

RES4Med&Africa



2018

ANNUAL REPORT



2018

ANNUAL REPORT

2018

INDEX

Index

About RES4Med&Africa	4
2018 in Numbers	5
Preface Secretary General	7
Milestones and Key Events 2018	8
2018 by Workstream	10
2018 Reports	17
International Relations	22
Communication	24
Postface President	29
Members	30

ABOUT RES4Med&Africa

2018

WHO WE ARE:

RES4Med&Africa is an association that promotes the deployment of renewable energy solutions in Southern Mediterranean and Sub-Saharan African countries to meet local energy needs for sustainable growth. Gathering a network of members from across the sustainable energy value chain including industries, agencies, utilities, manufacturers, financing institutions, consultancies, legal and technical services providers, research institutes and academia, RES4Med&Africa functions as a connecting platform for members and partners, and as a bridge between the public and private sector for an exchange of perspectives and expertise.

OUR MISSION:

RES4Med&Africa aims to create an enabling environment for renewable energy investments in Southern-Mediterranean and Sub-Saharan African countries.

HOW WE WORK:

- ▶ Acting as a **connecting platform for dialogue and strategic partnerships** between members and partners to exchange perspectives and foster cooperation;
- ▶ Providing **technical support and market intelligence** through dedicated studies and recommendations based on members' know-how to advance sustainable energy markets;
- ▶ Leading **capacity building and training** efforts based on members' expertise to enable skills and knowledge transfer that supports long-term sustainable energy market creation.

2018 IN NUMBERS

- > **34** members
- > **2** new ordinary members
- > **30+** network partners
- > **3** new MoUs
- > **1** annual conference, **1** country program launch
- > **1250** overall attendance to events

- > **35+** engagement missions
- > **2** general assemblies
- > **4** strategic and executive committee meetings
- > **2** B2Gs
- > **11** new publications
- > First flagship publication and Open Africa photographic book launched
- > Launch of financing facility "RenewAfrica"

- > **10** training sessions organised across **7** countries, more than **570** people trained
- > **5th** ATC training attended by **40** participants from **11** countries
- > Micro-Grid Academy launched, **4** training sessions, **150** participants
- > Governance review launched
- > New communications strategy implemented



A LOOK AT WHAT
HAPPENED IN
2018

PREFACE SECRETARY GENERAL



2018 was another great year for RES4Med&Africa. Even though we have always worked in different countries, last year we really felt that our association has been projected on an international level. Looking back, the highlights were many.

Holding up to our habits after Kenya in 2016 and Ethiopia in 2017, we launched the RES4Africa program in yet another Sub-Saharan African country: this year we took to Zambia, where our event gathered more than 200 people to assess progress made, foster further dialogue and discuss best practices for effective renewable energy deployment in the country.

Our team hosted more than ten training sessions across seven countries and conducted two high-level Business-to-Government workshops. We also hosted, in collaboration with the Italian Ministry of Foreign Affairs and International Cooperation, the 14th Special Session of IEA's RIAB, dedicated to Africa's renewable energy transition, which I have the honour to coordinate.

In addition to publishing reports and studies on a wide range of topics such as projects finance in Egypt, auction design in Algeria, job creation from renewables in Tunisia, position papers on Zambia's renewable energy market development, and many more, we also launched our association's first flagship publication "Unlocking Value from Sustainable Renewable Energy" and our photographic book "Open Africa".

2018 was very important for our capacity building and training activities too: in addition to hosting several well established executive seminars and the sixth edition of the Advanced Training Course in Milan, we launched the Micro-Grid Academy in Kenya to help enhance access to energy in rural communities.

Numbers are looking good too: more than 1200 people have attended our events and 600 participants assisted to our numerous training sessions; we also welcomed two new members in our association. So we're satisfied of 2018 and look forward to next year's activities, some of which our President will anticipate at the end of this booklet.

Roberto Vigotti
Secretary General, RES4Med&Africa

MILESTONES AND KEY EVENTS 2018

JANUARY



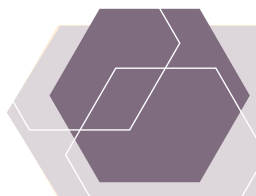
- RES-EXPO Conference: "Renewable energy in East-Africa: new frontiers", Nairobi
- Publication of "Paving the way to unlock East-Africa's renewable energy potential" position papers
- Micro-Grid Academy pilot course, Nairobi

MARCH



- RES4Med&Africa co-host of 4th ARE Energy Access Investment Forum: "Integrating remote communities into economies", Catania
- Publication of "Auction study: Tunisian case study" report
- Publication of "Job creation from RE in Tunisia" (FR) report

MAY



- Kenyan Senate Energy Commission delegation visit to Italy
- Executive Seminar: "The role of RE: opportunities for global growth and investments in emerging economies", Rome

JULY



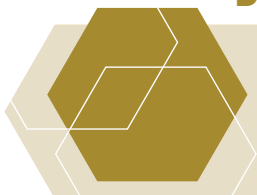
- Launch of Governance review strategy "Strategie a prova di futuro"
- Intesa San Paolo joins RES4Med&Africa as Ordinary Member
- Executive Seminar: "Guidelines for successful auction programs: what does it take?", Nairobi
- Publication of "Where to invest in renewables in Sub-Saharan Africa" white paper
- Micro-Grid Academy Design Thinking Workshop, Nairobi

OCTOBER



- Organiser of RES4Africa session at Italy-Africa Business Week, Rome
- RES4Med&Africa co-hosts IEA RIAB conference "Africa's renewable energy transition: what does it take?", Rome
- Launch of the "RenewAfrica Financing Facility"
- B2G high-level workshop: "Accelerating the renewable energy transition in Morocco", Rabat
- Signing of MoU with UNECA and letter of intent with African Union Commission

DECEMBER



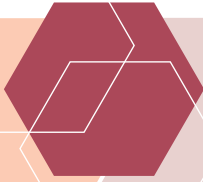
- B2G high-level workshop: "Accelerating the development of renewables in Egypt", Cairo
- Publication of "Project finance for renewable energy systems: Egypt case study" report
- Signing of MoU with UN Environment

FEBRUARY



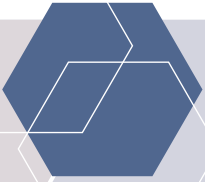
- Executive Training: "Policy responses to climate change: sustainable development and energy transition", Addis Ababa
- RES4Med&Africa joins the United Nations Global Compact
- SiemensGamesa joins RES4Med&Africa as Ordinary Member

APRIL



- "Sonelgaz Executive Seminar", Algiers
- Publication of "Auction study: Algerian case study" report
- Micro-Grid Academy session with UN Environment, Nairobi

JUNE



- 6th RES4Med&Africa Annual Conference: "A call for Africa: enabling sustainable projects", Rome
- Launch of Open Africa photobook and RES4Med&Africa Flagship Publication
- Publication of "Morocco Country Profile" report
- Publication of "Accelerating the development of renewables on the MV Market in Morocco" report
- Executive Seminar high-level workshop: "Renewables and infrastructure for the clean energy transition of Tunisia", Tunis

SEPTEMBER



- Executive Seminar: "Workshop on non-dispatchable renewable energies integration into the grid", Lusaka
- Organizer of RES4Africa session "Perspectives on wind energy in Africa" at Global Wind Summit, Hamburg

NOVEMBER



- Organizer of session at KeyEnergy, Rimini
- RES4Africa Country Program Launch: "Enhancing the Renewable Energy Transition in Zambia", Lusaka
- 5th Advanced Training Course: "Deployment of renewable energy solutions: challenges and opportunities", Milan
- Co-organizer of session at Assolombarda, Milan
- Micro-Grid Academy on-tour session, Lusaka



1. DIALOGUE AND STRATEGIC PARTNERSHIPS:

RES4Med&Africa hosted a great number of events and organized many activities to foster dialogue and strategic partnerships between members and partners to exchange perspectives and foster cooperation. In 2018 RES4Med&Africa also introduced the business-to-government (B2Gs) workshop format in order to enable a straightforward discussion between the private sector and public decisionmakers.

"A call for Africa: enabling sustainable projects": 6th RES4Med&Africa Annual Conference Rome, 22 June

The 2018 Annual Conference, "A call for Africa: enabling sustainable projects", was dedicated to the sustainability and bankability of renewable energy projects, and focused on how sustainable renewable energy projects can create real value for Africa's sustainable development and growth. Offering an ideal framework to display the shared interest of public and private sector to accelerate access to sustainable, efficient and secure energy supply in Africa, it gathered more than 200 participants and over 30 speakers from key institutional and international organizations as well as private sector companies and international financing institutions.

"Enhancing non programmable renewable energy transition in Zambia": RES4Africa Program Launch Lusaka, 27-28 November

The RES4Africa Program Launch 2018 in Zambia was a milestone regional event that shed light on key topics for renewable energy deployment such as policy mechanisms to enhance sustainable and bankable projects, technical issues both on and off the grid, capacity building and socio-economic benefits to local economies. The B2B sessions, that took place in parallel to the conference, provided the opportunity for local and international companies to connect and foster new business opportunities and partnership with RES4Med&Africa's members.

"Africa's renewable energy transition: what does it take?": IEA RIAB special session Rome, 24 October

On 24 October 2018, the IEA RIAB gathered its members and external observers in Rome for a special one-day high-level workshop focusing on necessary strategies and measures to accelerate renewable energy deployment in the African continent. The event aimed at having an open discussion between public and private sector leaders on the key issues to accelerating Africa's sustainable energy transition. The session provided an ideal forum for high-level exchange by bringing together RIAB members, observers from the renewable industry sector, selected African stakeholders, and financial institutions. The event included the signature of the memorandum for a "Renewable Energy Capacity Building Program" by the African Union, the Italian Ministry of Foreign Affairs and International Cooperation, and RES4Africa, as well as the announcement of the RenewAfrica Financing Facility by RES4Africa.



IEA RIAB Special Session, 24 October, Rome



2018

BY WORKSTREAM

> **Renewable energy in East-Africa: new frontiers": RES-Expo Kenya**

Nairobi, 23-24 January

Organized with the Africa-EU Energy Partnership (AEEP) and counting 350 participants and 60 speakers, the event aimed at assessing progress made, foster further dialogue and discuss best practices for effective renewable energy deployment in the East-African region.

> **Joining of the United Nations Global Compact**

9 February

Official joining of the United Nations Global Compact, the world largest corporate responsibility initiative with nearly 12,000 business and non-business participants in 140 countries, which aims to mobilize a global movement of sustainable companies and stakeholders.

> **"Integrating remote communities into economies": 4th ARE Energy Access Investment Forum**

Catania, 13-15 March

The ARE Energy Access Investment conference, organized in partnership with RES4Med&Africa and the Africa-EU Renewable Energy Cooperation Programme (RECP), gathered over 200 participants, and provided participants with a comprehensive view of the clean-energy sector policy framework and key industry trends to foster the integration of remote communities into emerging economies around the world.

RES4Africa Program Launch in Zambia, 27-28 November, Lusaka



> Kenyan Senate Energy Commission delegation visit to Italy

Milan, Rome, Catania, 13-22 May

Visit of a delegation of the Kenyan Senate Energy Commission to the Italian excellence in the renewable energy sector, from Politecnico di Milano and CESI laboratories to Enel Green Power 3Sun Solar Power Factory and Terna dispatching centre.

> "Accelerating the renewable energy transition in Morocco": business-to-government high level workshop

Rabat, 30 October

A high-level business-to-government (B2G) workshop focused on the opportunities and challenges to drive an effective clean energy transition and boost the renewables energy investment in Morocco, attended by 70 people.

> "Accelerating the development of renewables in Egypt": business-to-government high level workshop

Cairo, 4 December

A high-level business-to-government (B2G) workshop focused on project finance risk mitigation as a way to secure and boost investments in renewables and push towards a clean energy transition, attended by 60 people.

RES4Med&Africa Annual Conference, 22 June, Rome





2018

BY WORKSTREAM

2. TECHNICAL SUPPORT AND MARKET INTELLIGENCE

In 2018 RES4Med&Africa launched a number of new reports on a variety of topics to provide technical support and market intelligence through dedicated studies and recommendations based on members' know-how to advance sustainable energy markets.

> Paving the way to unlock Eastern Africa's renewable energy potential, January 2018

A collection of position papers that shed light on the most important issues involved in the facilitation of Africa's sustainable development, from financial risks to opportunities, from technological innovations to capacity building.

> Job creation from RE in Tunisia, March 2018

A study on the creation of jobs and the development of local employment, in the Tunisian renewable energy sector.

> Auction study: Tunisian case study, March 2018

A study on the mechanisms and main factors of a RES auction in Tunisia, also available in French.

> Auction study: Algerian case study, April 2018

A study on the mechanisms and main factors of a RES auction in Algeria, also available in French.

> Accelerating the development of renewables on the MV market in Morocco, June 2018

A study serving as basis of their suggested roadmap for the effective liberalization of the renewable energy sector in Morocco.

> Country Profile Morocco 2018, June 2018

A country profile that aims to show how Morocco managed to attract the attention of the renewable energy world, demonstrating how the government's legislative and institutional efforts are changing the structure of the power sector in the country.

> Where to invest in renewables in Sub-Saharan Africa, July 2018

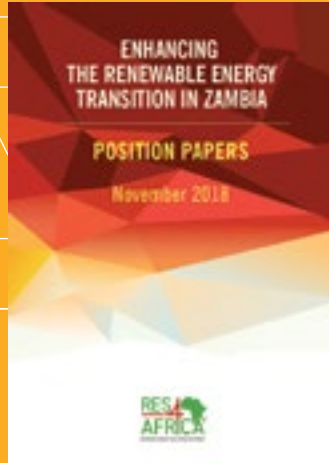
A market analysis of the 49 Sub-Saharan African countries (SSA), to assess each country's proficiency in attracting renewables energy investments, especially for wind power and solar PV.

> "Enhancing the renewable energy transition in Zambia" November 2018

A collection of position papers that support the agenda topics of the Country Launch in Zambia with concrete recommendations for the way forward.

> "Project finance for renewable energy systems: Egypt case study" December 2018

An analysis of the main investment barriers for renewable energy projects in Egypt and risk mitigation recommendations





PROJECT FINANCE FOR RENEWABLE ENERGY SYSTEMS

Egypt case study
Risk Analysis and mitigation measures in the existing policy and regulatory framework

November 2018

**RESA
MEDI**
RENEWABLE ENERGY SYSTEMS
FOR THE MEDITERRANEAN



AUCTION STUDY

Algerian case study
Mechanism and main factors of a RES auction

April 2018

**RESA
MEDI**
RENEWABLE ENERGY SYSTEMS
FOR THE MEDITERRANEAN

2018 REPORTS



2018 BY WORKSTREAM

3. CAPACITY BUILDING & TRAINING

RES4Med&Africa continued with its capacity building and training activities based on members' expertise to enable skills and knowledge transfer, in order to support long-term sustainable energy market creation. In addition to well-established activities, in 2018 RES4Med&Africa launched the Micro-Grid Academy.

5th Advanced Training Course: "Deployment of renewable energy solutions"

Milan, 12-23 November

The fifth edition of RES4Med&Africa's yearly training course, organised in partnership with Enel Foundation and in cooperation with Politecnico di Milano and Bocconi University, provided participants with a set of technical, economic and regulatory core competences and advanced tools to assess and deploy the most appropriate solutions in different energy contexts for an efficient and effective integration of renewables in emerging electricity markets, whilst nurturing an international network of experts. The 2018 edition was attended by 40 selected participants from 11 countries.

Micro-Grid Academy

Nairobi, January, April, July; Lusaka, November

The Micro-Grid Academy (MGA) is a regional capacity building platform that provides theoretical and practical training on energy access and decentralised renewable energy solutions to young East-African and international technicians, entrepreneurs and engineers. The project aims to enhance access to energy in rural communities fostering local enterprise and job creation, while positively impacting health and education services, female empowerment, climate change mitigation, reliable water and food production.

Launched in its pilot course in January, in April the MGA jointly organized a second course with the United Nations Environment Programme (UNEP) training, among others, 20 women selected from the African Women Energy Entrepreneurs Framework (AWEEF). Furthermore, in July it held the first "Design Thinking Workshop" and in November, as a side event of RES4Africa Program Launch in Zambia, it hosted its "Workshop on mini-grid technologies" in Lusaka, supporting the launch of University of Zambia's Solar Energy Centre. In December former MGA participants gained personal access to the e-learning platform HeliLearn implemented by LEDSAFARI.

> Executive Seminar: "Policy responses to climate change: sustainable development and energy transition"

Addis Ababa, 27 February-2 March

A 4-day training course to support Ethiopia in implementing and monitoring Intended Nationally Determined Contributions (INDCs). Organised in partnership with the Italian Ministry of Environment and the Ethiopian Ministry of Environment, Forest and Climate Change, attended by 100 federal and regional Climate Resilient Green Economy (CRGE) sector officers.

> Sonelgaz Executive Seminar

Algiers, 18-19 April

A seminar to provide participants, around 60 of Sonelgaz's engineers and middle managers, with technical and financial tools to assess the most appropriate solutions in different energy contexts for an efficient and effective integration of solar and wind energy in the electricity system.

> Executive Seminar: "The role of renewable energy: opportunities for global growth and investments in emerging economies"

Rome, 11 May

A high-level seminar to selected diplomats of the Italian Ministry of Foreign Affairs and International Cooperation (MAECI) on the importance that renewable energy sources play in Italian economic diplomacy, from the perspective of the most important operators in the sector.

> Executive Seminar: "Renewables and infrastructure for the clean energy transition of Tunisia"

Tunis, 27 June

A conference that gathered over 90 participants and 20 speakers from across the sustainable energy value chain, intended as a platform for dialogue to present the Italian excellency and best practices in the renewable energy sector in Tunisia.

> Executive Seminar: "Guidelines for successful auction programs: What does it take?"

Nairobi, 4 July

An executive seminar requested by the Ministry of Energy of Kenya to help its upper management and high-level representatives of public companies involved in the energy sector in the transition from the feed-in tariff framework to the energy auction framework.

> Executive Seminar: "Workshop on non-dispatchable renewable energies integration into the grid"

Lusaka, 5-6 September

The workshop, a preliminary event to the RES4Africa Program Launch in Zambia, trained 35 managers and technicians from ZESCO, the Ministry of Energy of Zambia and the Energy Regulatory Body (ERB).



"The ATC really favours the sharing of experiences among participants. It was the first of this kind of training that I had in my entire study and work life."

"The ATC is a well-structured program with highly competent lecturers. The knowledge I acquired from this course will definitely be beneficial to the company I work for."



Micro-Grid Academy, April, Nairobi

"There is need for electricity access in Sub-Saharan Africa, and programs like the MGA contribute to gain the knowledge and skills to achieve total access to energy."

"The MGA provides the opportunity to stay with people from different countries and different professional backgrounds, tackling the access-to-energy issue from many different point of view."

INTERNATIONAL RELATIONS

2018 in numbers

- > **30+** bilateral and international partners
- > **15** MoUs (most recent: UNEP - UNECA - AUC)
- > **10** High-level international events organized
- > Speaker at **15+** international events
- > **35** engagement missions across, **15** countries

OBJECTIVES FOR 2018

- > Institutional positioning on international strategic initiatives
- > Institutional positioning on EU-Med & EU-Africa RE cooperation
- > Initiate relations with UN and other international organizations
- > Aligning on 2018 theme: Sustainability and Bankability



International Relations Strategy

The International Relations strategy **complements and supports** RES4Med&Africa's mission and work stream activities.

RES4Med&Africa pursues two kinds of relations:

1 Bilateral Relations

Relations with stakeholders and partners in focus countries.

Added value:

- Sharp **market understanding**
- **Direct access** to local networks and stakeholders
- Instrumental to conduct **successful activities** (seminars, events, reports,...)



2 Regional & International Relations

Relations with regional and international RE organizations or cooperation processes.

Added value:

- A strong **presence** within the regional and international **RE community**
- Present **recommendations** and partake in international RE **agenda-shaping**



COMMUNICATIONS

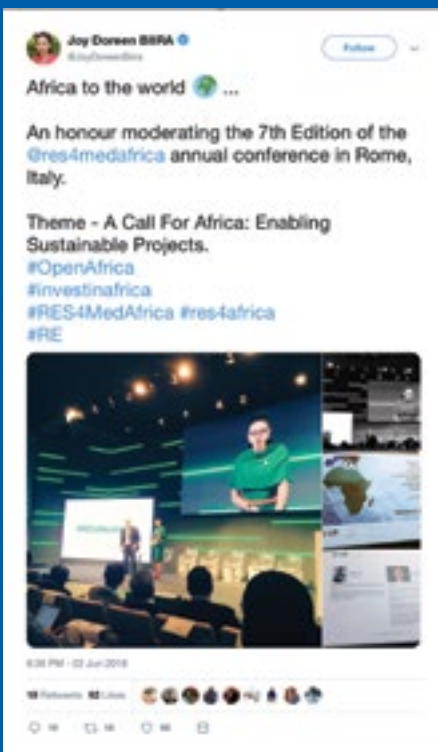
RES4Med&Africa uses a variety of communication tools to convey the right message to the appropriate audience. The association has accounts on Facebook, Twitter, LinkedIn and Instagram; every month it sends out a Members' Brief to inform its members about the secretariat's activities, upcoming events and relevant opportunities. Every three months a newsletter is sent out to a broader audience that includes network and subscribers.

OBJECTIVES FOR 2018

- > **Increase RES4Med&Africa's visibility and expand brand**
- > **Initiate effective positioning online**
- > **Streamline communication department tools and operations to deliver better quality news to members**

COMMUNICATIONS IN 2018

- > **2 websites: res4med.org (+750.000 visits) and res4africa.org (+540.000 visits)**
- > **4 main social media channels, 3.000 followers**
- > **10 members' briefs and Secretary General letters sent to 300+ subscribers**
- > **4 newsletters, sent out tri-monthly to nearly 3.000 subscribers**
- > **25+ articles by/about us**



Amani Abou-Zeid, African Union Commission:

As another demonstration of the tight cooperation, we signed today a new agreement between @_AfricanUnion and #Italy in the field of #CapacityDevelopment in #RenewableEnergy @RES4MedAfrica @au_ied #Energy @AU_KwesiQuartey @SongweVera

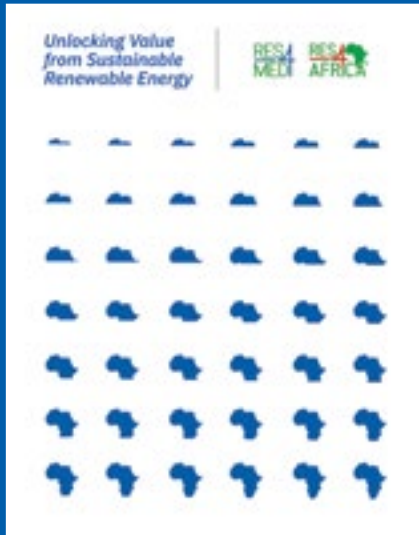
Siemens Gamesa:

Siemens Gamesa shares its rich experience in Egypt during the B2G High-Level Workshop organized today by @RES4MedAfrica, discussing key factors of risk mitigation to secure financing of renewable energy projects. #EnergyOfToday

Germaine Ashu, Cameroon:

Thank you #RES4MedAfrica for giving the #AfricanWoman a seat at this table to contribute in coining renewable energy solutions and sustainable strategies that will better her home and her community. #OpenAfricaPower #EnelFoundation @enelgreenpower @EnelGroup

COMMUNICATIONS



UNLOCKING VALUE FROM SUSTAINABLE RENEWABLE ENERGY June 2018

"Unlocking Value from Sustainable Renewable Energy", RES4Med&Africa's first flagship publication, was presented during the 2018 Annual Conference.

The publication, developed in collaboration with Enel Foundation, shows how renewable energy projects can create real value in the African context. Gathering insights from RES4Med&Africa's members and partners, it highlights challenges and offers solutions based on multiple perspectives, as the authors share their points of view.

With its flagship publication, RES4Med&Africa also intends to offer its contribution to the international debate surrounding the United Nation's 7th Sustainable Development Goal (SDG7), "Ensure access to affordable, reliable, sustainable and modern energy for all".

Open Africa, a photographic book and a web-doc, is a project developed by RES4Africa with the support of Enel Foundation and in collaboration with Akronos to visually illustrate how access to sustainable energy positively impacts African livelihoods.

Through local photographic testimonies, Open Africa highlights what happens when people suddenly gain access to energy, visually capturing what achieving progress looks like in ensuring access to affordable, reliable, sustainable and modern energy for all through the deployment of renewable energy.

Both the book and the web documentary feature contributions from external authors, ranging from RES4Africa members and partners to high-standing international institutions.

OPEN AFRICA
June 2018





A LOOK AT WHAT'S
COMING UP IN
2019

POSTFACE PRESIDENT



Dear RES4Med&Africa members, Dear Friends,

A great year has come to an end. We reached a real international dimension welcoming some remarkable multinational companies. We organized the special session of IEA RIAB dedicated to Africa in Rome, where we signed important agreements as the Memorandum of Understanding with the United Nations Economics Commission for Africa (UNECA) and the Letter of Intent with the African Union. We opened new frontiers through the conference in Zambia and new partnerships with North African stakeholders.

However, the best has yet to come: we are planning to make 2019 even more exciting, working hard on some topics that I would like to disclose right here.

The water-energy-food nexus will be the focus of our next year's activities. Water, energy and food are essential for human well-being, poverty reduction and sustainable development: we need to implement a holistic strategy to support local development. We have a wide range of activities planned on the nexus to turn into strategic pilot projects.

In the past few months, we laid the ground works for "Renew Africa", a new European financing instrument supporting large-scale renewable plants development in Africa. The aim of this new framework is the mitigation of risks related to renewable energy investments in Africa, providing investors with a "one-stop shop" instrument for financing, credit enhancement, and risk mitigation. In addition, this would help governments with a structured tool to support the policy and the regulatory framework for the countries. In the first part of 2019, we will be on roadshow to present it. As a next year's resolution, we want to strengthen our already visible presence in Africa: we are glad to announce that for the first time we will hold our traditional RES4Med&Africa Annual Conference in Africa, as a further demonstration of our willingness to collaborate with local partners. In addition to this, we will also launch the "Renewable Energy Capacity Building Program": five regional trainings that we will hold in five different countries, in collaboration with the African Union. So marvellous things are coming, and we look forward to meeting all of you in the upcoming months.

A handwritten signature in black ink, appearing to read 'Antonio Cammisecra'.

Antonio Cammisecra
President, RES4Med&Africa

2018 MEMBERS

RES4Med&Africa gathers a network of members from across the sustainable energy value chain including industry, agencies, utilities, manufacturers, financing institutions, consultancies, legal and technical services providers, research institutes, and academia.

By December 2018, RES4Med&Africa counts 34 members. This year the association welcomed two new members, Siemens Gamesa and Intesa Sanpaolo.

Supporters Members



Ordinary Members



Associated Partners



Honorary Members







RES4Med&Africa

*Renewable Energy Solutions for
the Mediterranean and Africa*

www.res4med.org - info@res4med.org

www.res4africa.org - info@res4africa.org

Via Ticino, 14 - 00198 Rome Italy

[Linked in](#) [f](#) [t](#) [i](#) [y](#) [f](#)