



EDAMA  
Energy, Water & Environment

# EDAMA ANNUAL REPORT 2019

## Letter From the Chairman

EDAMA association for energy, water and environment has been proudly entrusted by the private sector since 2009. In the past ten years this association was able to fulfill its members necessities from the Jordanian Market. We further ensured reinforcing our position to fuel Jordan's green economy, through bridging the gap between the public and the private sector.



The year 2019 was a significant year for the green sector in Jordan, as it encountered many rapid changes that caused great turbulence in operations. EDAMA was able to further reinforce its presence to service through creating an open dialogue. we were able to provide a platform for key players in the market to discuss the changes in the regulatory governmental framework, through arranging round table meetings with concerned parties, alongside with issuing advocacy papers, addressing the recommendations on the energy strategy, and the suspension of the renewable energy projects.

In addition to that, organizing top level meetings, power breakfasts and events that host international speakers from international companies to share their experience in various fields in the energy, water and environmental sectors.

In the 10th anniversary of the foundation of EDAMA, we wish to extend our gratitude to all of those who contributed to the advancement of the energy, water and environmental sectors utilizing their expertise for a greener tomorrow.

## EDAMA Board of Directors

EDAMA board of directors is comprised of 9 members in total of which represent various backgrounds (Financial institutions, developers, automation, law firms and electricity companies)



**Dr. Dureid Mahasneh**  
Chairman of the Board



**Mr. Samer Judeh**  
Vice Chairman



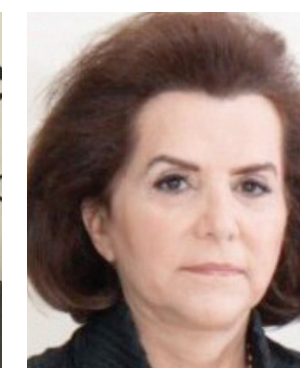
**Mr. Hanna Zaghloul**  
Board Secretary



**Mr. Fadi Marji**  
Treasurer



**Mr. Saed Karajeh**  
Board member



**Mrs. Shermine Al Dajani**  
Board member



**Mr. Tareq Khalifeh**  
Board member



**Mrs. Reem Hamdan**  
Board member



**Dr. Maher Matalka**  
Board member

## Who we are?

EDAMA is a business association that was established in 2009, to service the energy, water and environmental sectors. The name EDAMA was derived from the Arabic word, EDAMA which means sustainably. We are here to cultivate an environment where innovative solutions for energy and water independence and environmental conservation emerge.

Advancing Jordan's movement towards a green economy is an ambitious and priority goal. To be achieved, we need robust knowledge hubs, multi-stakeholder dialogue avenues, and private sector mobilization. EDAMA's niche is in providing a platform agile and inclusive enough to involve a large number of public, private and NGO sector representatives. These key players together discuss and shape the future development of the Energy, water, and Environment (EWE) sectors in Jordan.

## Our Mission

to ensure the establishment and growth of a vibrant energy, water and environment sectors in order to secure positive environmental realities for Jordan.

## Our Vision

To ensure the establishment and growth of vibrant private Energy and Water sectors reflecting positive environmental realities in Jordan.

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## EDAMA Pillars



Advocacy



Communications  
and Networking



Membership



Capacity Building



# EDAMA Achievements 2019

## Membership

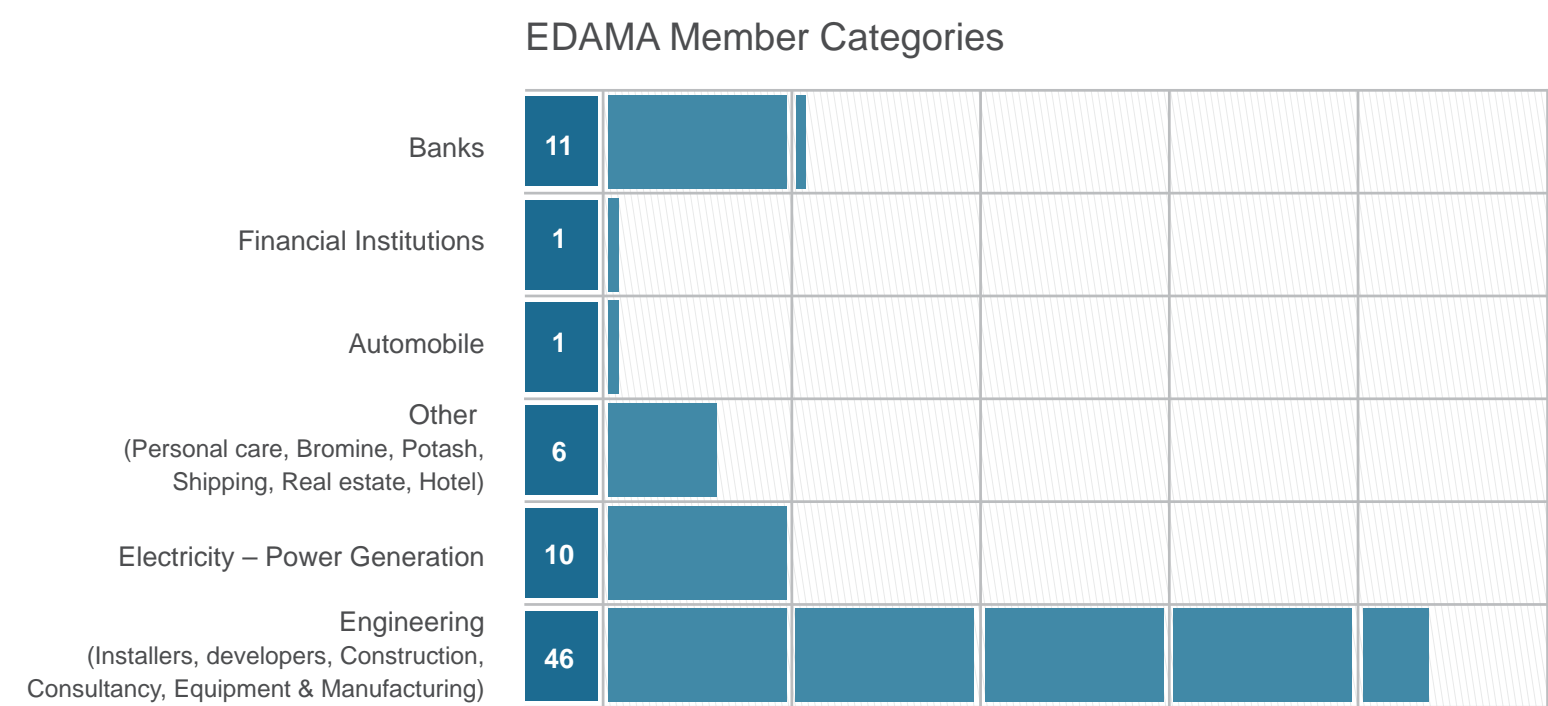
Since 2009 EDAMA membership base has increased in number. In the year 2019 EDAMA had managed to create linkages with 94 corporate members.

There was a noticeable increase in the different categories the association represents. Our database consists of member organizations categorized into; engineering companies (installers, developers, contractors), international financial intuitions, local Banks, local & international law firms, real state, hotels, investments.

Our role is to deliver an accurate representation of the status quo within the legal framework. As a business association EDAMA holds the responsibly of bridging the gap between governmental entities and legislators and our member organizations.

EDAMA members represent various parts of the supply chain. Over the years the diversity has become apparent. This will engage the largest number of sectors to participate in fueling Jordan’s Green Economy.

In the year 2019, EDAMA launched the daily email. The daily email is circulated to all EDAMA members, it delivers green news, latest sector updates, new trends & technologies around the globe, local & international events in the green sector, local & international reports, finally, bid and tenders of interest to the market. This daily email is extracted and prepared by a specialized team.





## Our MEMBERS



# Events

## Power Breakfasts

Water challenges & opportunities

Green Energy safe flyways

Women in Renewable Energy

## Round tables

Institute for Concentration Photovoltaics Systems by the Embassy of Spain

Energy Sector Urgent Meeting

EDAMA: Moving forward

The Waste Management Experience in Egypt

Approval for RE projects suspension

Corporate social responsibly & Employment

Round one developers meeting

Urgent meeting: Prime Ministers Cabinet decision

## Papers

Decentralized Solar in Jordan – Launching event

Energy sector strategy Recommendations

## Media Sponsors

Italian Green Solutions

RES&MED Africa /Business to Government workshop

Public private partnerships within government action plan initiatives

## By Opportunity

MOU with Solar Power Europe

The welcoming of the Iraqi Delegation

Jo Build Exhibition

Avenues of Using Battery Systems in Emergency Relied and RE integration

Executive Lunch; foreign direct investments in maximizing Jordan's indigenous energy resources

General Assembly & Elections



## Round Tables

### Urgent Meeting: Energy sector strategy members meeting

In response to the changes that occurred in the renewable energy market, EDAMA held an urgent meeting hosting EDAMA members. The aim was to plan an informed response to the changes. The meeting concluded into producing a feedback paper. The paper was communicated with decision makers in the sector. It was inclusive a review and comments by entities that were impacted by the renewable energy approval suspension decision.



### Urgent Meeting: the Prime Minsters Cabinet decision

EDAMA Association board members called for an urgent meeting to discuss the decision issued by the Prime Minister's Cabinet; regarding the suspension of granting approvals for Renewable Energy Projects. The meeting was attended by representatives from Amman Chamber of Commerce, in addition to, experts in the field to discuss the dimensions of this decision and the suggested next steps.



### Suspending Approvals for Renewable Energy Projects

EDAMA association is keen to bridge the gap between the public and the private sector. In the beginning of 2019, the Ministry of Energy and Mineral Resources issued a decision that stipulates a suspension of all approvals on renewable energy projects until further notice. In the light of this decision, the roundtable hosted H.E. The Minister of Energy & Mineral Resources Eng. Hala Zawaiti as well as, EDAMA members and stakeholders.

The chairman of the board Dr. Dureid Mahasneh also, stated that there is no actual suspension of RE projects, and the importance engaging the private sector in the preparation and creation of TOR for technical studies, in addition to, setting a new strategy.

H.E. confirmed that the decision that was made, in regard to the suspension of approvals for all RE projects is only temporary, and that the minister is biased to the RE projects being the only local energy source.



## EDAMA moving forward

This round table aimed at extending cooperation with our members. The event was a brainstorming session. As to exchange thoughts and ideas, in addition to, sustaining an open dialogue among our members to feed into a mature green sector.



## Institute for Concentration Photovoltaics Systems by the Embassy of Spain

the institute was introduced to EDAMA through the Embassy of Spain, to hold an introductory session to EDAMA members. The meeting focused on possible points of collaboration, and future possibilities of triggering business opportunities in the Jordanian market.

The round table hosted the; Institute for Concentration Photovoltaics Systems (ISFOC) from Spain. This institute is a center focused on the Research, Development and Innovation of PV technologies and Energy Efficiency. It was founded aiming at the collaboration between universities, companies and third parties for the technology development focused on PV power plants, solar resource assessment, technological evaluation of energy systems, technical trainings, Engineering and design of power plants and systems, Software development for control and monitoring, Labs and equipment testing, Development of technology, Measuring and data acquisition, IoT.



## The Waste Management Experience in Egypt

H.E. Dr. Laila Iskandar, from Egypt, shared Egypt's Waste management Experience. Dr. Laila expressed the need to look closer into Solid Waste Management. Owning equipment to ease the process is crucial yet, it is very important to shed the light on the process itself which will create a foundation for an actual operating system, as well as a framework. The session was a valuable exchange of experiences, success stories and lessons learned.





## Corporate social responsibly

On 12 March 2019, Tuesday. EDAMA held a round table discussion, hosting H.E. Eng. Hala Zawati and highlighted significant points regarding CSR & Employment. Dr. Dureid Mahasneh chairman of EDAMA board; highlighted the importance of implementing CSR projects on behalf of the private sector, which will aid in protecting investors, and allows for an expansion of RE projects. Finally, create a healthy investment environment.

H.E. Hala Zawati stressed that there is a high level of importance that the role of NGO's play in this equation. In addition, the public-private sector relationship, as the public sector is currently inflated, the private sector must adopt an active role in recruitment.

The meeting hosted Round One developers for RE projects as they commit to allocating funds for CSR aiming specifically at employment opportunities.

It is worth mentioning, that MEMR launched a unit under JREEF that specializes in CSR, which will be adopting employment as the main goal acting as a catalyst to accelerate the process.

## Welcoming the Iraqi Delegation

EDAMA Association held a lunch in cooperation with MEMR in honor of the arrival of the Iraqi Delegation, from the Iraqi Ministry of Electricity. The meeting was meant to seek collaboration points between EDAMA members, who are represented in key players in the RE sector of Jordan, in the light of, the recently open doors to apply for renewable energy projects and bids in Jordan.



## Round one developer meeting

EDAMA board members met with round one developers on February 25th, 2019, to discuss the updates on CSR projects in addition to the challenges that are currently faced by the developers.





## Power Breakfast

### Water challenges and opportunities

In collaboration with the Jordanian Ministry of water and irrigation, EDAMA held a power breakfast to highlight the importance of reviewing possible emergency solution scenarios for the water scarcity issues in Jordan.

The discussion hosted H.E. Engineer Raed Abu Al-Soud the Minister of Water and irrigation where he shared with the audience the action that the ministry will be taking in the upcoming years to ensure that every Jordanian citizen will have a sufficient amount of water to satisfy their needs. Furthermore, stressing the importance of contribution through social responsibility in reserving our water.



### Green energy & safe flyways

EDAMA collaborated with the Royal Society for the conservation of Nature (RSCN) to hold a power breakfast addressing safe bird flyways. As the Jordanian market has been expanding to hold effective wind farms, natural resources must be carefully monitored specifically Birdlife.

Jordan is a home for many different bird species as well as being the pathway for many others which are immigrating. Therefore, ensuring that our green energy generation does not negatively affect birds.





## Power Breakfast

### Women in renewable energy launching (WIRE)

as part of EDAMA culture, we invest in supporting women in the renewable energy market. This power breakfast was meant to launch the women in renewable energy initiative in Jordan. we collaborated with the embassy of Canada to take part of this success and plan for the next phase of this association in Jordan.



### Recommendations for the energy sector strategy

responding to the recent changes in the green energy sector in Jordan and continuing the integral role we played in responding to other changes such as the suspension of renewable energy projects approvals EDAMA issued a recommendation paper that addresses the new energy sector strategy. This paper was in collaboration with FES Mena and Jordan. the power breakfast highlighted the most important sections in the paper and hosted a friendly debate with H.E. Hala Zawati the Minister of Energy & Mineral resources.





## EDAMA Events

### General Assembly

in April 2019, EDAMA association held its annual general assembly event at our office. The general assembly for the year 2019, included the elections. The event inaugurated a speech by the chairman of the board Dr. Dureid Mahasneh, then a brief presentation about EDAMA achievements for the year 2018.

the general assembly was attended by 80 of EDAMA voting members. Nine members out of 15 of those who ran for the elections were voted to become part of the board of directors.

(elected and number of votes)





## Decentralized Solar in Jordan Streamlining administrative procedures to maximize Socio-Economic Benefits

this is an important topic that needed much attention in the Jordanian market. The impact of paying attention to this issue will contribute to enhancing Jordan's green sector. EDAMA issued a paper in collaboration with FES Jordan, that addresses the decentralized Solar





## Mou singing with solar power Europe

EDAMA signed an MOU in the year 2019 with Solar power Europe in the light of the collaboration that took place to issue a paper that tackled a very important issue and that being **“Decentralized solar in Jordan Streamlining administrative procedures to maximize socio economic benefits”**. EDAMA and solar power Europe signed this MOU in hopes of working similar future collaborations.



## Jo Build

EDAMA chairman of the board took part of the opening ceremony in Jobuild. Moreover, EDAMA staff welcoming people in the exhibition to explain more about EDAMA role in the green sector and receive sorted waste.

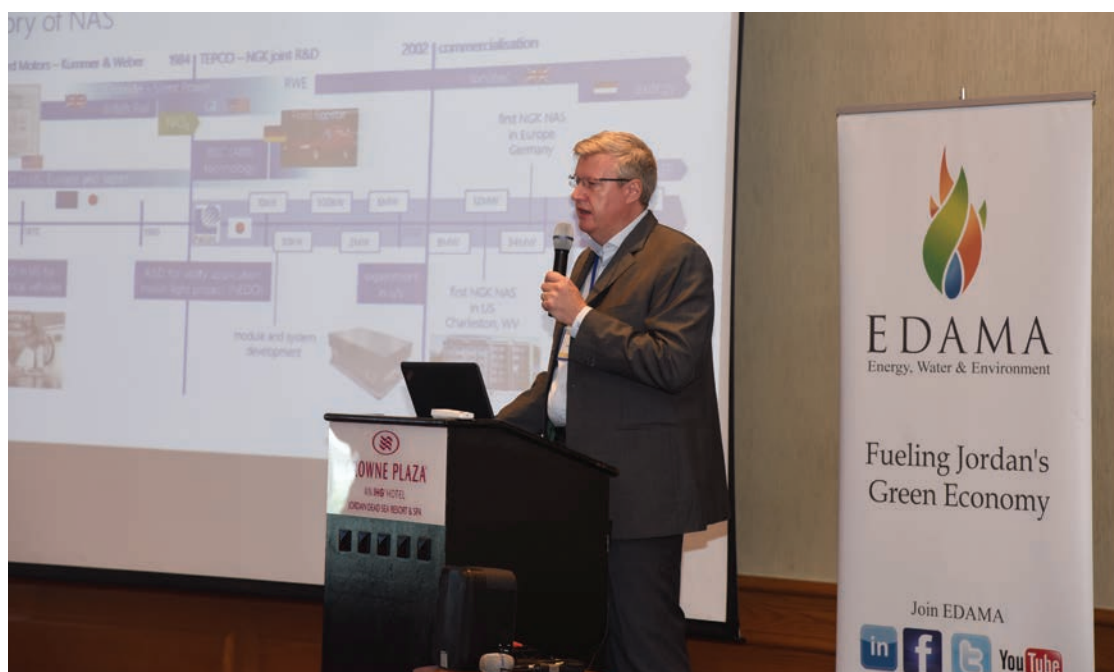




## EDAMA sponsoring

### Avenues of Using Battery Systems – in Emergency Relief and RE integration

A three-day workshop that hosted international experienced trainers in the storage areas. Event was a collaboration between Al Mustakbal Clean tech and EDAMA. The panel hosted international experts on storage.



### RES4MED

RES4Med&Africa is organized a high-level in terms of job creation and local content by Business-to-Government (B2G) workshop in looking at the regulatory framework and policies. collaboration with EDAMA. The meeting focused This will be done by putting together the most on the long-term energy strategies and the grid experienced and international companies within solutions for integrating the renewable energy RES4Med&Africa network and the most relevant systems, attracting investments and exploiting the Jordan stakeholders. socio-economic benefits of renewables in Jordan.

the program aimed to stimulate the long-term The workshop will be also the occasion to present energy strategies, investigating the opportunities «Scaling-Up Renewable Energy Development of the electrification of final consumptions as in Jordan», a position paper carried out by well as plans to improve the grid infrastructure RES4Med&Africa in collaboration with EDAMA to secure flexibility and a smooth integration and Pöyry, focused on the current status of of the RES. Moreover, it will be the occasion to renewable energy sector, the experienced barriers analyze the socio-economic benefits of the RES and mechanisms to scale-up the deployment of





## RENpower

the RENpower Jordan for the year 2019, EDAMA was a media sponsors for this event which involved audience represented in key governmental personalities, International Finance Institutions, policy makers, international and local developers, EPC contractors, independent power producers, technology providers and engineering, manufacturers, legal and advisory services, banking and private equity entities.

It was an intensive two-day divided into 4 different sessions covering timely topics on the further scaling up of renewable energy in Jordan and Lebanon by 2020-2025. Business partnerships, exchange of know-how, investing in and financing of the sector will be the central focus of this informative and B2B oriented event.





## International insight

### Dr. Laila Iskandar from Egypt, discussing the Waste Management Experience

From the international market, we were glad to have hosted H.E. Dr. Laila Iskandar, from Egypt to tell us more about the Egyptian experience in waste management. The round table highlighted in specific the importance of the contribution of the unofficial parties in solid waste management.

Dr. Iskandar, highlighted the process through explaining more about how solid waste is collected, then transported to the informal sector for settlement, then, categorized into organics, recyclables, and residual. the Egyptian experience was indeed inspiring;



### Italian Green Solutions

The Italian Trade Agency of Jordan, held the Italian Green Solutions. The event hosted many of EDAMA members, key players from different backgrounds in the sector who participated in the green. The event played an integral role in introducing Italian companies and others from around the world to the Jordanian market. As well as introducing the Jordanian companies to the Italian ones.

Also, international speakers held workshops and presentations introducing the newest technologies in the green sector around the world



## Czech Solar Energy Mission

Embassy of the Czech Republic in Amman prepared a project to promote economic diplomacy. This event was in collaboration with EDAMA to further ensure the presence of international companies to fuel Jordan's green economy

## Public private partnerships within government action plan initiatives

EDAMA Association Board of directors participated in the "Public-Private Partnership within Government Action Plan Initiatives", organized by the Jordan Strategy Forum. The event was held on 9 FEB 2019, Saturday, under the patronage of H.E. Dr. Omar Al-Razzaz.

It was attended by key players in both the public and private sectors, represented in ministries, chambers and commissions, Associations, and Donors, it also inaugurated the launching of initiatives and projects that were given the priority by the Prime Ministry of Jordan.

## EDAMA sponsoring

### Capacity Building and Training Courses

EDAMA customizes trainings according to its member's specific needs and market demands and receive early notifications on internationally certified courses.

Introduction to Financing Renewable Energy projects in Jordan

This 3-day training program was held in August aiming to increase the capacity of Housing Bank's employees in developing financial models in the renewable energy sector. The course covers essential topics including funding mechanics, operational analysis, loan management, risks and risk mitigation.

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## **EDAMA Trainings**

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## **EDAMA staff Trainings**

### **Climate and Energy Policies Advocacy of Youth in the Arab World**

Through a joint effort between the Climate and Energy regional project at the Friedrich-Ebert-Stiftung (FES) and Germanwatch gathered, EDAMA staff participated in a training program that targeted youth in the Arab region where they were able to learn about energy issues and develop a common policy paper on their visions for their region's energy future. FES brought those young participants with experts from the energy sector in Jordan in an interactive panel to share the vision of youth and the plans of policymakers on the socially just "Energiewende" or energy transition.

### **Data Journalism**

EDAMA staff participated in a highly prestigious 200-hour data journalism certification program offered by "Internews". Data for Change aims to equip a cadre of Jordanian professionals with data skills to produce quality research on issues of public interest. The program is the first of its kind in the region, in terms of depth and breadth in covering data skills.

### **Metadata for the SDG Indicators**

EDAMA staff participated in a training workshop on Compiling Metadata for Sustainable Development Goals: The course introduced the SDGs and the metadata that should be disseminated along with the SDG indicators. The aim for participating in this training is to reflect the values learned on the Energy Sector.

- Sales Tax Exemption which decreased the membership fees.
- Semi Annual Review and adjusting some unclosed things from previous years
- Preparing requirements for audit 2019.
- Daily transactions



## EDAMA staff Trainings

Internships at EDAMA are offered to under graduates and fresh graduates. The internship offers a comprehensive scheme of capacity building to acquire the skills and the knowledge to approach the market in the energy, water and environmental sectors.

we seek passionate and international interns and volunteers. For the year 2019, we are honoring our interns by acknowledge their efforts in this report;

Name	University	Specialty
Samuel Painter	Fordham University at Lincoln Center	Arts in International and Humanitarian Studies
Cindy Wang	Duke University	Public Policy Studies
Farris Hamdan	Princess Sumaya University for Technology	Electrical Power & energy Engineering
Bandaly Al- Essa	German Jordanian University	Electrical Power Engineering
Yahya Abu Khaleel	German Jordanian University	Renewable and Power Energy Engineering



## Advocacy

Advocacy is a major pillar in EDAMA. It is one of EDAMA main points of strength, as it works on bridging the gap between the public and private sectors, furthermore, responding to changes that take place in the policy and regulatory framework in Jordan. EDAMA ensures voicing out our members concerns, in addition to, encouraging positive practices to assist the green market in its advancement.

for the year 2019, EDAMA invested its efforts to provide an enabling environment for the private sector to become competitive and innovative, through focusing on the crucial updates that happened in the energy market and affects stakeholders pointedly.

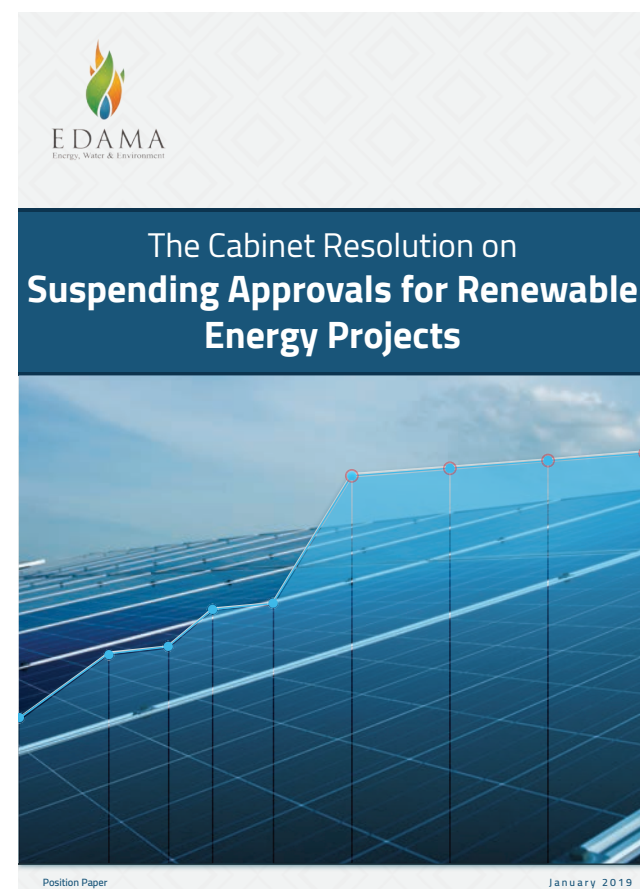
EDAMA Headed toward more data-driven advocacy, which relies on grassroots efforts to disseminate information outward to decision makers and public through every possible channel. Thorough data collection can reveal many useful things, including untapped potential resources and opportunities.

## Papers and publications

### Position papers:

#### The Cabinet Resolution on Suspending Approvals for Renewable Energy Projects

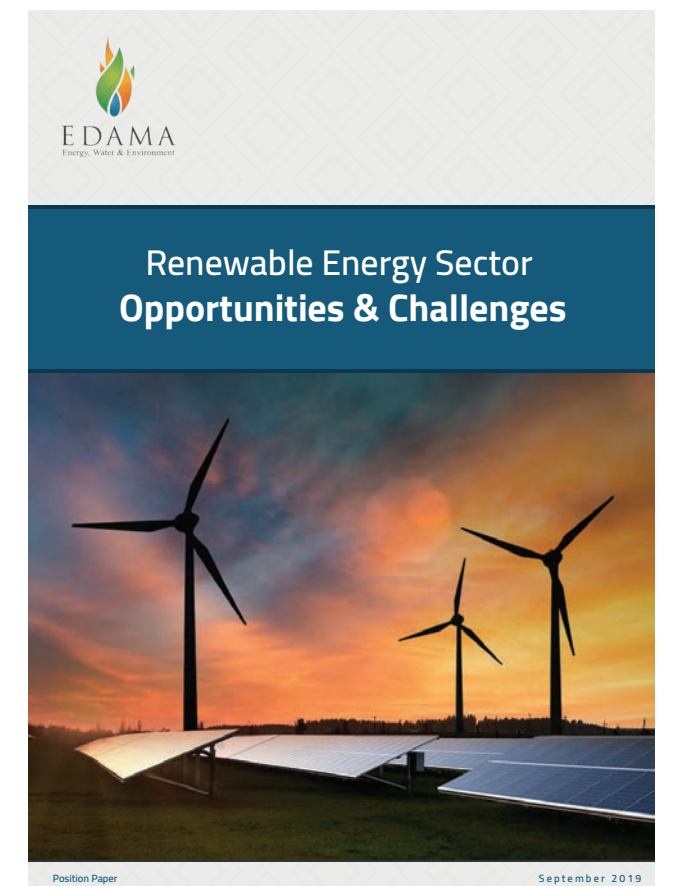
A Cabinet Resolution dated 9th of January 2019, has been issued on suspending granting approvals for renewable energy projects exceeding 1 Megawatt (MW), EDAMA views such a sudden decision as repercussions on renewable energy sector accomplishments, which will Fundamentally affect sector growth and investments



#### Renewable Energy Sector challenges and opportunities

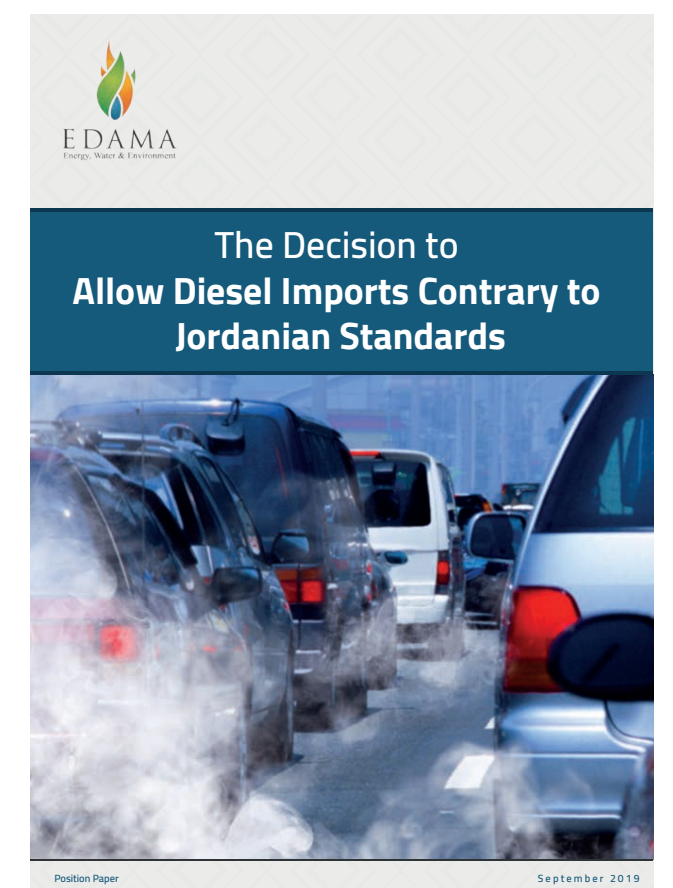
There has been an extensive talk about solutions and suggestions to solve the problem facing the energy sector in general. The solutions, however, only address the renewable energy sector, focusing exclusively, highlighting the importance of assigning a fee—to be paid by the owners of the renewable energy projects—in exchange for using the grid, specifically when it comes to surplus energy produced and saved to be used at a later time by the same owner.

In this paper EDAMA corrected the misconceptions and highlighted the importance of renewable energy as a strategic decision rather than provisional.



#### The Cabinet Resolution on Allowing incompliant Diesel imports

A Cabinet Resolution dated 2nd September 2019, has been issued that allows fuel distribution companies to import diesel fuel that doesn't comply with the Jordanian standards, the decision was justified with the argument that the local product already is not compliant with the standards and permitting imports comes to establish "just competition" between suppliers. EDAMA stated that this decision opposes all the policies aiming to rely on clean energy that reduces GHG emissions and will have a heavy price that people we will pay with their health and safety.



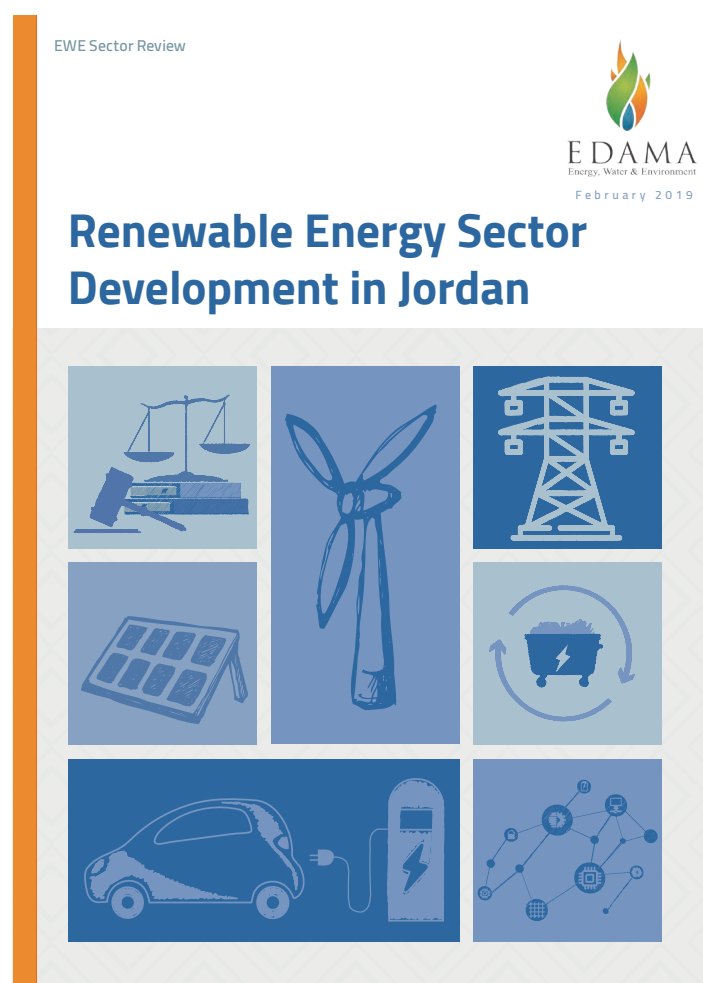


## Renewable energy sector research:

The renewable energy (RE) sector represents an extraordinary Jordanian experience, indicative by the level of national institutions and private sector capabilities that kept up-to-date with emerging technological advancements and global trends, when supported by strong political will and fostering cooperation within clear and flexible legislations.

In a series of two publications, EDAMA summarized the progress, achievements and milestones of Jordanian renewable energy sector:

### Renewable Energy Sector Development in Jordan.

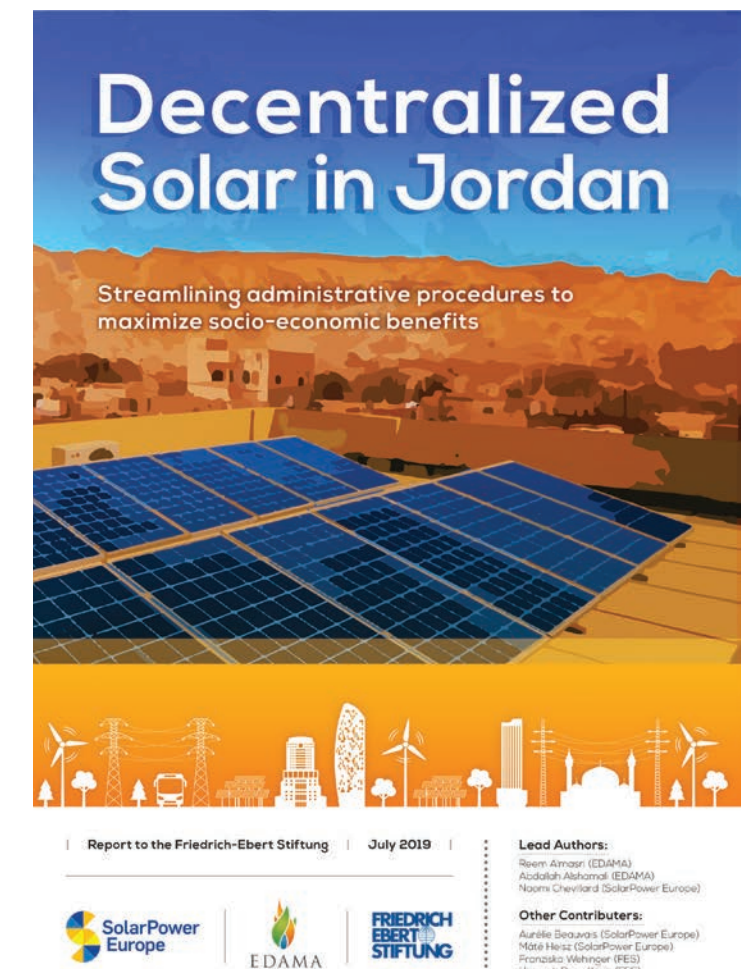


### Renewable energy tenders and direct proposals: policies and implementation.



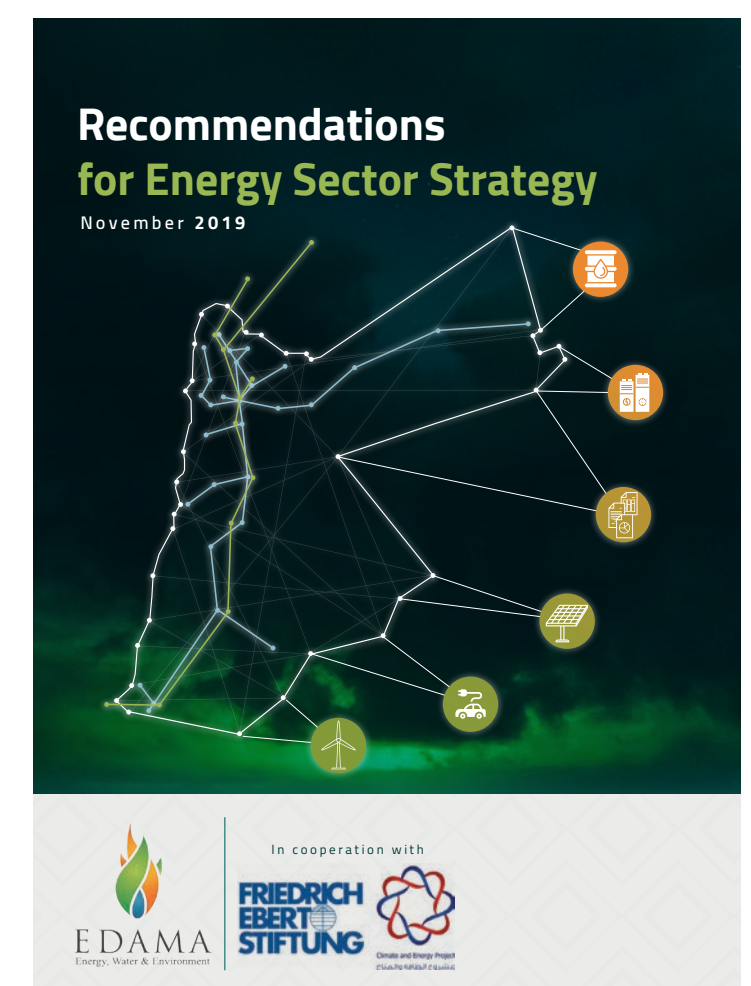
## Decentralized Solar in Jordan: streamlining administrative procedures to maximize socio-economic benefits

With an expected solar market growth of nearly 2 GW in the next 5 years, the Jordanian energy transition is in full swing. Yet the share of Decentralised solar systems remains small due to administrative, technical and financial challenges; in this study EDAMA in collaboration with Solar power Europe highlighted the untapped potential of decentralized systems, and how the Jordanian market can move forward by improving the administrative procedures.



## Recommendations for energy sector strategy

In an attempt to express different opinions and convey the voices of all those concerned in the energy sector, a paper presents general reflections and recommendations on the Energy Sector Strategy 2020 - 2030 was issued aiming at presenting different perspectives from diversified backgrounds, with different experiences and perceptions, This paper was delivered while the strategy is being updated, void of real guarantees of reaping benefits from the accumulated experiences of all stakeholders.





## **High level meetings**

Meeting with the general manager of NEPCO regarding the derating of renewable energy projects caused by grid frequency fluctuations, where possible technical solutions to avoid this issue were discussed

## **EDAMA HR & Accounting**

We ensure high standard by seeking a comprehensive outlook on the sector, furthermore, our internal process. It is key to confirm that the organization of our internal processes and procedures are in place, that is why we implemented a new accounting system, to ensure the sustainably, flexibility and the ease of access in the case of renewing EDAMA memberships.

Additionally, in hopes of achieving transparency within the sectors we operate in, we are implementing a semi-annual external audit at EDAMA.

As for HR, we believe that our greatest asset is our employees, and therefore we ensure investing in their skills and knowledge not to mention, having a healthy working environment.