special focus on sustainability pitched their businesses and innovative ideas to investors and venture capitalists.

More details here

RES4Med&Africa B2G Workshop in Jordan

On 20 March RES4Med&Africa organized the "Accelerating the Renewable Energy Transition in Jordan" workshop. On the one hand, the discussion focused on long-term energy strategies, investigating the opportunities presented by the electrification of final consumptions as well as plans to improve the grid infrastructure to secure flexibility and a smooth integration of RE. On the other, the conference privileged a discussion on the socio-economic benefits of renewable energy in terms of job creation and local content. To support the event’s discussion, the new Position Paper "Scaling-Up Renewable Energy Development in Jordan", carried out by RES4Med in collaboration with EDAMA and Pöyry, was released.

More details here
RES4Africa with the support Rina consulting, has issued the pre-feasibility study for the electrification of an irrigation project in the Amara region Ethiopia.

The project impacts 40,000 habitants and include also a smart extension to provide electricity to 6 villages for the basic and common needs.

The project was presented by RES4Africa to the Direction General for Cooperation and Developments of Italian foreign affairs that confirmed its interest to support the initiative.

RES4Africa, with the support of FRIEM spin off Nexus-energy, has issued a conceptual design for the electrification of two pastoral cooperative in the Afar region of Ethiopia that are part of a wider projects lead by AICS.
On 16 May, RES4Africa held a session at EXCO2019, the expo was dedicated to innovative solutions provided by development cooperation actors. RES4Africa took part in the agenda and its session was comprised of two discussion panels: in the first, our speakers and discussants stressed the need for a new financing instrument to de-risk and support renewable energy investments in Africa. In the second, we explored how new business models based on the water-energy-food-nexus approach can play a key role in achieving sustainable development, with a significant role played by renewable energy solutions.


On 4th June, RES4Africa launched the renewAfrica Initiative to promote the creation of a European program to support renewable energy investments in Africa. The initiative reflects the need for strong joint public-private effort and brings together sector-wide and multi-stakeholder leadership to lay the foundation for Africa’s sustainable energy transition.

High-level representatives from the European Commission, Italian government, international organizations, renewable energy industry, European financing institutions, academia and think-tanks as well as other partners gathered in Rome to endorse and kick-off the initiative. More than 20 organizations signed a Declaration of Intent to commit their interest and participation to driving renewAfrica forward.

More details here: [https://www.res4africa.org/2019/06/04/renewafrica-initiative-launch-event/](https://www.res4africa.org/2019/06/04/renewafrica-initiative-launch-event/)
On 19th June, RES4Africa Foundation held its seventh Annual Conference in Addis Ababa (Ethiopia), for the first time on the African continent. The event, titled “Overcoming Africa’s Energy Access Gap: Strategic Priorities for Scaling Up Renewables” and sponsored by Enel Green Power, Bonelli Erede and Terna, was graced by the high level presence of speakers from IRENA, FAO and African Ministries among others.

Three topics were mainly addressed, one for each session:
- Africa’s Future Counts: Renewables, Energy Access and the WEF Nexus in Africa
- Reaching Universal Access to Energy by 2030 – An African Agenda for Action
- renewAfrica: A New Financing Scheme to Accelerate RE Investments in Africa

The Annual Conference in Africa offered a unique opportunity to consolidate and expand RES4Africa Foundation’s well-established dialogue with key public and private sector stakeholders, multilateral institutions and civil society organizations working on accelerating access to clean energy as a foundation for inclusive, sustainable development in Africa.

More details here
https://www.res4africa.org/2019/06/19/res4africaac19-renewable-energy-leaders-define-priorities-for-action-to-overcome-africas-energy-access-gaps/

On 7th November, RES4Africa held a session untitled “The internationalisation of the Italian renewable industry in promoting investment in Africa” to present prospects and investment opportunities in Africa for private companies operating in the renewable energy sector. The main topics addressed at KeyEnergy are the themes of the Water-Energy-Food Nexus and renewAfrica.

Key Energy is a comprehensive event on renewables which will take place in Rimini from 5th to 8th November 2019. The 2019 conference programme focussed on technological innovations, financial models and organisational solutions that will help Italy reach the 2030 European targets.

More details here
https://www.res4africa.org/2019/11/08/6567/

On 15th July, RES4Africa Foundation and the Africa Centre for Climate and Sustainable Development (ACSD) jointly organised a special event “Africa’s Future Counts: Renewables and the Water-Energy-Food Nexus” at the ACSD headquarters in Rome. The event included the presentation of RES4Africa Foundation’s initiatives on the Water-Energy-Food Nexus, namely:

- The pitch of our flagship publication “Africa’s Future Counts”, developed in collaboration with Enel Foundation, previously launched during our Annual Conference in Addis Ababa on 19 June to an African audience;

- The presentation of the study “Applying the water-energy-food nexus approach to catalyse transformational change in Africa”, carried out in collaboration with Open Economics, on the CEFA Onlus WEF Nexus project in Tanzania, which reveals that integrated projects have potentially higher economic impact on local communities compared to single-service projects;

- A discussion on our ideas on how to put WEF nexus projects into practice in a replicable and scalable way, which include the implementation of pilot projects in the upcoming month.

More details here
The 6th edition of RES4Africa Foundation’s Advanced Training Course, organized in partnership with Enel Foundation and in cooperation with MIP and SDA Bocconi, has been held from November 18th to 29th in Milan.

The course provided 60 participants with a set of advanced knowledge and tools to assess and deploy solutions in different energy contexts for an efficient and effective integration of renewables in emerging African electricity markets. The course was open to young and highly-achieving professionals that aim to play their part in shaping the future of energy systems in Africa.

The class was made up of 40 middle managers coming from public institutions, utilities and regulatory agency from Africa, 10 PhD students from both Bocconi University and MIP and 10 people from our members (CDP, GSE, EGP, WindKinetic, BFP). This year the ATC received more than 350 applications for the 40 available places for African people. The number of application is more than double compared to the previous years proving the effectiveness of the training programme and the impressive interest of our African stakeholders to attend the ATC and in general capacity building activities.

The programme have been tailored on the specific needs of the participants. Mixing one week of technical lessons, provided by MIP with the contribution of our members: CESI, Terna, Bfp, ERM, GSE, Poyry (AFRY), and one week of economics and financial lectures taught by SDA Bocconi professors with the contribution of our members and partners such as PWC, Bonelli Erede, EGP, Intesa San Paolo, UNECA and IEA.

During the second week of the ATC the participants had the chance to meet our President Antonio Cammisecra that provided them with an inspirational speech and some insights about their role of future African innovators and leaders.

More details here

Ethiopia Executive Training

On 5-6 March RES4Africa held the executive training "International benchmark for auction programs and project finance in the renewable energy sector" in Addis Ababa. Focused on an international benchmark for auction programs and project finance in the renewable energy sector, the two-days training shed light on the crucial steps for the preparation of international tenders, including document procedures and offer evaluations.

More details here
https://www.res4africa.org/2019-ethiopia-training/
Micro-Grid Academy participants awarded with GCSP-NAE

After 10 years and following 65 other prestigious US universities, the GCSP-NAE award (Grand Challenges Scholars Program, U.S. National Academy of Engineering - Washington) was recognised to eight Sapienza University students who participated to our Micro-Grid Academy. Every year the GCSP rewards students who are committed to obtaining technical-creative, managerial, multidisciplinary, multicultural and social skills. The eight Sapienza University students were rewarded for their commitment and consistency demonstrated during their experience in Africa, for assessing problems and proposing technological solutions, and for the positive relationship they established with their African counterparts and the local communities. The students received their award on 15th May in Rome at EXCO19.

Micro-Grid Academy joined Mini-Grids Partnership

In October, RES4Africa’s Micro-Grid Academy was invited to join the Mini-Grids Partnership led by SEforALL, a consortium of over 320 organizations from both the public and private sector that aims to create a thriving global mini-grids sector to help achieve SDG7.

RES4Africa and Micro-Grid Academy presented at ICREN 2019

On 24th and 25th April RES4Africa and our Micro-Grid Academy were presented at the UNESCO headquarters in Paris at the annual International Conference of Renewable Energy - ICREN 2019, together with partner universities of the Mini-Grid Business Model Study.

Fifth Micro-Grid Academy session

The fifth session of the Micro-Grid Academy took place between 15-24 January. More than 50 participants received training on operation and maintenance of renewable systems, as well as remote control of the plants and data analysis. The course alternated theoretical lectures, hands-on learning in labs, and field visits to mini-grid powered villages Talek and Kitonyoni and to a Schneider plant.

More details here

Sixth Micro-Grid Academy session

On 6-10 May the sixth session of our Micro-Grid Academy was held at Strathmore University in Nairobi, Kenya. For five intense and successful days, 50 participants received training on the role of the mini-grids’ value in the rural electrification process, with a particular focus on the water-energy-food nexus.

More details here
https://www.res4africa.org/2019/05/06/the-sixth-session-of-the-micro-grid-academy-kicks-off-in-nairobi/

Seventh Micro-Grid Academy session

The seventh training of the Micro-Grid Academy took place in Addis Ababa on 17-22 June. Usually based in Nairobi, Kenya, the MGA held its first Ethiopian On-Tour session in partnership with Enel Foundation, the Ethiopian Ministry of Women, Children and Youth, UN Environment (UNEP), Addis Ababa Institute of Technology (AAITT), African Women Energy Entrepreneurs Framework (AWEF), Ethiopian Electric Utility (EEU), 55 participants coming from all over the country were given a comprehensive insight on all the phases of renewable energy projects and the Nexus approach thanks to the contributions given by RES4Africa members. Furthermore, the training activities included a site visit to the mini-grid of St. Luke hospital in Wolisso and the participation to the RES4Africa’s Annual Conference.

Eight Micro-Grid Academy session

The Micro-Grid Academy held its 8th training course from 25 to 29 November in Ethiopia. The training targets RES4Africa’s international stakeholders such as AICS that is currently developing agrifood projects in Ethiopia, and aims to present sustainable technical solutions based on renewable energy to address their energy needs. RES4Africa members Enel Green Power, RINA, FRIEM, ERM and Sapienza University will train the participants through in-class lectures and a site visit to the minigrid at the St. Luke Hospital in Wolisso, for a unique hands-on experience.
COMMUNICATIONS

RES4Africa’s communication strategy aims to support and complement the Foundation’s mission, work stream activities and overall strategic positioning. The communication team organizes its work in continuous communication (news based) and dedicated campaigns (based on an ex-ante, during and ex-post strategy, and divided in light, medium and all-in campaigns).

Great importance was given to the Foundation’s website: this year, 95 new webpages/posts were created, resulting in 90,000+ visitors and 395,000+ visits.

The communication team continued its effort for a sound positioning on social media. 100 posts for each social media platform were published, resulting in:

- **Facebook**: from 250 to 800+ likes à 550+ new followers, 220% increase
- **Twitter**: from 700 to 1000+ followers à 300 new followers, 42% increase
- **LinkedIn**: from 2100 to 3500 followers à 1400 new followers, 66% increase

RES4Africa used its monthly Members’ Brief to update members on the Foundation’s activities and highlight potential opportunities; 11 Members’ Briefs were sent out to 350 subscribers. To update its wider network, a newsletter has been sent out quarterly to 3200 subscribers.

To highlight the main Foundation activities, 12 press releases were sent to the press. Of these, 8 were produced jointly with members and international partners in order to maximize visibility.

As a result of the positive relationships established with different media outlets, 18 articles written by RES4Africa were published on print and digital media outlets.

Following the transition from Association to Foundation, the communication team worked on merging the Foundation’s website (RES4Med+RES4Africa), also updating its look. Finally, the communication team produced two updated brochures, coordinated the production of a special Africa e Affari edition focusing exclusively on the Foundation’s activities, and supported the creation of renewAfrica’s website and brochure.

In the frame of the global food innovation summit organized in Milano by Seeds&Chips between 6 and May 2019, Enel Green Power, in the role of the main sponsor of the event, presented RES4Africa's water energy food video.

Available here
https://www.youtube.com/watch?v=vlbaBYBggg4&t=88s
The study “Integration of variable renewable energy into the national electric system”, carried out by RES4Africa and Enel Foundation thanks to the expertise of CESI, was released in February. The study, requested to RES4Africa by Ethiopian Electric Power, assesses how much variable renewable energy can be integrated into the grid without compromising the grid’s stability. The study was presented at the B2G workshop in Ethiopia on 7 March, and the abstract is already available for free read and download.


Ethiopia Grid Integration Study

The study “Integration of variable renewable energy into the national electric system”, carried out by RES4Africa and Enel Foundation thanks to the expertise of CESI, was released in February. The study, requested to RES4Africa by Ethiopian Electric Power, assesses how much variable renewable energy can be integrated into the grid without compromising the grid’s stability. The study was presented at the B2G workshop in Ethiopia on 7 March, and the abstract is already available for free read and download.


Flagship Publication 2019 - “Africa’s Future Counts”

RES4Africa Foundation’s second flagship publication, was presented during the 2019 Annual Conference in Addis Ababa. This publication, developed in collaboration with Enel Foundation, is the second of a series of annual features that focus on strategic perspectives and themes for Africa’s sustainable energy future. “Africa’s Future Counts” looks at the Water-Energy-Food Nexus and how it reveals opportunities to overcome Africa’s energy access gaps. The WEF Nexus offers an innovative perspective on bridging the energy access gap by considering energy as an enabler for development and by emphasising the interdependencies between water, energy and food supply systems.

With its flagship publication, RES4Africa Foundation also intended to offer its contribution to the international debate surrounding the United Nation’s Sustainable Development Goals, and in particular to SDG7 “Ensure access to affordable, reliable, sustainable and modern energy for all”, SDG2 “End hunger, achieve food security and improved nutrition and promote sustainable agriculture”, and SDG6 “Ensure availability and sustainable management of water and sanitation for all”.


What does it take to accelerate RES investments in Africa: priorities and recommendations

Launched during the 2019 Annual Conference, this publication, carried out by Pöyry and realized in collaboration with Enel Foundation, analyses the legislative and regulatory frameworks for the renewable energy sector currently in place in different African countries and investigates their efficiency in attracting private sector investments.

The assessment is guided through a matrix which targets three main regulatory dimensions:
- Market attractiveness: investigating country commitment to renewable energy development; power sector governance and market structure; investment policy and regulation.
- Market competitiveness: investigating supporting mechanisms for renewable energy in the country; direct incentives for renewable energy in place; indirect incentives.
- Market readiness: investigating main routes-to-market for renewables in the country; adequacy, operation a transparency aspects of power system.

RES4Africa aimed to use the study to provide tailored solutions for our partners to boost renewable energy sector development in Africa.


renewAfrica White Paper

In January, RES4Africa, in collaboration with its members, released the new white paper “Renew Africa”. “RenewAfrica” is a new initiative led by RES4Med&Africa to reach sound conclusions about the need for a new instrument supporting large scale RE plant development in Africa, providing the investors with a “one-stop shop” instrument for financing, and the governments with a structured tool to support the policy and the regulatory framework for the country.


renewAfrica White Paper

Ethiopia Grid Integration Study

Flagship Publication 2019 - “Africa’s Future Counts”

What does it take to accelerate RES investments in Africa: priorities and recommendations

Scaling-up renewable energy development in Jordan

To support the business-to-government event in Jordan we released our new “Scaling-Up Renewable Energy Development in Jordan” white paper which we carried out in collaboration with Pöyry and EDAMA. The paper focuses on the current status of the renewable energy sector, highlighting which barriers slow down Jordan’s renewable energy transition and which mechanisms would instead scale-up the deployment of RE technologies.

Jordan has done very much in the last 20 years to attract renewable energy investments, creating an enabling environment for renewable energy investments and promulgating laws that enable an effective integration of RE into the grid.

However, a country with such a great potential like Jordan and with such a positive track record has what it takes for doing more. Barriers such as a lack of a comprehensive and timely energy strategies that go beyond 2025 targets, concerns about the grid’s stability and its flexibility to integrate higher renewable capacity, and unexpected changes in the regulatory framework have slowed down Jordan’s growth in RE.


Applying the water-energy-food nexus approach to catalyse transformational change in Africa

RES4Africa Foundation released “Applying the water-energy-food nexus approach to catalyse transformational change in Africa”, carried out in collaboration with OpenEconomics, with the technical support of FSAMGO International Research Groups, conducted a study on CEFA Onlus’ Ikondo-Matembwe project where the Water-Energy-Food Nexus approach has been applied. The study focuses in particular on the transformational and catalyzing effects on Africa’s energy transition, addressing on the one hand the key elements of the project’s success, and on the other its transformative impact.

First, the study quantifies and evaluates what positive development impact a RE-based WEF Nexus project. At the micro-economic level, the WEF Nexus acts as a multiplier effect and key enabler for socio-economic development that scales up the supply of basic services such as water access and increased productivity of agriculture that are made possible through their synergic relationship with energy. Second, the analysis addresses the transformative impact that could be generated from locally based on synergic components that enable greater production and fuel development of demand through increases in incomes, employment opportunities and improvement in the quality of life.

The study concludes with a series of policy recommendations for greater applicability of the WEF Nexus in rural Africa.

The study has been endorsed by GIZ than included it their Nexus resource platform


RE-thinking Access to Energy Business Models

“RE-thinking Access to Energy Business Models”, the most recent RES4Africa Foundation’s publication, was developed with the support of Enel Foundations and released in December 2019. It was carried with the collaboration of PwC TLS, ERM, RINA, Sapienza University, EnGreen and FAO.

The study aims at exploring business models and innovative approaches, as well as understanding technical, social, regulatory and financial barriers, to foster the growth of decentralized renewable energy solutions in Africa.

The more than 20 rural electrification projects in Sub-Saharan Africa analysed in this study give a picture of a growing and innovative sector with heterogeneous experiences. The results confirm that a broader perspective including different actors and sectors in an integrated manner is able to pursue business for impact. In this sense, opportunities come when looking beyond the sole electricity supply: additional services, complementary value chains, innovative partnerships and horizontal integration can bridge the gap between viable and non-viable projects.

In this way, RES4Africa Foundation aims to contribute to the achievement of access to energy for all and ultimately, through inclusive growth and sustainable development, to the creation of a prosperous Africa.

The Study will be available on RES4Africa website