

Under the patronage of
His Highness Sheikh Mohamed bin Zayed Al Nahyan
Crown Prince of Abu Dhabi and Deputy Supreme
Commander of the United Arab Emirates
Armed Forces



Driving the Global Energy Transformation

JANUARY 13TH - 20TH, 2018

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WWW.ABUDHABISUSTAINABILITYWEEK.COM



#ADSW2018



10th ZAYED FUTURE ENERGY PRIZE

**CELEBRATING 10 YEARS
OF GLOBAL IMPACT**

**CELEBRATING 100 YEARS
OF ZAYED'S LEGACY**

The Zayed Future Energy Prize was established in 2008 by the United Arab Emirates leadership to honour the legacy of the nation's founding father Sheikh Zayed bin Sultan Al Nahyan, who championed environmental, social and economic sustainability.

This international prize invites innovators from around the world to be part of a growing community, committed to finding solutions that will meet the challenges of climate change, energy access and water security.

In celebration of its 10th anniversary, the Prize aims to increase the magnitude of its impact in the next decade. Collectively, its winners have positively impacted the lives of 307 million people around the world.

The 2018 winners of the Zayed Future Energy Prize will be announced on 15 January during Abu Dhabi Sustainability Week.

www.ZayedFutureEnergyPrize.com



ZAYEDFEP



ZFEP



TZFEP



ZFEP

What is Abu Dhabi Sustainability Week?



Abu Dhabi Sustainability Week (ADSW) is dedicated to furthering our understanding of the major social, economic and environmental trends shaping the world's sustainable development now and in the future, and to empowering the global community to realise viable and effective strategies to mitigate climate change. Our event empowers political leaders, businesses, environmental experts and citizens around the world to plan and implement the global energy transformation.

Since our first event in 2008, we've become the biggest conference on sustainability in the Middle East, a catalyst for environmental change and an inspiring forum for debate and innovative ideas.





Why does the energy conversation start in Abu Dhabi?

Abu Dhabi can point to nearly eight decades of energy leadership.

Today, it is one of the world's largest producers of crude oil and natural gas, which are the source of its prosperity and global standing as a trade and investment hub.

Yet the emirate is also internationally regarded for its commitment to sustainability. It was the first oil producer in the Middle East to address carbon emissions from natural gas flaring and the region's earliest adopter of renewable energy.

The United Arab Emirates was one of the first countries in the Arab world to set a renewable energy target, and the first to ratify the Paris Agreement.

Sustainability challenges are global – demanding collaboration among stakeholders and nations.

This paved the way for the emergence of Abu Dhabi Sustainability Week – a global knowledge platform helping countries and communities devise solutions to mitigate climate change, and a thriving marketplace for renewable energy and clean technologies in a country that is a byword for international trade.

Our mission is harnessing global knowledge to help nations and communities address sustainability challenges effectively, affordably and collaboratively

Abu Dhabi Sustainability Week at a Glance

Policy

The International Renewable Energy Agency (IRENA), an inter-governmental organisation headquartered in Abu Dhabi, will have its General Assembly on 13-14 January, at the St Regis hotel.

Leadership

The US\$4 million Zayed Future Energy Prize (ZFEP), managed by Masdar in Abu Dhabi, will recognise and reward the best sustainability innovators of our time, in categories including schools, large companies and not-for-profit organisations.

Since it began in 2008, ZFEP has become one of the most prestigious awards for innovation in sustainability.

Diversity

Diversity matters in sustainability. Getting a broad section of society involved will widen the pool of talent, innovation and skills. That's why we created WiSER (Women in Sustainability, Environment and Renewable Energy) conference (16 January). It mentors, empowers and inspires women to be catalysts of innovation and industry leaders – expanding secure access to energy, water and food.

Business

With solar power and wind power prices continuing to tumble, renewable energy is now cheaper than fossil fuels in some countries.

The market for renewable energy is growing fast, due to technological advances, a surge in investment in global financial markets, government efforts to

mitigate climate change and an increase in consumer demand.

One of the biggest challenges and opportunities for governments and business will be making the transition from fossil fuel to renewable energy.

Increasing energy efficiency is an important part of the transition.

Buildings can be some of the biggest consumers of energy.

Up to 80% of energy in Middle East countries is consumed by buildings alone. Energy use can be cut by 80% for some buildings with sustainable building materials and technology such as sensors and software for improving building design.

The energy revolution will create huge opportunities for businesses, particularly in the UAE and Gulf states, thanks to their hot climate and early investments in green energy.

Our World Future Energy Summit will help countries navigate the transition to renewable energy.

Water is central to sustainable development. It's crucial not just for human survival but also for agriculture (which accounts for about 70% of total freshwater withdrawals globally) and energy, such as wave power and hydro-electricity.

Yet many people in the world, about four in ten, do not have access to clean water, according to the United Nations.

Water scarcity is expected to worsen in the next 30 years, due to a rising world population and rapid urbanisation.

The International Water Summit, the leading event for promoting water sustainability in arid regions, will examine subjects ranging from how to make

ADSW 2018 will focus on three themes:

*Climate change and resource scarcity,
sustainable cities, and how and technological
disruption could help the planet.*

water desalination use less energy and the role of “smart” software in monitoring water provision, to re-use more water and how “Big Data” technology can help manage water.

Mobility

The Organisation for Economic Co-operation and Development has estimated that investment of around USD 95 trillion is needed between 2016 to 2030 to meet pressures on global infrastructure, without considering climate concerns.

About 40% of investment will need to be spent on transport, the OECD also says. Our Sustainable Transport Exhibition will discuss these financial and organisational transport challenges, as well as how electric cars and other types of green transport can keep people moving while cutting pollution.

Raising public awareness

Government and business can't manage the transformation to sustainability alone. Citizens also need to embrace sustainability.

The Festival (19th - 20th January) in Masdar City aims to inspire UAE residents to adopt more sustainable practices through fun activities, live music and entertainment, eco-shops, food stalls and educational workshops for children. All in the sustainable surroundings of Masdar City.



What's on the Agenda at Abu Dhabi Sustainability Week?

Climate change, sustainable cities, technology disruptors, "easternisation", and mobility are global "mega trends" that will shape the future of sustainability and our success at mitigating climate change. Here's a brief overview of each theme and how ADSW 2018 will address them.

Climate Change

Governments need the support of the private sector if they are to keep to the commitments under the Paris Agreement.

Falling prices for renewable energy, rapidly changing technology and rising consumer demand for sustainable products and services are creating new opportunities and challenges for business.

Sustainable Cities

Rapid global population growth is putting great strain on our cities' infrastructure, and services including water and waste management, energy, education, health and public transport.

The percentage of people living in urban areas is expected to rise from about 50% today to 70% by 2050.

By 2025, there are expected to be 27 mega cities (cities of more than 10 million people). Of these, 21 will be in developing countries.

How can cities expand without further harm to the environment and our quality of life?

Easternisation

Power and money are shifting to the east. China and India now lead the world in energy investment.

China's trillion-dollar "One Belt One Road" infrastructure investment plan to rebuild ports, roads and rail networks across Asia, Europe and Africa may accelerate the use of clean energy as well as boosting overall economic growth.

Meanwhile, India has plans to achieve at least 100 GW of renewable energy capacity by 2020, and 175 GW by 2022.

Both countries are developing strategic business partnerships in regions such as the Middle East, including the UAE, a pioneer in renewable energy.

Mobility

Mobility is getting faster, cheaper and safer. The way we travel in towns and cities around the world is changing.

Electric vehicles are probably the most important mobility technology for the future. They are expected to see rapid growth from around two million vehicles today, to as much as 160 million by 2030.

Improving the reliability and performance of electric vehicles, other new mobility technologies and integrating them will not be easy. Transport policies will need redrafting and government investment strategies must be rethought.



Technology Disruption

At ADSW 2018, technology experts, business leaders and scientists will discuss how technology can accelerate the global energy transformation.

- 3D printing will encourage the use of more environmentally-friendly materials
- Drones can help maintain wind turbine blades and photovoltaic panels in solar farms
- Electric vehicles, hydrogen fuel-cells, sharing and autonomous vehicles all have the potential to change the way we travel
- Artificial intelligence could increase energy efficiency, support the transition to renewable energy and better predict extreme weather and climate change



ADSW 2018

Highlighted Speakers

The world's most successful leaders have ADSW on their agenda



H.E. Suhail Al Mazroui
Cabinet Member and
Minister of Energy and
Industry,
United Arab Emirates



**H.E. Dr. Thani bin
Ahmed Al Zeyoudi**
Cabinet Member
and Minister of
Climate Change and
Environment, United
Arab Emirates



**H.E. Dr. Ahmad Belhoul
Al Falasi**
Cabinet Member, and
Minister of State for
Higher Education and
Advanced Skills



Aziz Rabbah
Minister of Energy,
Mines and Sustainable
Development, Kingdom
of Morocco



H.E. Miroslav Lajcak
72nd President of the
United Nations General
Assembly, Minister of
Foreign Affairs and
European Affairs,
Slovak Republic



H.E. Adnan Z. Amin
Director- General,
International
Renewable Energy
Agency (IRENA)



Turki Al Shehri
Head of Renewable
Energy Project
Development, Ministry
of Energy, Industry and
Mineral Resources,
Kingdom of Saudi
Arabia



Cedrik Neike
Member, Managing
Board, Siemens AG



Dr. Wandee Khunchornyakong Juljarern
Chairperson & CEO,
SPCG Public Company
Limited (SPCG)



Manoj Kohli
Executive Chairman,
SoftBank Energy,
SoftBank Group



Song Dongsheng
President, PowerChina
Intl and Chairman of
Sinohydro, The People's
Republic of China



Dr. Linda Yueh
Economist, Broadcaster,
and Author



Gérard Mestrallet
Chairman of the Board
of Directors of Engie;
Chairman of Suez



Afshin Molavi
Expert on global
eo-political risk and
geo-economics



Anja-Isabel Dotzenrath
Chief Executive Officer
of E.ON Climate &
Renewables (EC&R)



Dr. Manar Al Moneef
CEO, Renewable
Energy Middle East
North Africa and Turkey
(MENAT) General
Electric (GE)

Abu Dhabi Sustainability Week Events



International Renewable Energy Agency (IRENA)

The International Renewable Energy Agency (IRENA) is an intergovernmental organisation mandated by 153 national governments and the European Union to promote the more widespread use of all forms of renewable energy, including bioenergy, geothermal energy, hydro power, tidal, solar, and wind energy.

Assembly

The Assembly is IRENA's ultimate decision making authority. Made up of all of the Agency's Members, the Assembly gathers once every year in Abu Dhabi to discuss and decide upon issues relating to its work. Attracting heads of state, ministers and high-level delegates from Member states and observer organisations from around the world, the IRENA Assembly has grown to become the foremost event for international cooperation on renewable energy.



The Opening Ceremony

The Abu Dhabi Sustainability Week Opening Ceremony initiates four days of debate, discussion and co-operation.

Attended by over 3,500 delegates including Heads of State, Ministers, Business Leaders and Government Officials, the 2018 Opening Ceremony will focus on the role that youth will place in the development and progress of our future nations.

For more information visit:

www.abudhabisustainabilityweek.com



The Zayed Future Energy Prize Awards Ceremony

The Zayed Future Energy Prize honours the vision of Sheikh Zayed bin Sultan Al Nahyan, the founding father of the UAE, who championed environmental stewardship and sustainability as integral parts of the nation's heritage. The annual awards recognise pioneers of renewable energy and sustainability in five categories: Large Corporation, Small and Medium Enterprise, Non-Profit Organisation, Lifetime Achievement and Global High Schools. Entries are evaluated according to four criteria: impact, innovation, leadership and long-term vision. The Zayed Future Energy Prize, celebrating its 10th anniversary in 2018, recognises the achievements of and provides a unique collaborative platform for businesses, organisations, individuals and high schools that are realising the future of sustainable energy through their actions.

For more information visit:

www.zayedfutureenergyprize.com





World Future Energy Summit

The annual World Future Energy Summit (WFES) is the foremost global platform dedicated to advancing renewable energy and clean technology. The 11th edition of WFES will take place from 15th - 18th January 2018. It will host CLIX, a newly launched and unique global marketplace connecting entrepreneurs with investors and the WFES annual conference, bringing together international government and business experts to discuss critical global and regional sustainability issues.

For more information visit:

www.worldfutureenergysummit.com



International Water Summit

The International Water Summit is a leading exhibition dedicated to developing solutions to regional and international water sustainability issues. Through an exclusive matchmaking platform, suppliers are introduced to investors and new business opportunities are created.

Hosted in partnership with ADWEA (Abu Dhabi Water and Energy Authority), the sixth edition of the Summit takes place from 15th - 18th January 2018, bringing together international government and business experts to discuss critical global and regional water concerns.

For more information visit:

www.internationalwatersummit.com



Climate Innovation Exchange (CLIX)

The "Climate Innovation Exchange" is a unique global marketplace that is part of the World Future Energy Summit, connecting youth, entrepreneurs, innovators and investors to enable partnerships that will realise climate change solutions.

For more information visit:

www.abudhabisustainabilityweek.com



برنامج الأبحاث لتعزيز
الأمطار
UAE Research Program for
Rain Enhancement Science

The UAE Research Program for Rain Enhancement Science Awards Ceremony

The UAE Program for Rain Enhancement Science is an international research initiative designed to advance the science and technology of rain enhancement by offering managed grant assistance to selected research projects.

Date: 17th January, 2018

Time: 10:30

Location: Dialogue Hall, ADNEC

For more information visit:

www.uaerep.ae



Energy Storage and Batteries Expo

Energy Storage and Batteries Expo is a key marketplace for public and private stakeholders to discover the latest energy storage technology. The event is the Middle East and North Africa's first dedicated energy storage exhibition and has been developed in response to the growing global demand for innovative solutions to energy storage challenges.

Located in Abu Dhabi, the inaugural Energy Storage and Batteries Expo will take place within WFES from 15th - 18th January 2018 at Abu Dhabi National Exhibition Centre.

For more information, visit:

www.solarexpo.ae/energy-storage-expo



EcoWASTE Exhibition

The 2018 EcoWASTE Exhibition, staged in partnership with Tadweer, is the leading exhibition in the Middle East and North Africa dedicated to advancing sustainable waste management and recycling. On January 15th - 18th, the fifth edition of the exhibition will also host the Waste Management Solutions Forum, which brings together key stakeholders in regional and international waste management.

For more information visit:

www.ecowaste.ae



Smart Water

The Smart Water Expo will make its debut at the 2018 International Water Summit, connecting government leaders, policy makers, product specifiers and solution providers with technologies and services addressing applied to municipal, industrial and commercial water needs.

For more information visit:

www.internationalwatersummit.com/smart-water-expo



Solar Expo

With solar power playing an increasingly important role in the global energy mix, Solar Expo is an essential global marketplace for solar stakeholders and is mandated to facilitate the development of renewable energy projects. Located in Abu Dhabi, Solar Expo will take place within WFES from 15th - 18th January 2018 at Abu Dhabi National Exhibition Centre.

For more information, visit:

www.solarexpo.ae



The WiSER Initiative Conference

Women in Sustainability, Environment and Renewable Energy is a bold, action-oriented initiative that endeavours to mentor, empower and inspire women to be catalysts of innovation, industry leaders and drivers of commercial solutions.

Date: 16th January, 2018

Time: 17:30 – 19:00

Location: Dialogue Hall, ADNEC

For more information visit:

www.masdar.ae/wiser



The Student EXCLUSIVE

The Student Exclusive

The Student Exclusive features an exciting programme of presentations, breakout sessions, performances and creative activities to inspire the involvement of youth in advancing renewable energy, and to raise awareness of sustainability issues.

2018 will mark the third edition of the Student Exclusive at ADSW which will be held during 'CLIX', from January 16th – 18th.

For more information visit:

www.abudhabisustainabilityweek.com



The Festival at Masdar City

The Festival at Masdar City is a family-themed event at the end of ADSW which aims to raise awareness of sustainability through food, games and fun activities in a carnival atmosphere at Masdar City.

Date: 19th and 20th January, 2018

Time: 10:00 - 19:00

Location: Masdar City, Abu Dhabi

For more information visit:

www.abudhabisustainabilityweek.com

The Zayed Future Energy Prize: A Decade of Global Impact

The Zayed Future Energy Prize is the UAE's global awards for renewable energy and sustainability pioneers.

More than 307 million people have been positively influenced by the sustainable actions of the 66 Zayed Future Energy Prize winners since 2009.

In 2018, the Zayed Future Energy Prize and its winners celebrate 10 years of making a tangible difference in the lives of people across the world. These are some of the ways in which renewable energy and sustainability practices have shaped lives.

- 157.4 million people supplied with 1.275 billion MWh of clean electricity from renewable energy sources
- 27.5 million people reached with modern energy utilities across Africa and Asia
- 17 million children of school age can study at night under solar lanterns
- 7.1 million people can access clean and affordable drinking water
- 1.1 billion tonnes of carbon emissions avoided
- 8.5 million people have been upskilled through training and advocacy
- 100 million people use energy more efficiently



Abu Dhabi Sustainability Week in Numbers

*numbers based on ADSW 2017

639 Exhibiting
Companies from
30 countries

1,500 conference
delegates

30,000 + People
attended ADSW from
over **175** different
countries.

3,500 people
attended the ADSW
Opening Ceremony

ABU DHABI SUSTAINABILITY WEEK

1 Public event

14 International
Pavillions

15 Global events



Shaping the future of sustainable energy: Abu Dhabi Sustainability Week in numbers

Abu Dhabi Sustainability Week has become one of the biggest and most influential events of its kind.

Each year, hundreds of journalists from around the world and tens of thousands of world leaders, companies and environmental activists and experts gather at ADSW.

Benefits of attending ADSW:

- Get informed on the latest sustainability topics with talks from some of the world's most respected experts on climate change, renewable energy and technological disruption
- Invest in yourself: ADSW has an extensive range of in-depth panels, breakout sessions and expert talks
- Network with tens of thousands of delegates in business, politics and the not-for-profit sector
- Help create the future of renewable energy and a global response to climate change

ADSW Past Speakers and Influencers



**His Royal Highness
King Willem-
Alexander**
King of the Netherlands



**Her Majesty Queen
Rania Al Abdullah**
Hashemite Kingdom of
Jordan



**His Royal Highness
Charles**
Prince of Wales



**Her Royal Highness
Crown Princess
Victoria**
of Sweden



**His Excellency Abdel
Fattah El-Sisi**
President, Arab
Republic of Egypt



**His Excellency
Nursultan Abishevich
Nazarbayev**
President, Republic of
Kazakhstan



**Her Excellency
Cristina Fernandez de
Kirchner**
Former President,
Argentine Republic



**His Excellency
Ban Ki-moon**
Former Secretary-
General, United
Nations



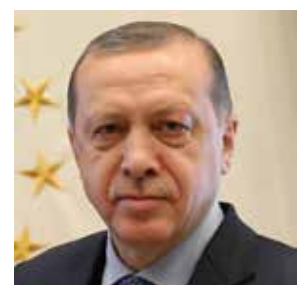
**His Excellency
Francois Hollande**
Former President,
French Republic



**His Excellency Olafur
Ragnar Grimmson**
Former President
of Iceland



**His Excellency Enrique
Pena Nieto**
President, Republic of
Mexico














**His Excellency Recep
Tayyip Erdogan**
President, Republic of
Turkey

TIME	January 15 TH		January 16 TH			January 17 TH	
8:30 - 10:00			World Future Energy Summit	MASDAR CEO Hosted Breakfast Meeting		World Future Energy Summit	International Water Summit
			BREAKFAST BRIEFINGS			BREAKFAST BRIEFINGS	BREAKFAST BRIEFINGS
			Dialogue Hall	TBC		Dialogue Hall	Dialogue Hall
10:00 - 13:00	Abu Dhabi Sustainability Week OPENING CEREMONY 10 TH Zayed Future Energy Prize AWARDS CEREMONY		PLENARY SESSION Sustainable Cities & Urbanisation	TOUR Ministry of Youth and Ministry of Climate Change and Environment * 12:00pm	KSA MEDIA BRIEFING * 12:30 - 14:00	UAE Rain Enhancement AWARDS CEREMONY * 10:35 - 11:25	PLENARY SESSION Technology Disruption & Digitisation
	ICC Hall			CLIX	TBC		
	HIGH LEVEL LUNCH ** Invitation Only * 12:30 - 14:00	HEAD OF STATE TOUR * 12:30					
	ICC HALL / Majlis	ADNEC		Dialogue Hall		Dialogue Hall	
	13:00 – 14:30	ZFEP WINNERS Media Round Table *13:30 - 14:30	PLACE HOLDER Press Briefings with Chinese Delegation * 14:00 - 15:00	DELEGATES LUNCH		PLACEHOLD-ER Masdar Signing Ceremony * 14:00 -14:15	DELEGATES LUNCH
TBC		TBC	TBC				
14:30 - 17:30	MINISTERIAL PANEL * 14:30 - 16:00		World Future Energy Summit TECHNICAL CONF.	The 100 Mentors Programme * 14:30 - 15:00		World Future Energy Summit TECHNICAL CONF.	International Water Summit TECHNICAL CONF.
	Dialogue Hall			ICC HALL / Majlis			
	MINISTERIAL PANEL * 16:00 - 17:30			The Youth Circle * 15:00 - 17:00			
	Dialogue Hall			ICC HALL / Majlis			
17:30 - 19:00			Women in Sustainability, Environment and Renewable Energy (WiSER) FORUM			RECEPTION ** Invitation Only	
			Dialogue Hall			ADNEC	
19:00 - 21:00	HIGH LEVEL RECEPTION ** Invitation Only		EXHIBITORS & DELEGATES/SPEAKERS RECEPTION				
	Louvre Abu Dhabi						
		Rotana Hotel					

TIME	January 17 TH (CONT.)		January 18 TH				
8:30 - 10:00	Waste Management Solutions FORUM * 9:30 - 15:45	MASDAR Desalination Programme * 9:00		World Future Energy Summit: Mobility Conference FORUM * 9:00 - 16:00			
		TBC					
10:00 - 13:00		ADSW BNEF 'Technology for Smart City Transport' REPORT LAUNCH * 12:30 - 14:30	World Future Energy Summit: Energy Efficiency in Buildings FORUM		International Water Summit TECHNICAL CONF.	Electric Vehicle Road Trip Middle East LAUNCH * 10:30 - 12:00	LUNCH BRIEFING with media * 12:30 - 14:00
	Capital Suites	TBC	Dialogue Hall	Dialogue Hall	Dialogue Hall	Central Plaza ADNEC	TBC
13:00 - 14:30	DELEGATES LUNCH	PLACE HOLDER India Delegation Media Briefing *14:00 - 14:30	DELEGATES LUNCH				PLACE HOLDER Masdar Signing Ceremony * 14:00 - 14:15
		TBC					TBC
14:30 - 17:30	Waste Management Solutions FORUM		World Future Energy Summit: Energy Efficiency in Buildings FORUM	World Future Energy Summit: Mobility Conference FORUM	International Water Summit TECHNICAL CONF.		
	Capital Suites		Dialogue Hall	Dialogue Hall	Dialogue Hall		

LEGEND

 CEREMONIES AND AWARDS	 LAUNCH
 MASDAR RELATED EVENTS	 TOURS
 MINISTERIAL / HIGH LEVEL	 PLENARY SESSIONS
 WORLD FUTURE ENERGY SUMMIT	 RECEPTION
 INTERNATIONAL WATER SUMMIT	 WiSER
 WASTE MANAGEMENT SOLUTIONS FORUM	



Endorsed by:

UNITED ARAB EMIRATES
MINISTRY OF CLIMATE CHANGE
& ENVIRONMENT



الإمارات العربية المتحدة
وزارة التغير المناخي
والبيئة

UNITED ARAB EMIRATES
MINISTRY OF ENERGY & INDUSTRY



الإمارات العربية المتحدة
وزارة الطاقة والصناعة

UNITED ARAB EMIRATES
MINISTER OF STATE FOR YOUTH



الإمارات العربية المتحدة
وزارة الدولة لشؤون الشباب



Government Partners:



Industry Partners:



Hosted By:



Signature Events:



UAE Research Program for
Rain Enhancement Science



WOMEN IN SUSTAINABILITY,
ENVIRONMENT AND RENEWABLE
ENERGY FORUM

Awareness Events:





ABU DHABI
SUSTAINABILITY WEEK

For more information about Abu Dhabi Sustainability week, visit:

www.abudhabisustainabilityweek.com

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